

# Grondwaterstanden in relatie tot stij- gende mijnwater- standen

stand van zaken 2024



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## Grondwaterstanden in relatie tot stijgende mijnwaterstanden

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|                     |                                                                              |
|---------------------|------------------------------------------------------------------------------|
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# Samenvatting

In het kader van het onderzoek “Na-ijlende effecten van de voormalige steenkoolwinning in Zuid-Limburg” zijn grondwater- en mijnwaterstanden (stijghoogten) tot medio 2024 geanalyseerd. Dit is een vervolg op de analyse uit 2022 van stijghoogtegegevens uit de periode 2009-2022 in het Zuid-Limburgse mijngebied (Buma e.a., 2023). Ook zijn gegevens van meer meetlocaties gebruikt, zowel in Nederland alsook in aangrenzende delen van België en Duitsland. Met mijnwaterstanden worden de standen aangeduid die gemeten zijn in het Carboon. De grondwaterstanden zijn gemeten in het daarboven gelegen dekterrein.

De mijnwaterstanden stijgen doordat het hydrologisch evenwicht in de ondergrond zich nog aan het herstellen is sinds het droogpompen van de mijnen werd gestaakt. De stijging van de mijnwaterstanden zelf is geen direct risico. De stijging kan wel indirect tot risico's leiden (Buma e.a., 2023). Die risico's worden in andere rapportages belicht (bijvoorbeeld Heitfeld e.a., 2016 en nog te produceren rapportages).

De voorliggende analyse heeft geleid tot de volgende bevindingen:

1. De stijging van de mijnwaterstanden in Zuid-Limburg sinds 2020 was 1.3 tot 4.4 meter per jaar.
2. De verwachte afname van de stijging van het mijnwater is nog niet te zien. De stijging zette de afgelopen jaren vrijwel lineair door. In enkele oostelijke meetpunten is in 2024 zelfs een toename van de stijging ten opzichte van de jaren ervoor te zien door de natte omstandigheden. Uit het verloop van de stijging is zodoende nog geen nieuwe informatie af te leiden over het bereiken van een stabiele eindsituatie.
3. In het westen veroorzaken de stijgende mijnwaterstanden ook een stijging van de grondwaterstanden in de onderste delen van het dekterrein.
4. De grondwaterstanden in de bovenste delen van het dekterrein vertonen geen invloed van de stijging van de mijnwaterstanden. Dit betekent dat geen stijging te zien is van de freatische grondwaterspiegel ten gevolge van de stijgende mijnwaterstanden.
5. Bij de meetpunten in het Carboon met nabijgelegen meetpunten in het dekterrein is de mijnwaterstand lager dan de grondwaterstand in het dekterrein, behalve bij MWM04 (B60D3254), waar het waterstandsverschil juist op een stroming van water uit het Carboon naar het dekterrein duidt. Deze bevinding is ook al gerapporteerd in Buma e.a. (2023).
6. In het dekterrein komt opwaartse grondwaterstroming voor in de richting van de Maas en de beken die gevoed worden door toestromend grondwater.
7. Ten westen van de Maas is de bodemstijging in België van een zelfde grootte als aan de oostkant in Nederland. In België stijgt de mijnwaterstand dus ook nog, maar de gegevens ontbreken om te beoordelen in hoeverre die stijging afwijkt van de stijging in de Nederlandse concessie Maurits met meetpunt MWM01B (B60C4119).
8. Meerdere van de mijnwatermeetreeksen vertonen af en toe onregelmatigheden, waarvan het de vraag is of ze werkelijke standen weergeven. Hierdoor en vanwege te geringe lengte zijn veel van de verzamelde meetreeksen van grondwaterstanden niet gebruikt voor dit onderzoek.

Dit geeft aanleiding tot de volgende aanbevelingen:

1. Over twee jaar opnieuw stijghoogtegegevens evalueren (jaarlijks zoals eerder door Buma e.a., 2023 werd aanbevolen is niet nodig).

2. De kwaliteitsborging van de mijn- en grondwaterstandsmetingen verbeteren, zodat de correcties die nu uitgevoerd zijn bij een volgende analyse niet opnieuw uitgevoerd behoeven worden.
3. Controleren of de inzichten uit deze analyse consistent zijn met resultaten van het grondwatermodel van het Limburgse mijngebied dat wordt gemaakt in opdracht van de provincie Limburg.
4. De situatie bij MWM04 (B60D3254) nader onderzoeken.
5. De stijging van het Belgisch mijnwater nader analyseren om het inzicht te vergroten in de stroming in het Carboon en het dekterrein onder de Maas door, die randvoorwaarden vormen voor de veranderingen van de mijn- en grondwaterstanden in het Nederlandse mijngebied.
6. De bevindingen uit dit onderzoek, de grondwatermodellering in opdracht van de provincie Limburg samen met de overige onderzoeken (waterkwaliteit, datering, temperaturen) combineren om de inzichten in het hele watersysteem te vergroten en de daarmee samenhangende risico's van het stijgend mijnwater beter te kunnen inschatten.

# Inhoudsopgave

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# Verklarende woordenlijst

| Term                         | Omschrijving                                                                                                                                                                                                                                                                                                                                                       |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| aquifer                      | Synoniem van <i>watervoerend pakket</i> .                                                                                                                                                                                                                                                                                                                          |
| aquitard                     | Synoniem van <i>scheidende laag</i> .                                                                                                                                                                                                                                                                                                                              |
| BRO                          | Basisregistratie Ondergrond (zie ook <a href="https://www.basisregistratieondergrond.nl">https://www.basisregistratieondergrond.nl</a> ).                                                                                                                                                                                                                          |
| Carboon                      | Het deel van de ondergrond waarin de steenkoollagen aanwezig zijn die zijn gemijnd in Zuid-Limburg; tevens de naam van het geologische tijdperk (359 tot 299 miljoen jaar geleden) waarin het betreffende materiaal is afgezet (zie ook <a href="https://www.dinoloket.nl/stratigrafische-nomenclator">https://www.dinoloket.nl/stratigrafische-nomenclator</a> ). |
| complexe eenheid             | Hydrogeologische eenheid in REGIS II die zowel zorgt voor verticale stijghoogteverschillen (zoals een kleiige eenheid) en laterale stroming (zoals een zandige eenheid). Bij deze eenheden is sprake van een afwisseling van zandige, kleiige of venige afzettingen die individueel niet op regionale schaal karteerbaar zijn.                                     |
| dekkerrein                   | Het deel van de ondergrond boven het Carboon (tussen maaiveld en de bovenkant van het Carboon).                                                                                                                                                                                                                                                                    |
| DGM                          | Het digitale geologische model van Nederland, onderdeel van de BRO (beschikbaar op <a href="https://www.DINOloket.nl">https://www.DINOloket.nl</a> ).                                                                                                                                                                                                              |
| doorlatendheid               | Eigenschap van ondergrondmateriaal die het gemak weergeeft waarmee water door (de poriën van) het materiaal kan stromen. Hoe groter de doorlatendheid des te groter is de stroming ten gevolge van een <i>gradiënt</i> .                                                                                                                                           |
| freatische grondwaterspiegel | Bovenkant van het met grondwater verzadigde deel van de ondergrond, het niveau waar de druk in het grondwater gelijk is aan de atmosferische druk. Dit is te meten als het waterniveau in een open boorgat.                                                                                                                                                        |
| geologische eenheid          | Deel van de ondergrond dat onderscheiden wordt op basis van geologische kenmerken als ouderdom, samenstelling en ontstaanswijze van een afzetting (bijvoorbeeld in DGM).                                                                                                                                                                                           |
| gradiënt                     | Hier gebruikt als synoniem voor stijghoogtegradiënt: het verschil in stijghoogte (grondwater- of mijnwaterstand) tussen twee punten gedeeld door hun onderlinge afstand (bepaalt samen met de doorlatendheid de stroming tussen de punten).                                                                                                                        |
| grondwater                   | Water in het dekkerrein, speciaal het deel beneden de freatische grondwaterspiegel waar de holtes in het ondergrondmateriaal geheel verzadigd zijn met water.                                                                                                                                                                                                      |
| grondwatermodel              | Combinatie van een simulatieprogramma met een ondergrondschematisatie, parameters en hydrologische randvoorwaarden waarmee de stroming van grondwater en stijghoogten berekend worden volgens fysische wetmatigheden.                                                                                                                                              |
| grondwaterspiegel            | Zie <i>freatische grondwaterspiegel</i> .                                                                                                                                                                                                                                                                                                                          |
| grondwaterstand              | De hoogte van het water in een peilbuis ten opzichte van NAP. De grondwaterstand is een meting van de stijghoogte ter plaatse van het peilbuisfilter.<br>Zie ook <a href="https://www.grondwaterstandeninbeeld.nl">https://www.grondwaterstandeninbeeld.nl</a> .                                                                                                   |

| Term                     | Omschrijving                                                                                                                                                                                                                                                                                          |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| grondwatersysteem        | Samenhangend deel van de ondergrond met grondwaterstroming van de grondwateraanvulling vanuit neerslag en infiltrerend oppervlaktewater onderweg naar het uittreden naar oppervlaktewater, drainage en grondwateronttrekkingen (of berging in het mijngebouw).                                        |
| hydrogeologische eenheid | Onderdeel van een geologische eenheid met relatief uniforme eigenschappen en een karakteristiek in het grondwatersysteem die afhangt van de soort eenheid (in <i>REGIS II</i> onder meer: <i>zandige eenheid</i> , <i>kleiige eenheid</i> , <i>complexe eenheid</i> , <i>kalksteeneenheid</i> ).      |
| IBRAHYM                  | Grondwatermodel van het Waterschap Limburg, de Provincie Limburg en de WML dat de provincie omvat met het omringende gebied dat het grondwater in de provincie beïnvloedt.                                                                                                                            |
| kalksteeneenheid         | Hydrogeologische eenheid in <i>REGIS II</i> overwegend bestaande uit kalksteen.                                                                                                                                                                                                                       |
| kleiige eenheid          | Hydrogeologische eenheid in <i>REGIS II</i> die functioneert als regionale scheidende laag en overwegend uit klei bestaat.                                                                                                                                                                            |
| maaiveld                 | Het landoppervlak.                                                                                                                                                                                                                                                                                    |
| mijngebouw               | Het geheel van ondergrondse ruimtes en doorlatende zones in het Carboon die ontstaan zijn bij de voormalige steenkoolwinning.                                                                                                                                                                         |
| mijnwater                | Water in het mijngebouw.                                                                                                                                                                                                                                                                              |
| mijnwaterstand           | Meting van de stijghoogte van het mijnwater, gemeten als het waterniveau in een peilbuis met filter in het mijngebouw.                                                                                                                                                                                |
| mijnwatersysteem         | Patroon van de stroming van het mijnwater in het mijngebouw met toestroming (van grondwater), berging (samenhangend met toename van de mijnwaterstanden) en (uiteindelijk) potentiële uitstroming.                                                                                                    |
| NAP                      | Normaal Amsterdams Peil, Nederlandse referentiehoogte voor hoogtemetingen (verticale coördinaten). De NAP-hoogte vormt samen met de RD-coördinaten eenduidige coördinaten voor plaatsbepaling en het combineren van geo-informatie in Europees Nederland.                                             |
| peilbuis                 | Buis in een monitoringsput voor het meten van grondwaterstanden en/of het nemen van monsters voor het bepalen van grondwaterkwaliteit. De buis heeft nabij de onderkant perforaties waardoor het water in de buis contact maakt met het grondwater buiten de buis.                                    |
| RD-coördinaten           | Coördinaten in het stelsel van de Nederlandse Rijksdriehoeksmeting voor vastleggen van de horizontale positie (EPSG:28992, Amersfoort / RD New). Vormt samen met NAP-hoogte eenduidige coördinaten voor plaatsbepaling en het combineren van geo-informatie in Europees Nederland.                    |
| REGIS II                 | Het hydrogeologische model van Nederland, onderdeel van de BRO (beschikbaar op <a href="https://www.DINOloket.nl">https://www.DINOloket.nl</a> ).                                                                                                                                                     |
| RMSE                     | Wortel uit het gemiddelde van de kwadratische verschillen, hier de verschillen tussen de gemeten grondwaterstanden en de met een tijdreeksmodel gesimuleerde waarden.                                                                                                                                 |
| scheidende laag          | Laag in de ondergrond met een relatief lage doorlatendheid waardoor verticale stijghoogteverschillen op kunnen treden tussen de watervoerende pakketten die door de laag van elkaar gescheiden worden. De horizontale stroming is verwaarloosbaar ten opzichte van die in de watervoerende pakketten. |
| stijghoogte              | Maat voor de drijvende kracht voor grondwaterstroming op een bepaalde locatie en niveau in de ondergrond. De stijghoogte is                                                                                                                                                                           |

| Term                | Omschrijving                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                     | samengesteld uit de drukhoogte (de druk vertaald naar de hoogte van een waterkolom) en de plaatshoogte (het niveau ten opzichte van NAP). Metingen van de stijghoogte noemen we grondwaterstand (of mijnwaterstand). In het algemeen leiden ruimtelijke verschillen in stijghoogte leiden tot grondwaterstroming van hogere stijghoogte naar lagere.                                                                                           |
| stijghoogtegradiënt | Zie <i>gradiënt</i> .                                                                                                                                                                                                                                                                                                                                                                                                                          |
| tijdreeksmodel      | In dit rapport een model dat tijdreeksen van neerslag, verdamping en eventueel mijnwaterstand transformeert naar een tijdreeks van grondwaterstanden. De parameters van het tijdreeksmodel worden gekalibreerd met gemeten grondwaterstanden. Deze aanpak is meer data-gedreven en minder fysisch onderbouwd dan een grondwatermodel (zie ook <a href="https://www.grondwaterstandeninbeeld.nl">https://www.grondwaterstandeninbeeld.nl</a> ). |
| waarnemingsput      | Put met een of meer <i>peilbuizen</i> .                                                                                                                                                                                                                                                                                                                                                                                                        |
| watervoerend pakket | Laag in de ondergrond met een relatief hoge doorlatendheid waardoor horizontale grondwaterstroming op kan treden en de grondwaterstand over de hoogte van het pakket praktisch constant is.                                                                                                                                                                                                                                                    |
| zandige eenheid     | Hydrogeologische eenheid in <i>REGIS II</i> die functioneert als (onderdeel van) een regionaal watervoerend pakket en bestaat uit overwegend zand of grind.                                                                                                                                                                                                                                                                                    |



# 1 Inleiding

De voormalige steenkoolwinning in Zuid-Limburg heeft nog steeds effecten, die risico voor de bevolking en omgeving kunnen opleveren. De effecten en daarmee samenhangende risico's zijn geïnventariseerd door Heitfeld e.a. (2016). Een deel van de 'na-ijlende effecten van de voormalige steenkoolwinning' hangt samen met de stijgende mijnwaterstanden (zie ook SodM, 2021).

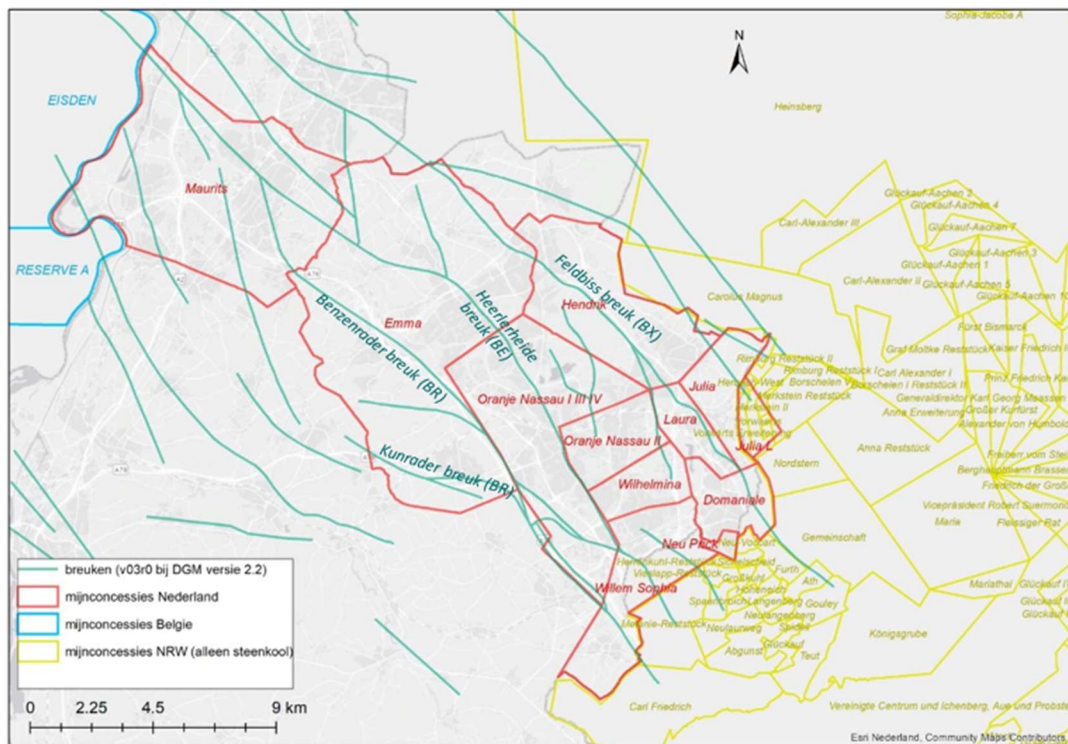
In 2022 is een analyse uitgevoerd van de waterstandsgegevens van 2009 tot 2022 in het Zuid-Limburgse mijngebied (Buma e.a., 2023). Hierbij zijn zowel mijnwaterstanden in Carboon als grondwaterstanden in het daarboven gelegen dekterrein gebruikt.

In het najaar van 2024 is een nieuwe analyse uitgevoerd. Deze analyse beperkt zich tot de grondwaterstanden en mijnwaterstanden en gaat niet in op de mogelijke effecten ervan. De resultaten van de analyse worden beschreven in deze rapportage die is opgesteld in het kader van een nader onderzoek naar de na-ijlende effecten van de voormalige steenkoolwinning. Daarvoor heeft het Ministerie van Economische Zaken en Klimaat (EZK), nu het Ministerie van Klimaat en Groene Groei (KGG) opdracht verleend aan TNO Geologische Dienst Nederland (TNO-GDN). Mogelijke afgeleiden effecten en risico's worden separaat gerapporteerd als actualisatie van Heitfeld e.a. (2016).

Figuur 1 geeft een overzicht van het voormalige mijngebied met de Nederlandse, Belgische en Duitse mijnconcessies en breuken (zie Buma e.a., 2023 voor details). Hierbij zijn een aantal voor het grondwater belangrijke breuken met naam aangegeven en de geologische eenheid waarin de bovenkant van de breuk zicht bevindt.

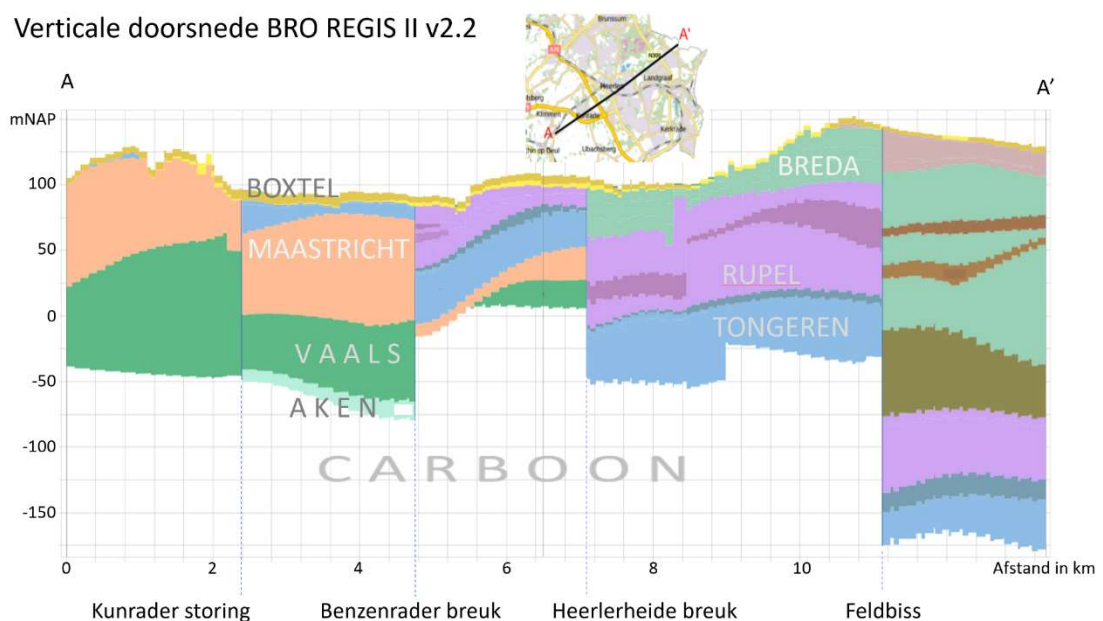
Deze belangrijke breuken zijn ook in de doorsnede in Figuur 2 weergegeven, met de zandige (beter doorlatende) en kleiige (minder doorlatende) eenheden in het dekterrein (zie Buma e.a., 2023, voor details). De doorsnede in Figuur 2 loopt van zuidwest naar noordoost. Binnen de breukblokken hellen de geologische eenheden en liggen ze naar het noordwesten toe steeds dieper.

Voor een meer gedetailleerde beschrijving van de (hydro)geologie wordt verwezen naar Heitfeld e.a. (2016), en voor een beschrijving van de in Figuur 2 weergegeven eenheden naar de Stratigrafische Nomenclator en het hydrogeologische model REGIS II v2.2 op <https://www.DINOloket.nl>.



Figuur 1. Overzichtskartaal met mijnconcessies en breuken volgens het breukenmodel versie v03r0 behorende bij DGM versie 2.2 met bij de belangrijkste breuken de naam en bovenste geologische eenheid waar de breuk nog aanwezig is (BX = Formatie van Boxtel, BE = Formatie van Beegden en BR = Formatie van Breda) bron: Buma e.a. (2023).

## Verticale doorsnede BRO REGIS II v2.2



Figuur 2. Hydrogeologisch profiel door het voormalige mijngedebiet van Zuidoost Limburg volgens de Basisregistratie Ondergrond REGIS II v2.2 met de namen van de belangrijkste geologische eenheden (bron: Buma e.a., 2023).

De doelen van deze nieuwe analyse zijn het vergroten van inzicht en met name het bepalen van de recente ontwikkeling (sinds 2022) van:

- De stijging van de mijnwaterstanden;
- De stijging van de grondwaterstanden in het dekterrein als gevolg van de stijgende mijnwaterstanden;
- De verticale stromingsrichting van het grondwater, vooral onder in het dekterrein.

Omdat de mijnwaterstand ten westen van de Maas niet gemeten wordt, is ook het doel gesteld om:

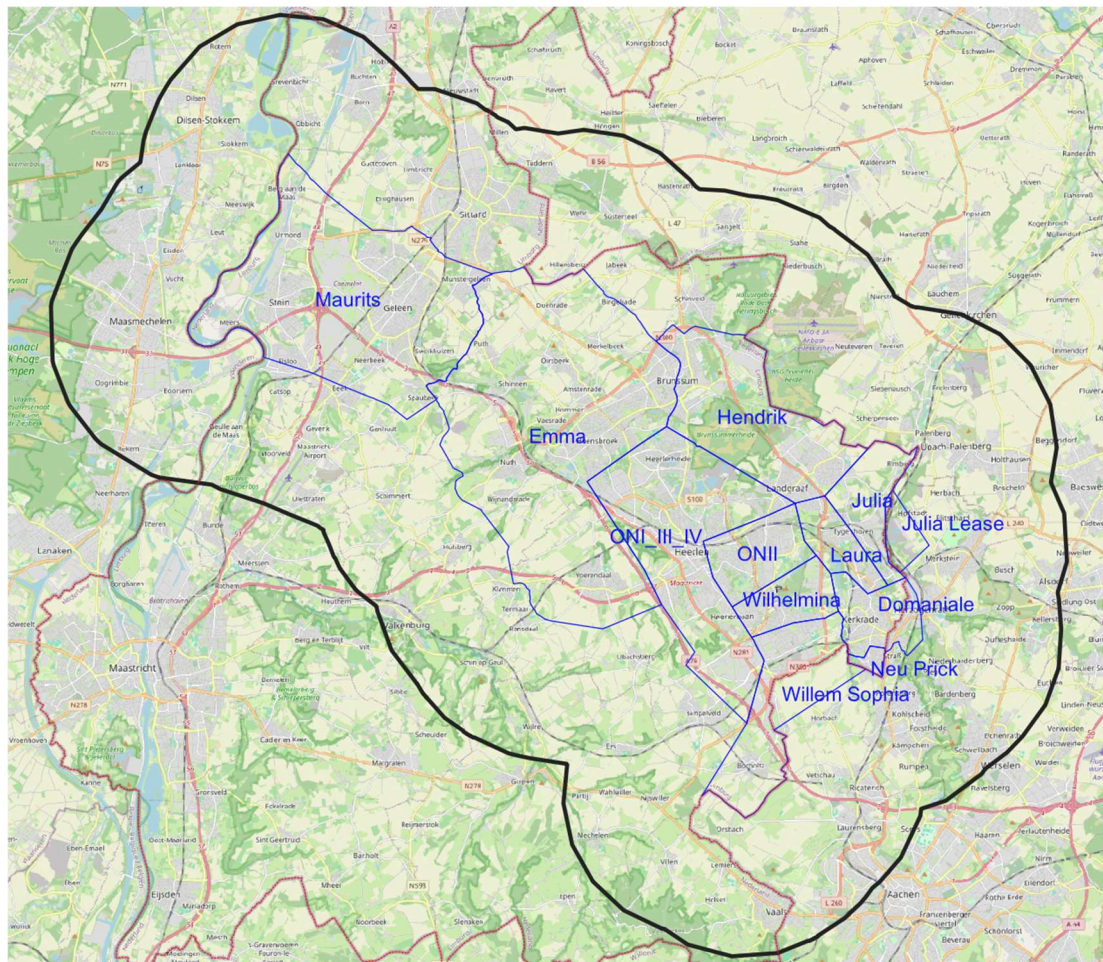
- Inzicht te geven in stijging van de mijnwaterstanden ten westen van de Maas.

Deze rapportage beperkt zich tot de genoemde doelen en gaat niet in op de risico's die de stijging van de mijnwaterstanden en de daarmee samenhangende stijging van de grondwaterstanden zouden kunnen hebben.



## 2 Aanpak

Voor de dataselectie is uitgegaan van de Nederlandse concessies en een gebied van 5 km daar omheen (Figuur 3).



Figuur 3. Onderzoeksgebied.

Binnen dit zoekgebied zijn meetreeksen verzameld uit de volgende bronnen:

1. Provincie Limburg (inclusief gegevens van Mijwater B.V.).
2. Data uit de DINO-database en de Basisregistratie Ondergrond via DINoloket.nl.
3. Database voor de Ondergrond van Vlaanderen DOV.
4. De OpenHygrisC database van Noordrijn-Westfalen.

De bronnen zijn in deze volgorde gebruikt om dubbelingen in meetpunten te voorkomen. Per meetpunt is de meetreeks aangehouden zoals die aanwezig is bij de eerste bron waar dat meetpunt in voorkomt.

Binnen Nederland zijn alle beschikbare reeksen binnen het onderzoeksgebied (Figuur 3) gebruikt. Dit zijn er meer dan de meetpunten uit het mijnwatermeetnet dat door de provincie Limburg wordt onderhouden. De beperking tot het mijnwatermeetnet zou een

mindere ruimtelijke dekking opgeleverd hebben terwijl de inspanning praktisch even groot zou zijn.

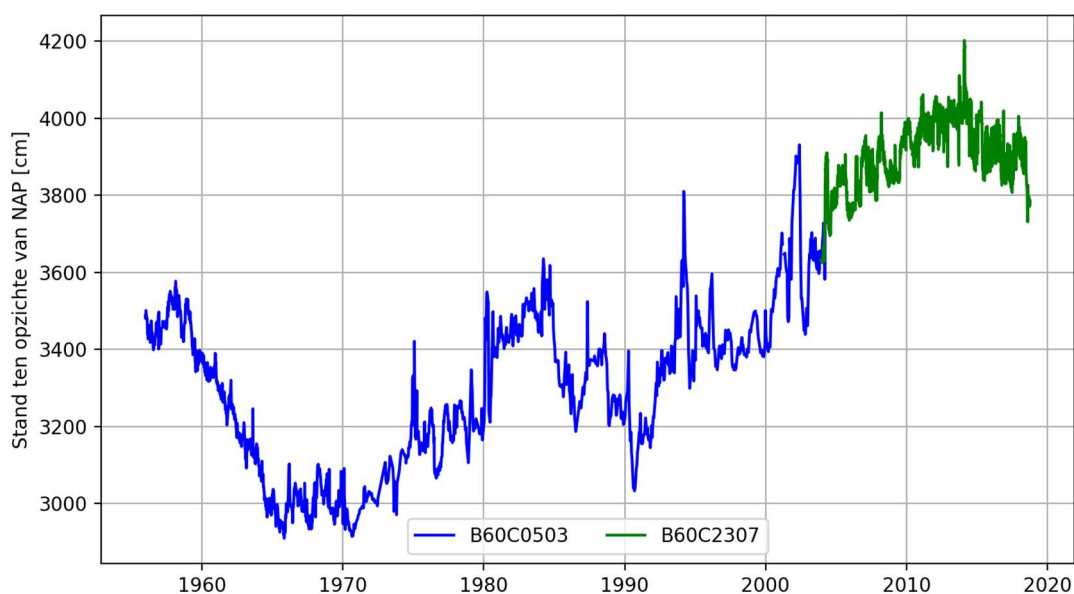
Er zijn enkele meetpunten buiten het onderzoeksgebied uit de buitenlandse mijngebieden aan de selectie toegevoegd: de Duitse schachten Carl-Alexander en Emil-Mayrisch (de schacht Anna ligt net binnen het onderzoeksgebied).

De meetreeksen zijn omgezet in csv-files met een DINO-formaat voor zover nodig. Deze files vormden de basis voor de analyse.

| Bron              | aantal     |
|-------------------|------------|
| Provincie Limburg | 220        |
| Mijnwater B.V.    | 5          |
| DINO              | 139        |
| BRO               | 21         |
| DOV               | 87         |
| NRW               | 277        |
| <b>totaal</b>     | <b>749</b> |

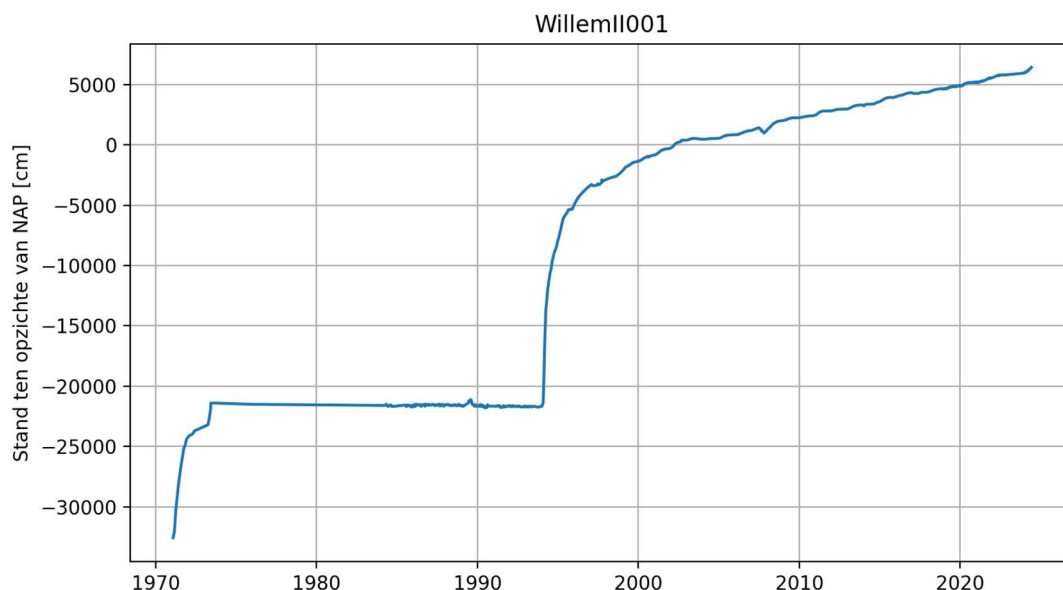
Er zijn ook enkele reeksen die op elkaar aansluiten.

De peilbuizen B60C0503\_1 en B60C2307\_1 liggen binnen 111m en de filterdiepte verschilt 5 m. De metingen sluiten op elkaar aan.



Figuur 4. Tijdlijnen voor de nabijgelegen peilbuizen B60C0503\_1 en B60C2307\_1.

Verder zijn de reeksen gecombineerd van de schacht Willem II (B62E0345) en het vervangende meetpunt dat is ingericht na de sanering van de schacht (B62E4994). De sanering vond plaats in oktober 2022 en het nieuwe meetpunt B62E4994 werd medio december 2023 in gebruik genomen (Figuur 5).



Figuur 5. Gecombineerde meetreeks van schacht Willem II (B62E0345, tot 21 oktober 2022) en het vervangende meetpunt B62E4994 (vanaf 15 december 2023).

De analyse bestond uit visuele inspectie, tijdreeksmodellering, berekening van trends en bepaling van verticale waterstandsverschillen (mijn- en grondwater). De visuele inspectie dient om reeksen te verwijderen die door het ontbreken van zinvolle informatie de analyses kunnen verstoren. Bij de tijdreeksmodellering is gezocht naar de respons van neerslag en verdamping (Zaadnoordijk e.a., 2019) en van de stijging van de mijnwaterstanden. Voor de respons op neerslag en verdamping kon gebruik gemaakt worden van de ervaring van <https://www.grondwaterstandeninbeeld.nl>. Met de respons van grondwaterstanden op stijgende mijnwaterstanden is weinig ervaring in tijdreeksanalyse. Er zijn twee verschillende benaderingen gebruikt: een mijnwaterreeks met een responsfunctie (waarbij dus ook vertraging en vervorming van het stijgingssignaal op kan treden), en een lineaire trend waarvan de grootte bij het berekenen van het tijdreeksmodel geoptimaliseerd wordt. Verder zijn trends en verticale stijghoogteverschillen berekend op basis van alleen de meetreeksen (zoals op <https://www.grondwaterstandeninbeeld.nl>).

De doorwerking van de grondwateraanvulling geeft inzichten in het grondwatersysteem, die behulpzaam zijn bij de analyse. De trends uit de tijdreeksmodellen en direct bepaald uit de meetreeksen zijn gebruikt voor de invloed van de stijging van de mijnwaterstanden op de grondwaterstanden in het dekterrein, waarbij de twee benaderingen een grotere zekerheid geven.

De verticale stijghoogteverschillen zijn gebruikt voor het risico op opwaartse stroming vanuit het mijngebouw in het Carboon naar het grondwater in het dekterrein.

## 3 Databehandeling

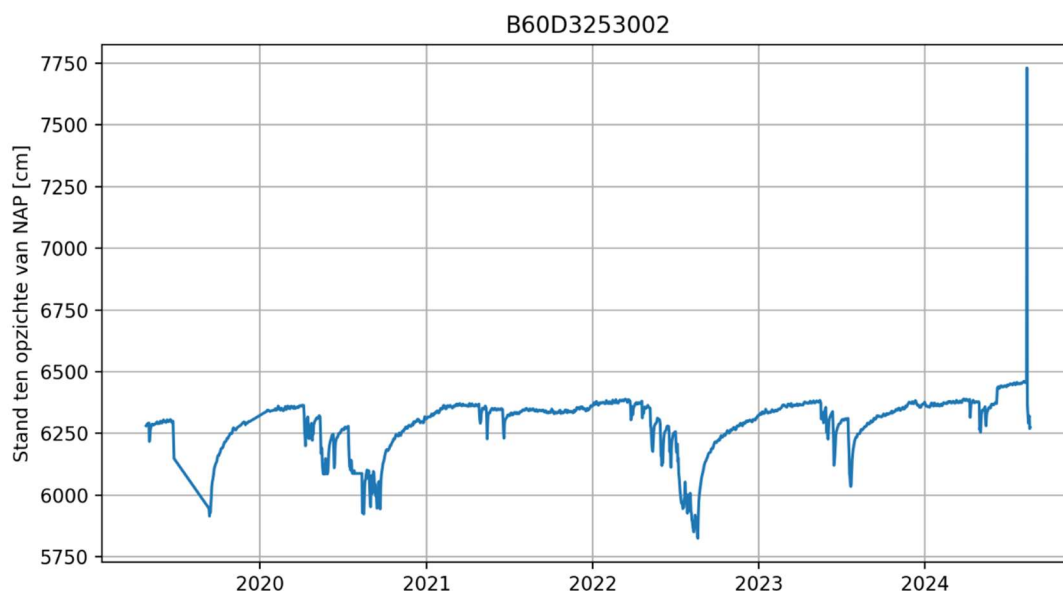
### 3.1 Gegevensverwerking

De eerste stap in de verwerking betrof het, indien nodig, omzetten van de meetreeksen naar csv-files met een DINO-formaat. Op basis van deze files is een overzicht gemaakt van de metadata (zie bijlage A), en zijn grafieken gemaakt per meetreeks en per put met meerdere filters (bijlage C). Op basis van een visuele inspectie (paragraaf 3.2) van de grafieken zijn ontegenzeggelijk foute meetwaarden verwijderd en zijn reeksen afgefallen die geen informatie over de invloed van de stijgende mijnwaterstanden bevatten doordat de reeksen te kort of te grillig (door andere invloeden) waren. Hierbij zijn ook bijzonderheden geconstateerd die in paragraaf 3.2 besproken worden.

### 3.2 Visuele inspectie

De visuele inspectie richtte zich op reeksen met dusdanige verstoringen, dat de kans klein is dat deze bijdragen aan inzicht in doorwerking van stijgende mijnwaterstanden naar het dekterrein of in de werking van het grondwatersysteem meer in het algemeen. Op basis hiervan zijn reeksen afgefallen met een staptrend of grote sprongen, veroorzaakt door bijvoorbeeld grondwateronttrekkingen of meetfouten.

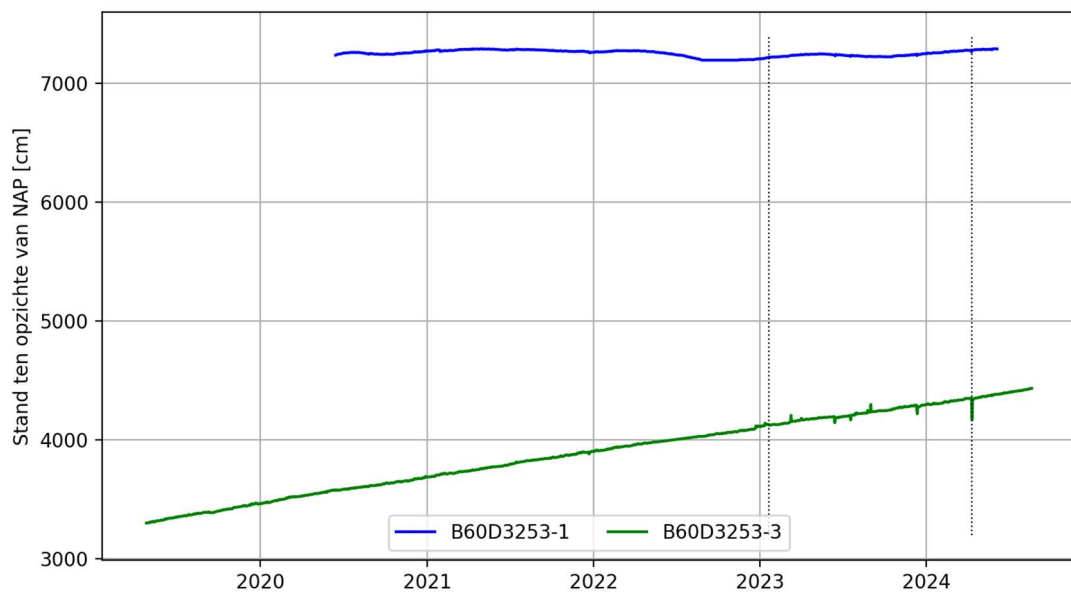
Zie als voorbeeld MWM03A. Hierbij heeft filter 2 een afwijkend verloop (zie Figuur 6), dat bovendien niet aansluit op de filters 1 en 3 (Figuur 7).



Figuur 6. MWM03A, filter2 met onbekende verstoringen en zonder seizoensfluctuatie of invloed van de stijging van de mijnwaterstanden.

De grafiek voor filter 2 (Figuur 6) laat geen seizoensfluctuaties zien, dus is heeft de grondwateraanvulling uit neerslag en verdamping nauwelijks invloed. De plotselinge

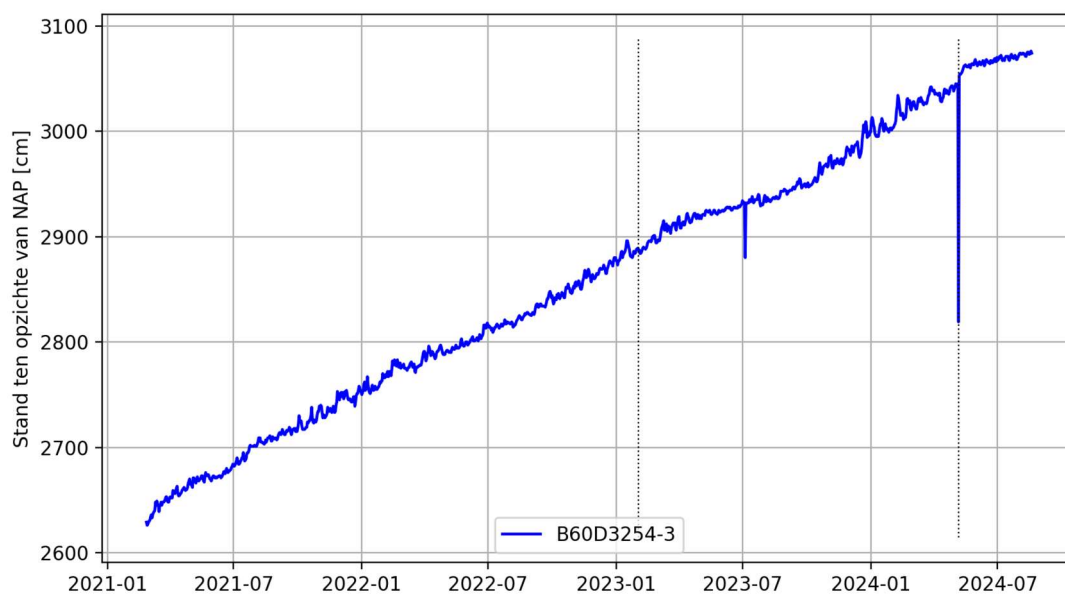
dalingen met geleidelijk herstel van de grondwaterstand zijn typerend voor een nabijgelegen put waaruit af en toe grondwater uit onttrokken wordt. Omdat grondwateronttrekkingen niet beschouwd zijn in de analyse, kunnen geen verdere inzichten afgeleid worden uit deze fluctuaties. Verder valt de waarde op 12 augustus 2024 op, die ongeveer 13 meter hoger is dan de dag ervoor en erna. Dit verschil is zo veel groter dan tussen andere opeenvolgende waarden dat het twijfelachtig is, dat het echt een meting van de grondwaterstand betreft.



Figuur 7. MWM03 verloop van grondwaterstand in filters 1 (dekkerrein) en filter 3 (mijnwater, binnen het mijnwaterproject tijdelijk ontdaan van de drukopnemer voor het meten van een temperatuurprofiel op 20/01/2023 en bemonsterd op 10/04/2024).

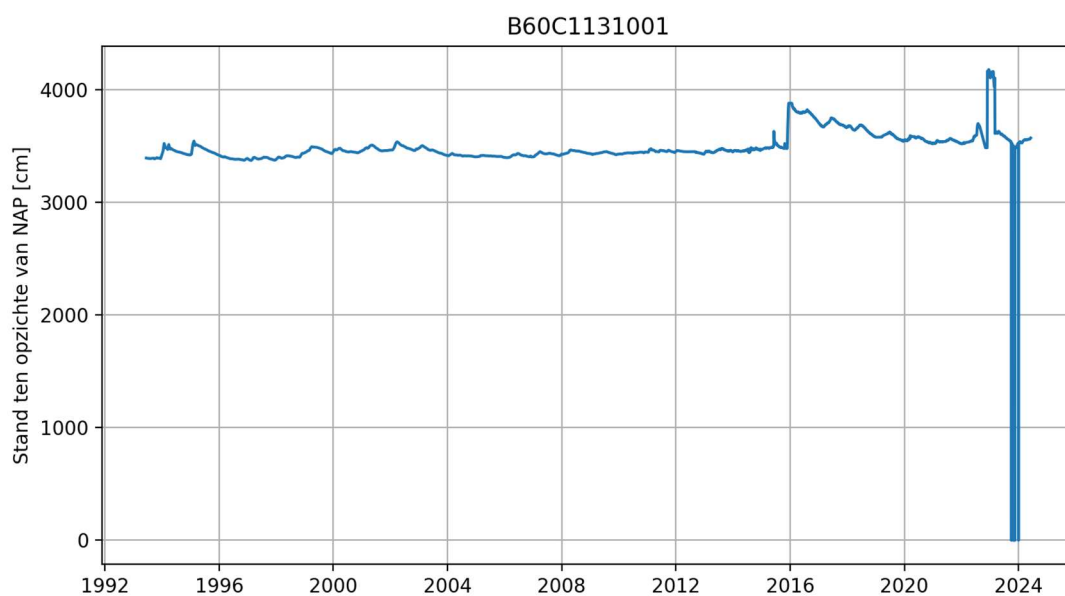
Zo laat Figuur 8 een plotselinge verstoring zien in met 2024 die typerend is voor een ten onrechte geregistreerde druk bij het uitnemen van de drukopnemer uit een peilbuis. Het opmerkelijke is dat het gedrag na de verstoring anders is dan daarvoor, wat mogelijk duidt op een verandering van de positie van de drukopnemer in de peilbuis.





Figuur 8. Mijnwaterstand in filter 3 van MWM04 met verstoring bij bemonstering op 06/05/2024 binnen mijnwaterproject (bij meten van temperatuurprofiel op 02/02/2023 is geen afwijking te zien).

Een ander voorbeeld van foute meetwaarden zijn missende data, waarvoor een nul is ingevuld (Figuur 9).



Figuur 9. Meetreeks met nulwaarden voor ontbrekende metingen.

Dergelijke duidelijk foutieve waarden zijn verwijderd zodat in plaats van de reeks uit Figuur 9 gebruik gemaakt is van Figuur 10 in de analyse.



Figuur 10. Meetreeks waaruit nullen voor ontbrekende waarden zijn verwijderd (vergelijk Figuur 9).

In Bijlage A is aangegeven welke tijdreeksen zijn verwijderd bij de visuele analyse. De betreffende tijdreeksen zijn opgenomen in Bijlage E. De originele grafieken van de aangepaste reeksen zijn opgenomen in Bijlage D.

Voor een deel is de visuele inspectie uitgevoerd in samenhang met de tijdreeksanalyses. Reeksen zijn nader bekeken als een analyse vreemde resultaten opleverde.

## 4 Resultaten

### 4.1 Tijdreeksmodellering

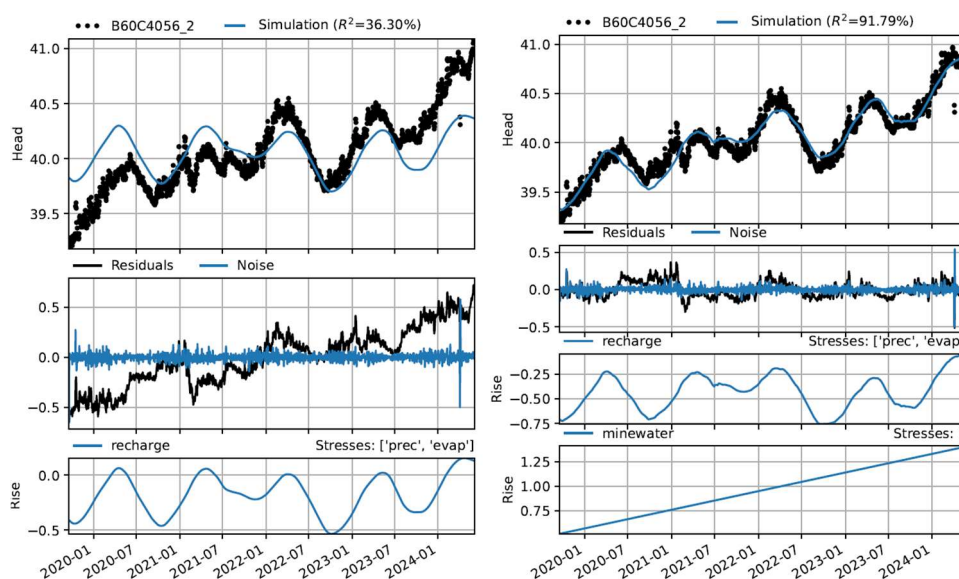
Bij de uitgevoerde modellering van de tijdreeksen is de waterstandsvariatie gekoppeld aan:

- Neerslag en verdamping.
- Neerslag en verdamping en mijnwaterstand.
- Neerslag en verdamping en lineaire trend.

De modellering met alleen neerslag en verdamping is opgezet zoals op de viewer grondwaterstanden-in-beeld op de website <https://www.grondwatertools.nl> (Zaadnoordijk e.a., 2019). Hierbij wordt de grondwateraanvulling berekend als de neerslag verminderd met de verdamping maal een factor. De grondwateraanvulling wordt vertaald naar de grondwaterstand met een responsfunctie. Bij de bepalen van het tijdreeksmodel worden parameters voor de vorm van de responsfunctie, de verdampingsfactor en een ruismodel geoptimaliseerd.

Voor de modellering is gebruik gemaakt van Pastas (Collenteur e.a., 2019). Voor de neerslag en verdamping zijn dagwaarden gebruikt van het KNMI-weerstation Maastricht. Voor de modellering met mijnwaterstand is de reeks van schacht Oranje Nassau I gebruikt als invoer. Dit leverde nauwelijks bruikbare resultaten. Daarom zijn voor de potentiële invloed van stijgende mijnwaterstand in het dekterrein de modellen met een lineaire trend beschouwd. De grootte van deze trend is geoptimaliseerd bij de parameterbepaling van het tijdreeksmodel. Bij de beoordeling is als eerste criterium gehanteerd dat er geen invloed van de stijgende mijnwaterstand is als het een dalende trend is.

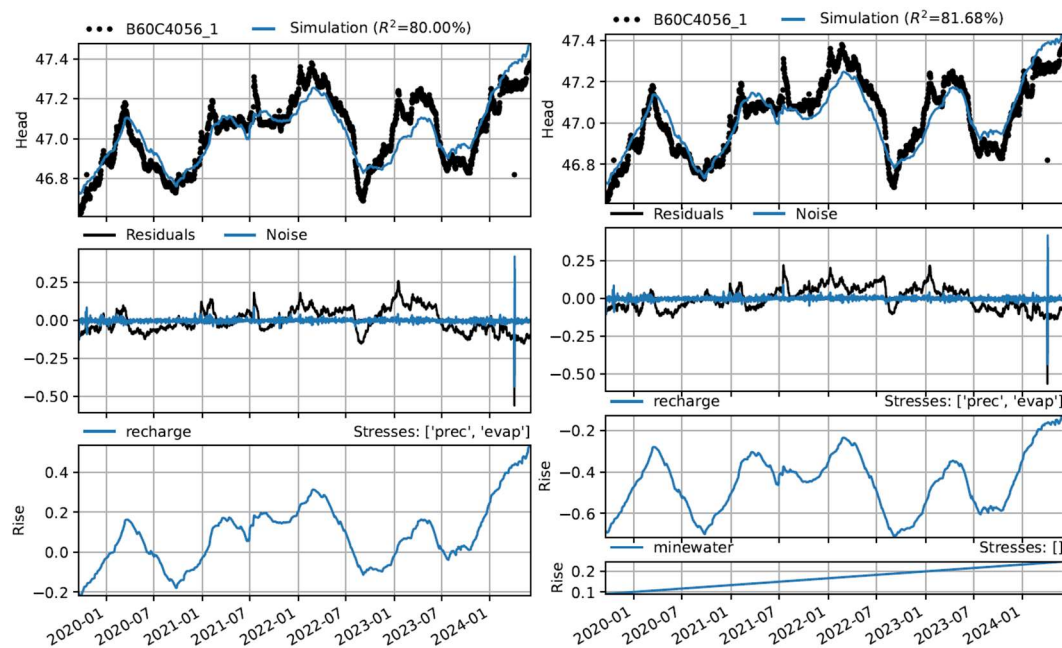
Figuur 11 laat tijdreeksmodellen zien voor een meetpunt ten noorden van Stein, met waarnemingsfilter op -125 mNAP zonder en met een lineaire trend.



Figuur 11. Tijdreeksmodel met en zonder lineaire trend voor B60C4056\_2.

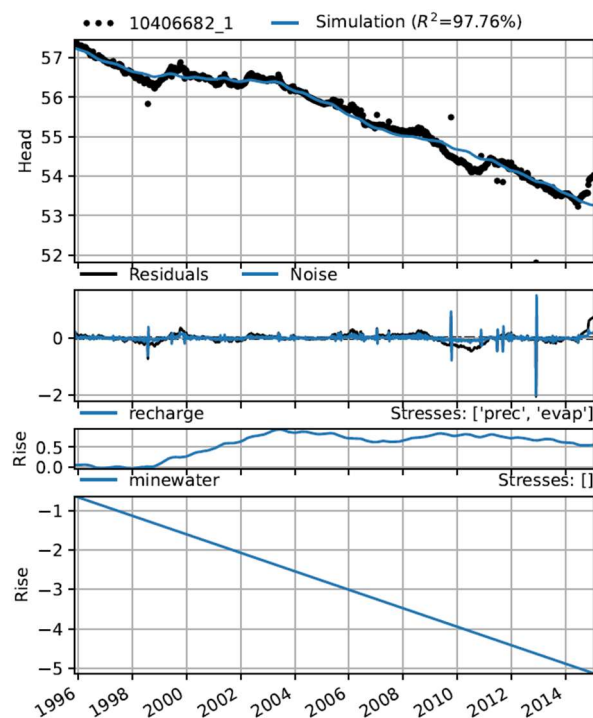
De trend zorgt voor een sterke verbetering van het model. Het is een stijgende trend, die dus samen kan hangen met de stijgende mijnwaterstanden.

De grootte van de trend is in dit voorbeeld 19 cm/jaar en hierdoor neemt de  $R^2$  toe van 36 naar 92 % en neemt de wortel uit de gemiddelde kwadratische fout af van 29 tot 10 cm. De verbetering is niet altijd zo duidelijk. Dit wordt geïllustreerd door filter 1 van dezelfde put B60C4056 (Figuur 12). Ook hiervoor verbetert het model met een trend (in dit geval 3 cm/jaar), maar de verbetering is zeer beperkt:  $R^2$  van 80 naar 82 % en de RMSE van 0.078 naar 0.075 m. Bovendien is de standaardafwijking van de trend nu 38 % van de trendwaarde in plaats van 5 % voor filter 1.



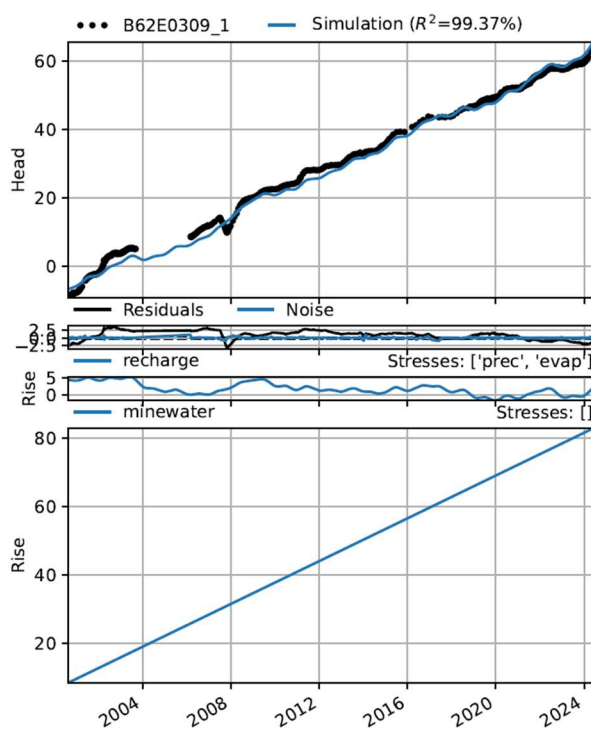
Figuur 12. tijdreeksmodellen zonder en met trend voor B60C4056\_1.

Er zijn ook modellen die met een dalende trend sterk verbeteren, zoals de Belgische put 10406682 (Figuur 13).



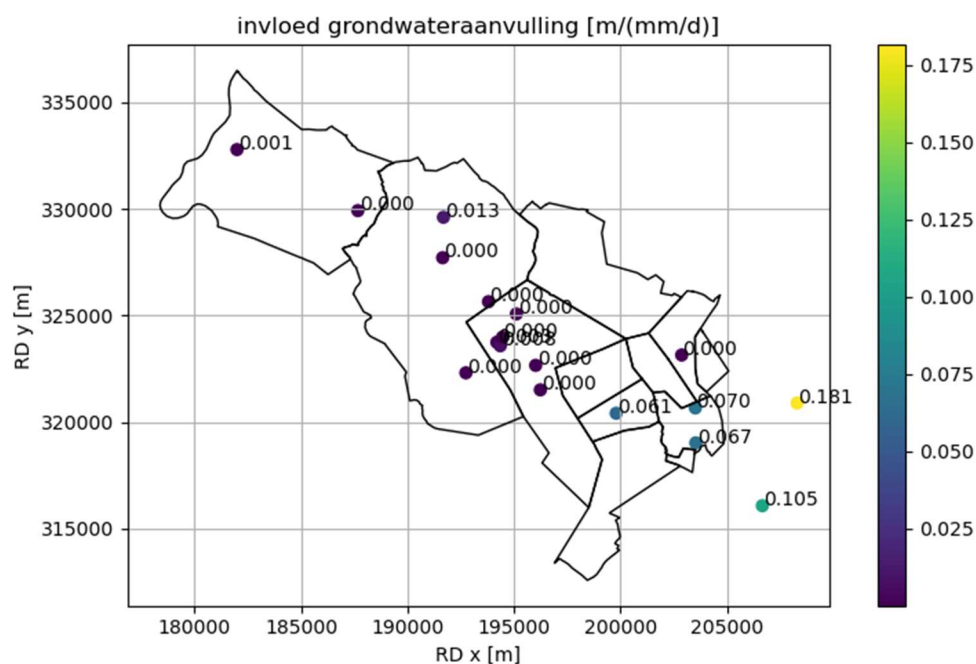
Figuur 13. Tijdreeksmodel met dalende trend.

Er kan ook gekeken worden naar de invloed van de grondwateraanvulling uit neerslag en verdamping op de mijnwaterstand (Figuur 14).

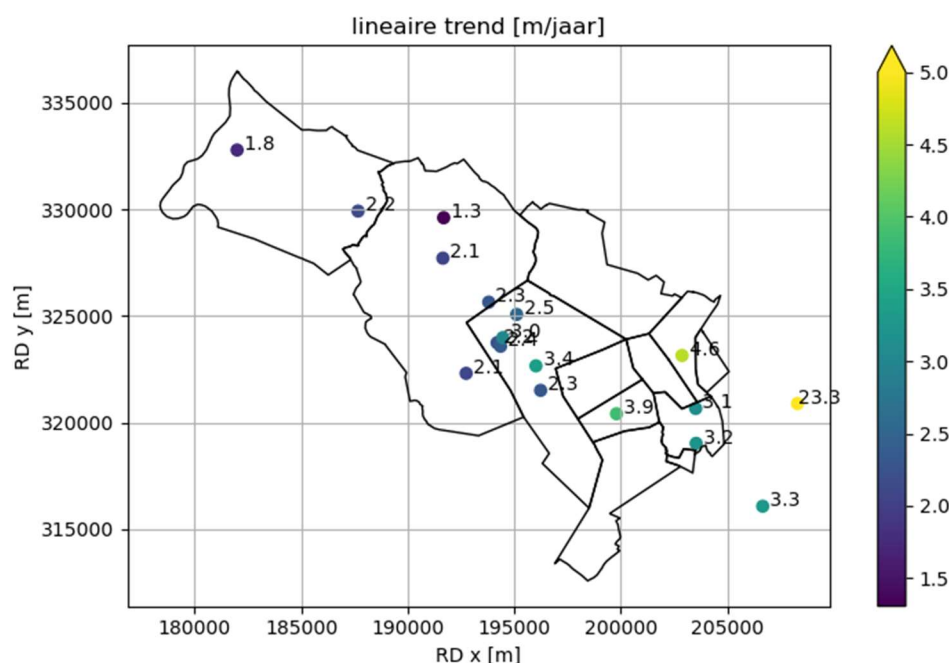


Figuur 14. Tijdreeksmodel met neerslag en verdamping en lineaire trend voor schacht Beerenbosch II (B62E0309).

De invloed van de grondwateraanvulling uit neerslag en verdamping uit de tijdreeksmodellen voor de mijnwatermeetpunten in het Carboon is op een kaart weergegeven in Figuur 15. De invloed neemt toe in oostelijke richting waar het Carboon ondieper ligt. De lineaire trends uit deze tijdreeksmodellen wordt getoond in Figuur 16. Ook in de trends is een toename naar het oosten zichtbaar.



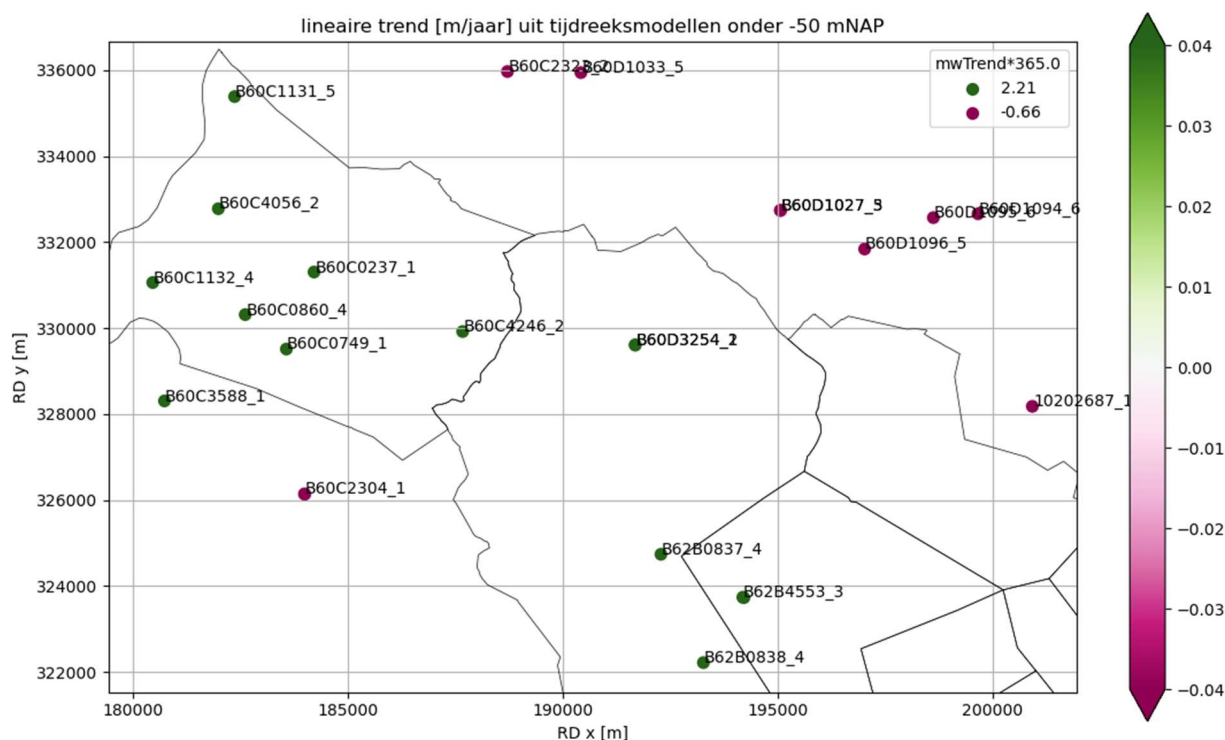
Figuur 15. Invloed grondwateraanvulling in meetpunten van mijnwaterstanden (Carboon; invloed op mijnwaterstand in meter voor een verandering van 1 mm/d van de grondwateraanvulling).



Figuur 16. Lineaire Mann-Kendall-Sen trend [m/d] voor de periode 1990-2024 in de tijdreeksmodellen voor de mijnwaterstanden (Carboon), waarbij de invloed van de grondwateraanvulling is uitgefilterd.

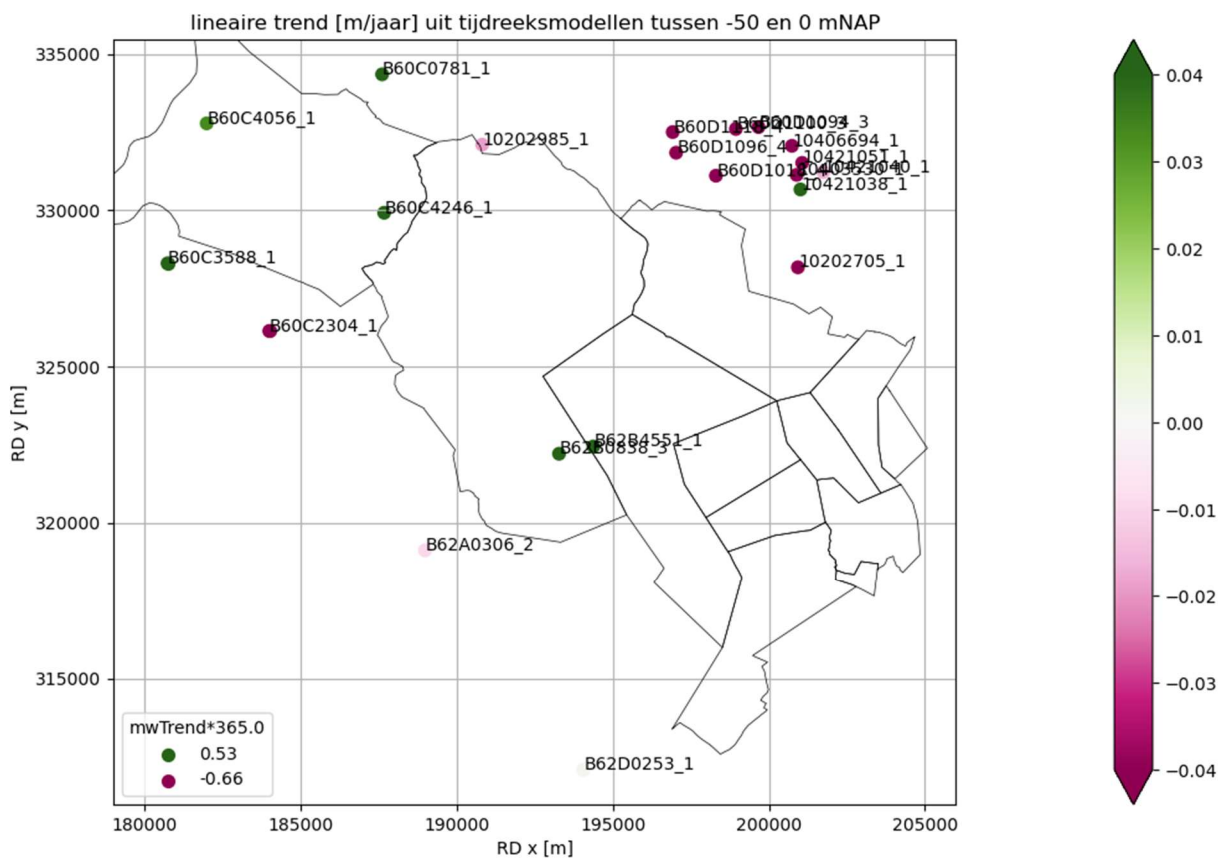
De tijdreeksmodellen geven ook significante trends voor meetpunten in het dekterrein. Figuur 17 geeft significante trends voor waarnemingsfilters in het dekterrein dieper dan -50 mNAP. Binnen de mijnconcessies zijn dit stijgende trends, behalve voor B60C3591\_1. De trend voor dit meetpunt geeft echter een vertekend beeld omdat de lengte van de reeks minder dan 2 jaar is en de variatie slechts 6 cm. Ten noordoosten van de concessies in de Roerdalslenk zijn dalende trends te zien.

Figuur 18 laat eenzelfde beeld zien voor de meetpunten tussen -50m NAP en 0 m NAP.



Figuur 17. Grootte van trends [m/jaar] volgens tijdreeksmodellen met neerslag, verdamping en lineaire trend als verklarende variabelen (met maximum en minimum waarde in de legenda).





Figuur 18. Grootte van trends [m/jaar] volgens tijdreeksmodellen met neerslag, verdamping en een lineaire trend als verklarende variabelen.

Voor diverse meetpunten buiten de concessies in Figuur 17 en Figuur 18 met een stijgende trend is de standaarddeviatie van de trend groter dan de trend zelf. Dit betekent dat vanuit de tijdreeksmodellering het bestaan van een lineaire trend onzeker is.

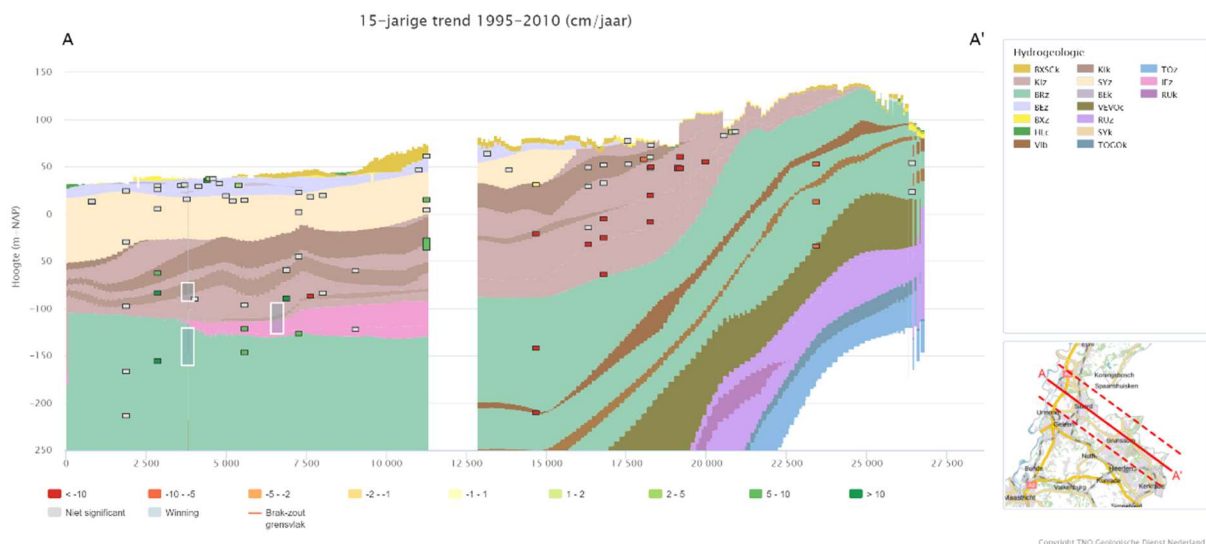
Voor meetpunten met een waarnemingsfilter boven NAP is er geen verschil meer te zien in de richting van de trend tussen mijngebied en het gebied daarbuiten. Bovendien hebben veel van de positieve trends een standaarddeviatie die groter is dan de trend zelf.

## 4.2 Trends

Trends in de meetreeksen zijn bepaald volgens de berekeningswijze van de webapplicatie grondwaterstanden-in-beeld op <https://www.grondwatertools.nl> (TNO-GDN, 2024). Dit wijkt af van de aanpak op basis van tijdreeksmodellering met neerslag en verdamping. Nu wordt alleen naar de grondwaterstanden gekeken met een statistische analyse. Hierin wordt een Mann-Kendalltest gebruikt om te bepalen of er een statistisch significante trend aanwezig is en wordt met de Sen-methode de grootte van de trend berekend.

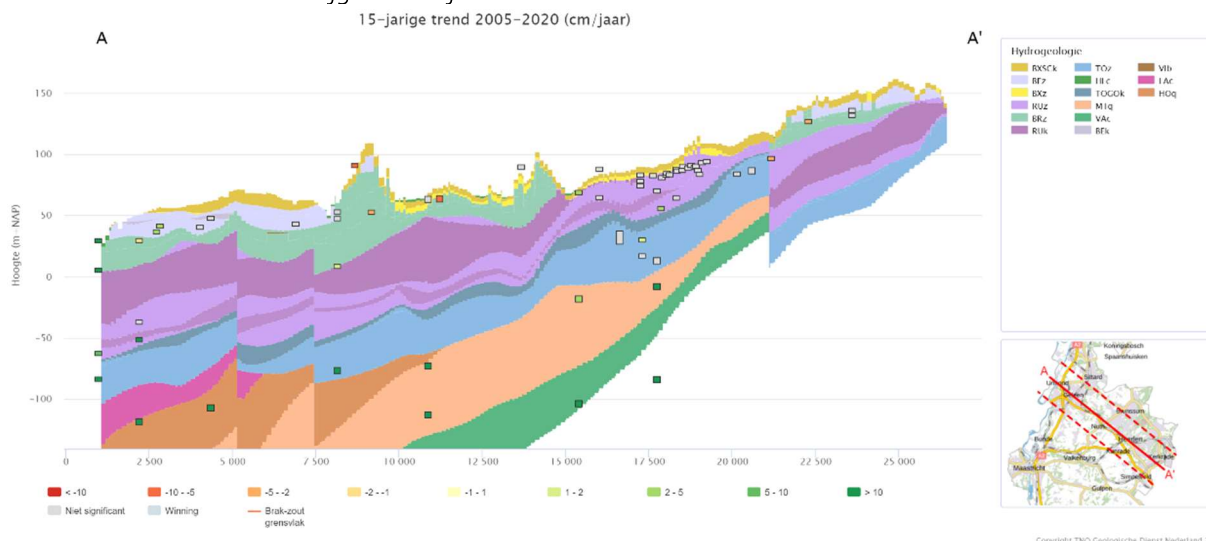
De trend is voor verschillende perioden berekend. Figuur 19 en Figuur 20 laten trends zien in dwarsdoorsneden. Figuur 19 geeft de trends voor de periode 1995-2010 in een dwarsdoorsnede ten noorden van de Feldbissbreuk. In deze periode zorgde neerslag en

verdamping in het algemeen voor stijgende trends, zodat de neerwaartse trends in de doorsnede duiden op een andere invloed.



Figuur 19. Dwarsprofiel REGIS II met trends 1995-2010 in Roerdalslenk (bron: <https://www.grondwaterstandeninbeeld.nl>).

Figuur 20 geeft de trends voor de periode 2005-2020 in een dwarsdoorsnede ten zuiden van de Felddissbreuk. In deze periode zorgde neerslag en verdamping in het algemeen voor dalende trends, zodat de opwaartse trends in de doorsnede duiden op een andere invloed. Hiervoor is de stijgende mijnwaterstand de eerste kandidaat.



Figuur 20. Profiel REGIS II zuidwestelijk van Feldbiss met trends 2005-2020 (bron: <https://www.grondwaterstandeninbeeld.nl>).

Voor de tijdreeksen zijn trends bepaald op basis van de beschikbare metingen binnen drie verschillende perioden:

- De gehele meetperiode.
- De vijftien jaar van 2006 tot en met 2020.
- De vijf jaar van 2016 tot en met 2020.
- Vanaf 2020 tot het eind van de beschikbare metingen (maximaal medio 2024).

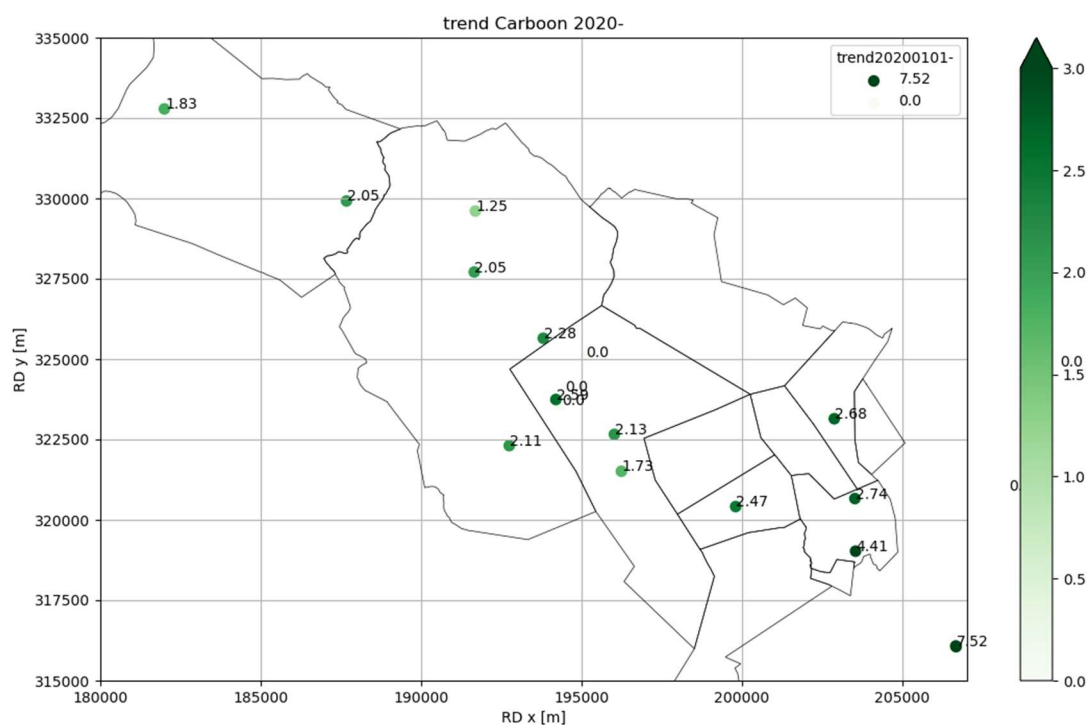
Tabel 1 geeft de trends voor verschillende perioden voor de meetreeksen uit het Carboon, die de mijnwaterstanden weergeven. De trends voor de periode vanaf 2020 zijn op een kaart gezet in Figuur 21.

Tabel 1. Trends in mijnwaterstand [meter per jaar] voor mijnwatermeetpunten in het Carboon met aanduiding van het breukblok (Benz=Benzenrader breuk, Heer=Heerlerheidebreuk, Feld=Feldbissbreuk).

| code          | naam             | alle  | 2006-2020 | 2016-2020 | 2020- | zone      |
|---------------|------------------|-------|-----------|-----------|-------|-----------|
| B60C4119_1    | MWM01B           | 1.83  |           |           | 1.83  | Benz-Heer |
| B60C4246_3    | MWM02B_3         | 2.05  |           |           | 2.05  | Benz-Heer |
| B60D3253_3    | MWM03            | 2.09  |           | 2.29      | 2.05  | Benz-Heer |
| B60D3254_3    | MWM04            | 1.25  |           |           | 1.25  | Heer-Feld |
| B62B4727_1    | MWM06B           | 2.92  |           | 2.35      | 2.59  | Benz-Heer |
| B62B4728_1    | MWM07B           | 2.11  |           |           | 2.11  | ZWvanBenz |
| B62B0255_1    | OranjeNassau1    | 2.87  | 2.71      | 2.46      | 2.13  | Benz-Heer |
| B62B0416_1    | Wilhelmina       | 2.87  | 2.81      | 2.16      | 2.47  | Heer-Feld |
| B62E0172_1    | Julia            | 4.77  | 4.26      | 3.23      | 2.69  | NOvanFeld |
| B62E0309_1    | Beerenbosch II   | 3.57  | 3.49      | 3.30      | 2.74  | Heer-Feld |
| B62E0345_1    | Willem II        | 3.71  | 3.47      | 3.29      | 4.41  | Heer-Feld |
| B62E1175_1    | VonGoerschen     | 3.91  | 3.79      | 3.41      | 7.52  | Heer-Feld |
| Anna          | Eduard(Anna)     | 36.43 | 28.39     |           |       | NOvanFeld |
| CarlAlexander | CarlAlexander    | 29.67 | 27.69     |           |       | NOvanFeld |
| EmilMayrisch  | EmilMayrisch     | 36.49 | 27.48     |           |       | NOvanFeld |
| HLN1_1        | MijnwaterBV-HLN1 | 4.44  |           |           |       | Benz-Heer |
| HLN2_1        | MijnwaterBV-HLN2 | 3.36  | 3.32      |           | 1.73  | Benz-Heer |
| HLN3_1        | MijnwaterBV-HLN3 | 3.47  | 3.75      | 4.01      |       | Benz-Heer |
| HH1_1         | MijnwaterBV-HLH1 | 7.67  |           |           | 2.28  | Benz-Heer |
| HH2_1         | MijnwaterBV-HLH2 | 6.78  | 3.67      |           |       | Benz-Heer |

In de Tabel 1 is te zien in de middelste drie kolommen dat de trends tot 2020 afnemen naarmate minder oudere metingen gebruikt worden. Vergelijking van de trends voor 2016-2020 en 2020- laat zowel toenames als afnames zien.

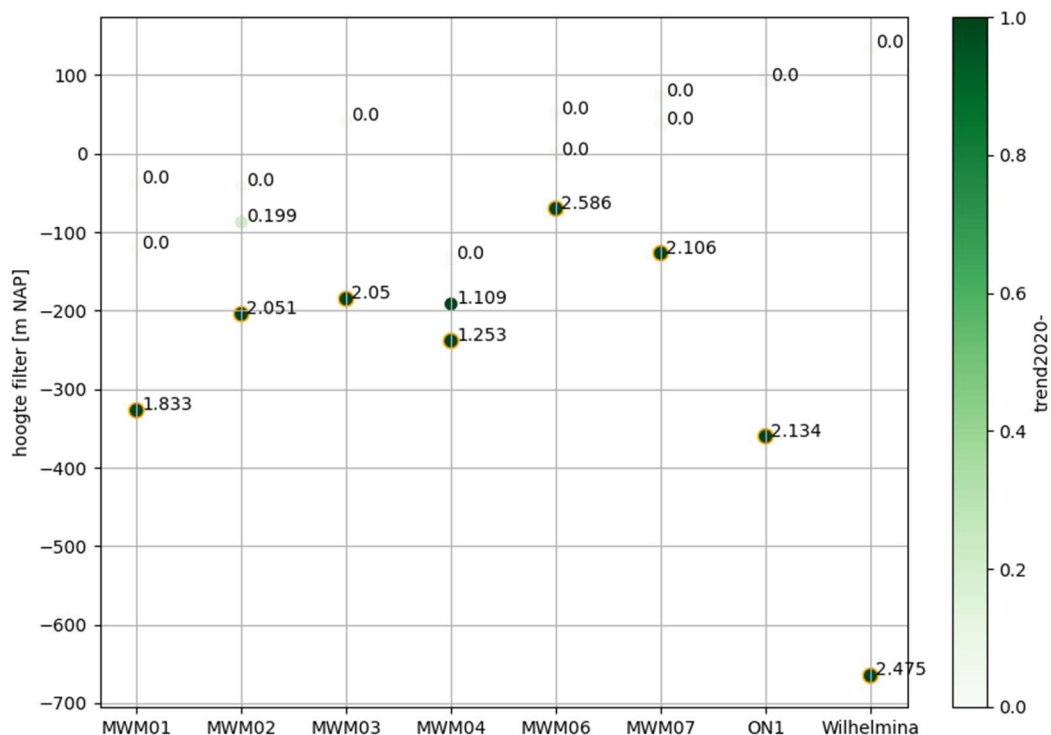
Figuur 21 toont de ruimtelijke verschillen aan de hand van de trends op basis van de metingen vanaf 2020. Globaal zijn de trends groter in het oosten dan in het westen. Dit komt overeen met de trends in Buma e.a. (2023).



Figuur 21. Trends in mijnwaterstanden [m/jaar] voor mijnwatermeetpunten voor metingen sinds 2020.

Om een eerste idee te krijgen in hoeverre de stijging van de mijnwaterstand invloed heeft op de grondwaterstand in het dekterrein is een selectie gemaakt van mijnwaterstandsmeetpunten, die in de directe nabijheid ook een grondwaterstandsmeetpunt in het dekterrein hebben.

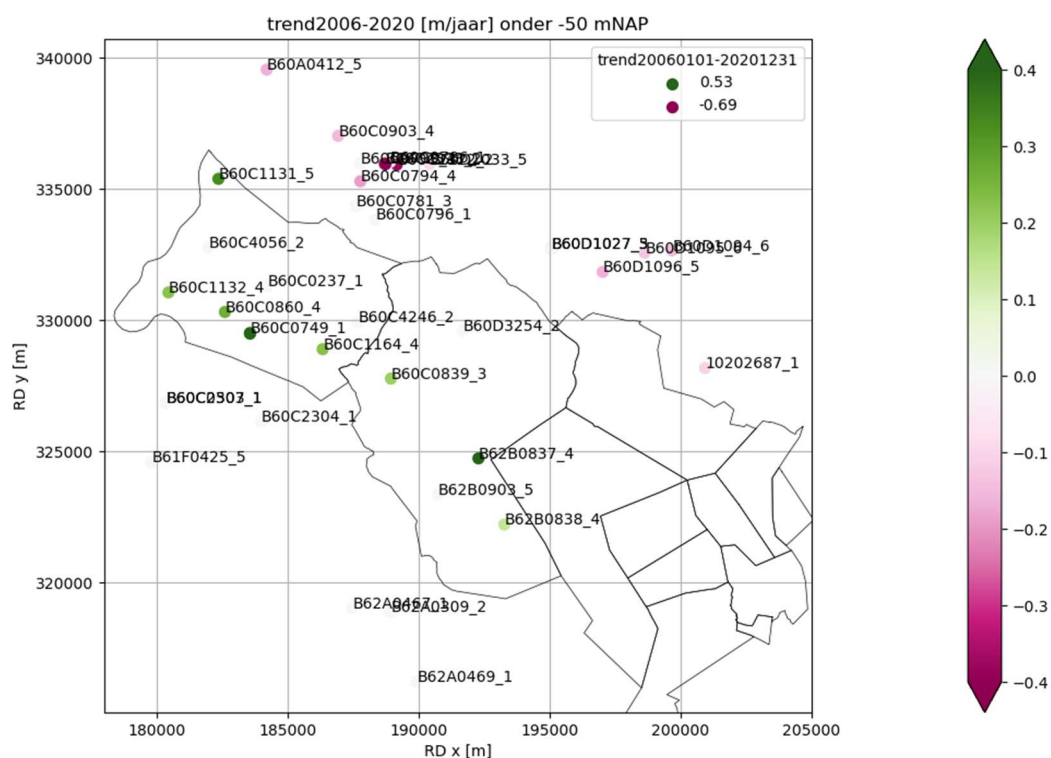
Figuur 22 laat de trends in de meetreeksen sinds 2020 zien met de RD-x-coördinaat op de horizontale as en de NAP-hoogte op de verticale as. De figuur negeert dus de afstand in de RD-y-richting, waardoor MWM03 (B60D3253) en MWM04 (B60D3254) vlak bij elkaar zijn afgebeeld ondanks dat ze aan weerszijden van de Feldbissbreuk liggen (zie Tabel 1).



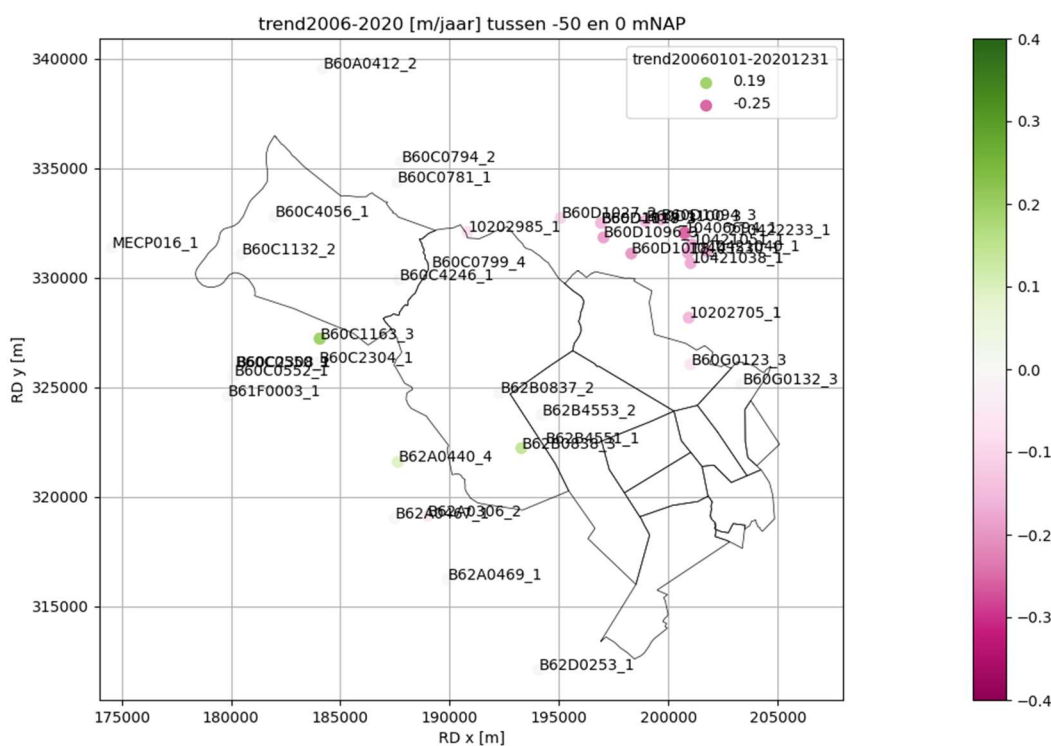
Figuur 22. Trends [m/jaar] in metingen sinds 2020 voor filters in mijnwater (met oranje cirkel) met nabijgelegen meetpunten in dekterrein. Op de verticale as de NAP-hoogte [m] en op de horizontale as de mijnwatermeetpunten op volgorde van de RD-x-coördinaat.

Figuur 22 laat alleen een trend in het dekterrein zien voor filter 2 van MWM02 (10% van de trend in de mijnwaterstand) en filter 2 van MWM04 (90% van de trend in de mijnwaterstand). Filter 2 van MWM04 ligt vlak boven het Carboon helemaal onderin het dekterrein en dit filter valt ook op bij de verticale stijghoogteverschillen (zie subparagraaf 4.3.1).

Figuur 23 en Figuur 24 laten trends in het dekterrein zien voor meetpunten onderin het dekterrein (onder -50 mNAP, Figuur 23) en tussen 0 en -50 mNAP (Figuur 24). Hierin zijn duidelijk stijgende trends te zien binnen de gebieden van de westelijke steenkoolconcessies en dalende trends in de Roerdalslenk (noordoostelijk van de Feldbissbreuk). De trends zijn veelal minder dan 10% van de stijging in de mijnwaterstand.

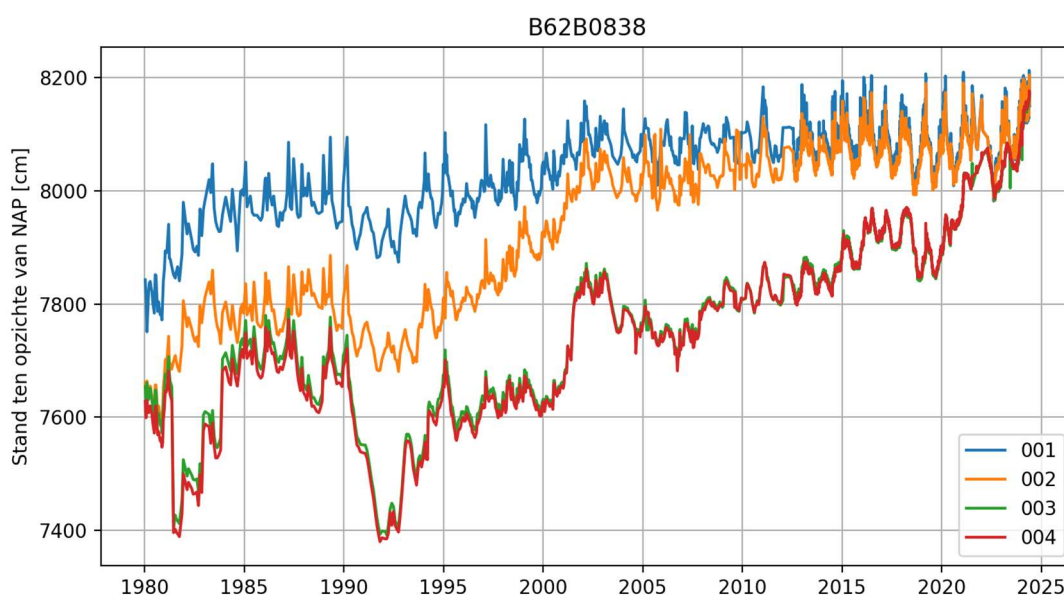


Figuur 23. Significante trends voor de periode 2006-2020 in tijdreeksen van filters in het dekkerrein beneden - 50 mNAP.



Figuur 24. Significante trends voor de periode 2006-2020 in tijdreeksen van filters tussen -50 en 0 mNAP.

Binnen de concessies is B62B0838 is de enige put met een waarnemingsfilter boven -50 mNAP, waar een significante trend is vastgesteld. Ondanks dat het een stijgende trend is, is het de vraag is of dit gekoppeld kan worden aan stijging van de mijnwaterstand, of dat er andere invloeden van belang zijn. De grafieken voor de filters van deze put hebben weliswaar allemaal een grotendeels stijgende trend sinds 1993 (Figuur 25), maar van 1986 tot 1993 vond een forse daling plaats (net als rond 1981). Bovendien waren de niveaus in 1981 vergelijkbaar met die in 1992 en was er rond 2002 een tijdelijke verhoging (Figuur 25). Dit suggereert dat hier een andere lokale invloed speelt en dat de invloed van de stijgende mijnwaterstand op de hoogte van deze filters grotendeels uitgedempt is terwijl uit de seizoensfluctuaties blijkt dat er wel een duidelijke invloed van de grondwateraanvulling uit neerslag en verdamping is.



Figuur 25. Tijdlijnen voor B62B0838 bij Voerendaal met filters rond 70 (filter 1 in de Formatie van Tongeren), 13 (filter 2 in de Formatie van Maastricht), -8 (filter 3 in de Formatie van Vaals) en -84 mNAP (filter 4, ook in de Formatie van Vaals).

## 4.3 Verticale stijghoogteverschillen

De verticale stijghoogteverschillen zijn berekend voor paren van filters binnen 150m laterale afstand van elkaar op verschillende dieptes. Per paar zijn steeds de verschillen berekend voor de dagen dat voor beide filters een meting beschikbaar was en deze zijn voor verschillende periodes gemiddeld. De verschillen tussen de mijnwaterstanden in het Carboon en grondwaterstanden in het dekterrein worden gepresenteerd in subparagraaf 4.3.1 en de verticale verschillen tussen de grondwaterstanden in het dekterrein in subparagraaf 4.3.2.

### 4.3.1 Verschillen tussen grondwater- en mijnwaterstand

Vanuit het dekterrein naar het Carboon is sprake van verticale neerwaartse stroming op een locatie als de grondwaterstand daar hoger is dan de mijnwaterstand.

Bij de meeste meetpunten in het Carboon met bijbehorende meetpunten in het dekterrein is de stromingsrichting vanuit het dekterrein naar het Carboon omlaag gericht. Alleen bij



MWM04 bestaat geen neerwaartse gradiënt tussen alle filters in de verticaal doordat filter 2 in het dekterrein een lagere stijghoogte van het grondwater heeft dan het mijnwater van filter 3 in het Carboon.

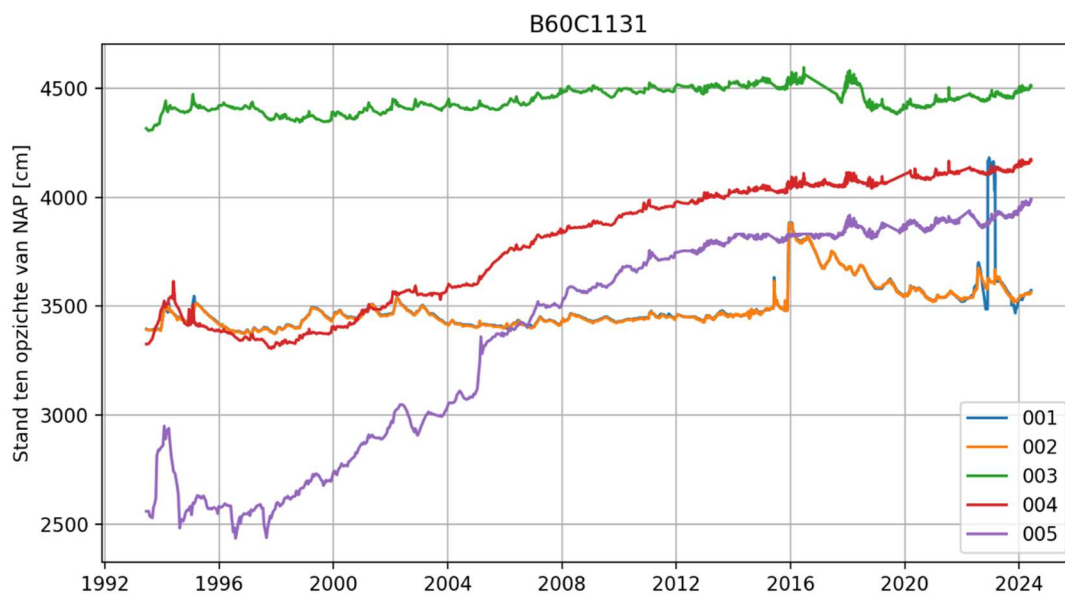
Tabel 2: Waterstanden voor verticale verschillen tussen de mijnwaterstand in het Carboon en nabijgelegen grondwaterstanden [m NAP] in het dekterrein voor de metingen sinds 2020. h1=mijnwaterstand in Carboon, h2=grondwaterstand lager in het dekterrein, h3=grondwaterstand hoger in het dekterrein

| Carboon-meetpunt (1) | NITG-code Carboon (1) | Onderste meetpunt dekterrein (2) | Bovenste meetpunt dekterrein (3) | h1    | h2           | h3    |
|----------------------|-----------------------|----------------------------------|----------------------------------|-------|--------------|-------|
| MWM01B               | B60C4119001           | B60C4056002                      | B60C4056001                      | -3.66 | 40.06        | 47.03 |
| MWM02B_3             | B60C4246003           | B60C4246001                      | B60C4246002                      | -0.90 | 48.61        | 56.12 |
| MWM03                | B60D3253003           | B60D3253002                      | B60D3253001                      | 38.87 | ≈60          | 72.49 |
| MWM04                | B60D3254003           | B60D3254002                      | B60D3254001                      | 28.61 | <b>27.87</b> | 68.00 |
| MWM06B               | B62B4727001           | B62B4553002                      | B62B4553001                      | 37.77 | 61.62        | 81.05 |
| MWM07B               | B62B4728001           | B62B4554002                      | B62B4554001                      | 39.82 | 80.08        | 80.13 |
| ONI                  | B62B0255001           | B62B4283001*                     |                                  | ≈41   | >96          |       |
| Wilhelmina           | B62B0416001           | B62B4274001*                     |                                  | ≈50   | >136         |       |

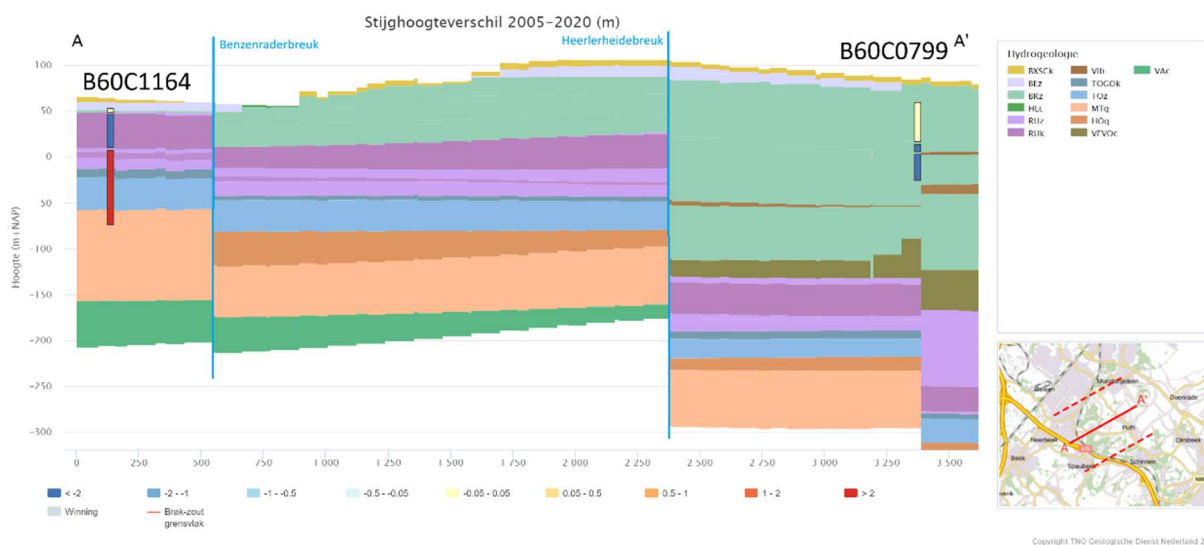
\* deze meetpunten liggen op meer dan 111m laterale afstand van het Carboonmeetpunt

### 4.3.2 Verticale stijghoogteverschillen in dekterrein

In het dekterrein treden wel opwaartse gradiënten op, bijvoorbeeld bij B60C1131 tussen filter 3 en filter 2 (Figuur 26). Dit treedt ook op bij B60C1164 (Figuur 27). In dit profiel uit grondwaterstanden-in-beeld (<https://www.grondwaterstandeninbeeld.nl>), is bovendien de hydrogeologische context te zien, met de verschillen ter weerszijden van de breuken. De eerste kleiige eenheid uit de Rupel Formatie zorgt voor het stijghoogteverschil behorende bij de opwaartse gradiënt en het Laagpakket van Goudsberg uit de Formatie van Tongeren geeft het stijghoogteverschil met neerwaartse gradiënt.

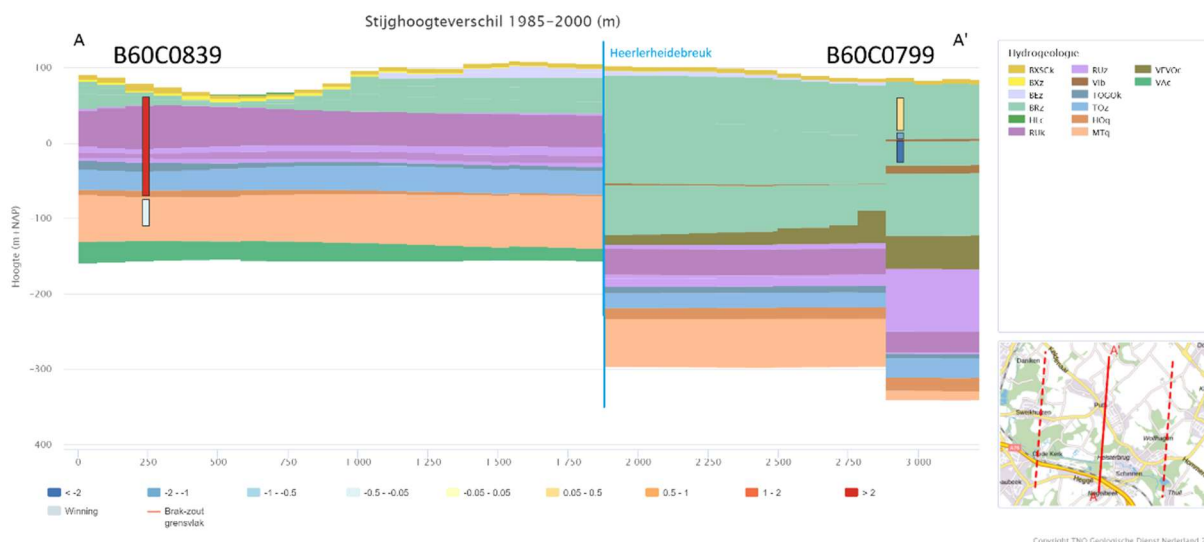


Figuur 26. Monitoringsput B60C1131 bij Berg aan de Maas.



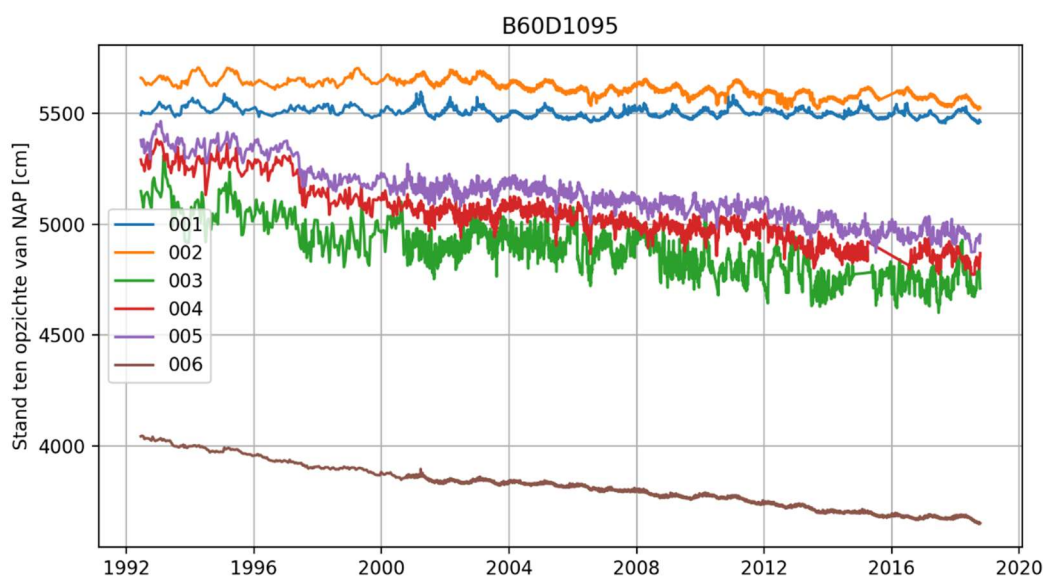
Figuur 27. Dwarsdoorsnede uit REGIS II met verticale stijghoogte verschillen uit grondwaterstanden-in-beeld voor B60C1164 en B60C0799.

Bij B60C0799 is alleen sprake van kwel (Figuur 27 en Figuur 28). Het diepste filter ligt wel ver boven het Carboon. Dus het geeft geen indicatie voor de verticale stromingsrichting onderin het dekterrein.



Figuur 28. Dwarsdoorsnede REGIS II met verticale verschillen voor de grondwaterstanden voor de periode van 1985-2000 uit grondwaterstanden-in-beeld voor B60C0839 en B60C0799.

Ten noordoosten van Feldbissbreukzone is een ander verloop van de grondwaterstanden te zien, bijvoorbeeld in B60C1095 (Figuur 29). Vlakbij deze put is een afwateringssysteem dat er waarschijnlijk voor zorgt dat de grondwaterstand in filter 1 (51 mNAP in de Formatie van Stramproy) lager is dan in filter 2 (37 mNAP Kiezeloöliet Formatie). Vervolgens is de grondwaterstand in filter 3 (16 mNAP in een diepere zandige eenheid binnen de Kiezeloöliet Formatie) beduidend lager dan in filter 2 (en ook dan in filter 4 op -49 mNAP in de volgende zandige eenheid van de Kiezeloöliet Formatie). Ook is de fluctuatie bij filter 3 veel groter. Dit wordt veroorzaakt door de winning Schinveld van de WML, die grondwater onttrekt in de zandige eenheid van filter 3. Bij filter 5 (op -116 mNAP in de Formatie van Breda) is de grondwaterstand weer hoger dan bij filter 4 en ook dan bij filter 6 (-227 mNAP in de Formatie van Breda), wat duidt op een grotere laterale toestroming dan in de andere zandige eenheden. Behalve filter 1 vertonen alle filters een dalende trend die samen kan hangen met grondwateronttrekking en met laterale invloeden.



Figuur 29. Grondwaterstanden B60D1095 nabij Duitse grens noordoostelijk van Schinveld, ten noordoosten van de Feldbissbreukzone.

In het Belgische deel van het zoekgebied zijn 19 waarnemingsputten met meerdere filters. Het verschil in grondwaterstand is maximaal 14 cm en alle verschillen duiden op een infiltratiesituatie (zie Tabel 3). Bij de meeste putten is het diepteverschil minder dan 20 meter. Het maximale diepteverschil is 112.5 meter en het betreffende meetpunt, 7-0352, heeft ook het maximale stijghoogteverschil.

Tabel 3. Grondwaterstandsverschillen (dh in [m]) voor Belgische waarnemingsputten met meerdere filters (dz = verticale afstand tussen het ondiepere meetpunt1 en het diepere meetpunt2).

| meetpunt1   | meetpunt2   | dz     | dh   |
|-------------|-------------|--------|------|
| 7-0091_1    | 7-0196_1    | 2.65   | 0.05 |
| 7-0352_1    | 7-0352_2    | 112.50 | 0.14 |
| 910/22/10_1 | 910/22/10_2 | 3.00   | 0.01 |
| 910/22/11_1 | 910/22/11_2 | 6.00   | 0.12 |
| 910/22/1_1  | 910/22/1_2  | 3.00   | 0.01 |
| 910/22/4_1  | 910/22/4_2  | 5.00   | 0.13 |
| 910/22/9a_2 | 910/22/9a_3 | 3.50   | 0.00 |
| 920/22/10_1 | 920/22/10_2 | 12.00  | 0.07 |
| 920/22/11_1 | 920/22/11_2 | 19.00  | 0.01 |
| 920/22/12_1 | 920/22/12_2 | 7.30   | 0.04 |
| 920/22/30_1 | 920/22/30_2 | 15.50  | 0.07 |
| 920/22/32_1 | 920/22/32_2 | 9.00   | 0.08 |
| 920/22/3_1  | 920/22/3_2  | 14.00  | 0.01 |
| 920/22/4_1  | 920/22/4_2  | 11.00  | 0.04 |
| 920/22/6_1  | 920/22/6_2  | 8.00   | 0.08 |
| 920/22/8_1  | 920/22/8_2  | 9.80   | 0.12 |
| 920/22/9_1  | 920/22/9_2  | 11.00  | 0.03 |
| MECP063_1   | MECP163_1   | 4.75   | 0.01 |
| N/22/9r_1   | N/22/9r_2   | 4.68   | 0.01 |

## 5 Discussie

Dit hoofdstuk plaatst de resultaten uit hoofdstuk 4 in het perspectief van de onderzoeksdoelen van deze analyse van mijnwaterstanden en grondwaterstanden binnen het project “Na-ijlende gevolgen van de voormalige steenkoolwinning in Zuid-Limburg”.

De analyse maakt gebruik van sterk data-gedreven methoden voor de waterstanden van de beschikbare meetpunten. De data-gedreven methoden maken geen expliciet gebruik van fysische relaties zoals de wet van Darcy die de grondwaterstroming ten gevolge van waterstandsverschillen beschrijft. Dit betekent dat de gevonden verbanden in principe alleen statische correlaties zijn. De kans is echter klein dat het toevallige losstaande veranderingen van de mijnwaterstanden en grondwaterstanden waren en het is voldoende duidelijk dat de onderzochte verbanden samenhangen met werkelijke fysische relaties. Zodoende geeft de data-gedreven aanpak geen beperkingen voor de betrouwbaarheid van de conclusies.

Het feit dat de analyse alleen voor meetpunten is uitgevoerd geeft meer beperkingen in het doen van uitspraken over het hele gebied ook tussen de meetpunten in. Door specifieke omstandigheden kunnen lokaal afwijkingen voorkomen. Dat is naar verwachting bij MWM04 (B60D3254) het geval is met betrekking tot het verschil tussen de mijnwaterstand in het Carboon en de grondwaterstand onderin het dekterrein. In het dekterrein is de dichtheid van de meetpunten groter en daardoor de kans op lokale afwijkingen kleiner. In het mijngebouw is de transmissiviteit van de mijnwerken zo groot dat de meetpunten van mijnwaterstanden een representatief beeld geven voor de hele betreffende concessie.

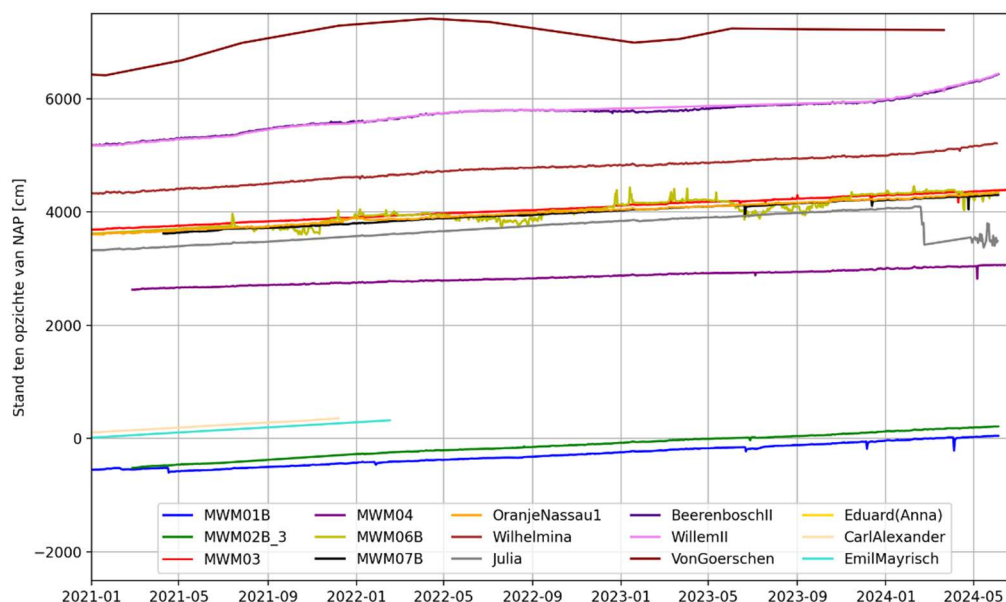
### 5.1 Stijging mijnwaterstanden

Uit de trends (paragraaf 4.2) en tijdreeksmodellen (paragraaf 4.1) blijkt dat de mijnwaterstand in alle waarnemingspunten nog steeds stijgt. De metingen sinds 2020 laten een stijging zien van 1.7 tot 7.5 meter per jaar. De grootste stijgingen zijn beïnvloed door de grotere grondwateraanvulling in de natte periode 2023-2024. Hierdoor is de stijging groter dan in de periode 2016-2020 en ook groter dan in de periode 2009-2022 zoals gerapporteerd door Buma e.a. (2023). Dit geldt voor Willem (B62E0345), Wilhelmina (B62B0416) en Von Goerschen (B62E1175). De andere meetpunten in het Carboon, die meer naar het westen liggen, vertonen geen toename van de stijging omdat de grondwateraanvulling die kennelijk minder direct beïnvloedt.

Dit algemene beeld is duidelijk, maar gedetailleerde analyse de stijging in sommige meetpunten wordt bemoeilijkt door onregelmatigheden in tijdreeksen waarvan het twijfelachtig is of ze samen hangen met daadwerkelijke veranderingen in die mijnwaterstand. Deze kunnen worden veroorzaakt door het uitvoeren van werkzaamheden zoals het uitlezen van de drukopnemers. Zo is er voor Schacht Julia een opvallende daling te zien in het begin van 2024 en voor MWM01B een kleinere sprong in april 2021. Er zijn ook tijdelijke verstoringen zoals in april 2024 bij MWM01B.

De reeks van schacht Oranje Nassau is de enige reeks zonder onregelmatigheden en zonder invloed van de recente natte omstandigheden. In deze reeks neemt de stijgende trend af (van 2.5 m/j voor 2016-2020 naar 2,1 m/j in de periode 2016-2023).

Al met al is er, ook na toevoeging van de recente meetgegevens aan de analyse, geen overtuigende, regionale afvlakking van de stijging van de mijnwaterstand waarneembaar sinds de vorige analyse met data tot 2022 (Buma e.a., 2023).

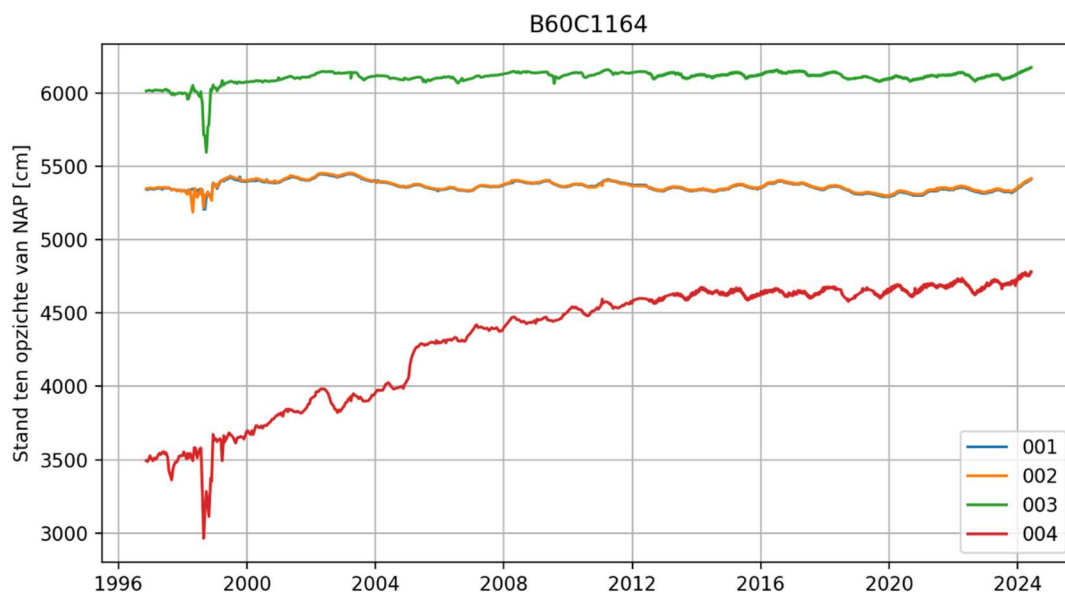


Figuur 30. Verloop mijnwaterstanden sinds 2021.

## 5.2 Stijging grondwaterstand dekterrein door stijgende mijnwaterstand

Uit de trends (paragraaf 4.2) en tijdreeksmodellen (paragraaf 4.1) blijkt dat in diepere delen van het dekterrein grondwaterstanden stijgen met de stijgende mijnwaterstand. Ondiep zijn er geen stijgingen geconstateerd die aan de stijging van de mijnwaterstand toegeschreven kunnen worden.

Dit wordt geïllustreerd door Figuur 31. Daarin is de stijghoogte in filter 1 (op 53 mNAP in de Formatie van Beegden) ongevoelig voor de stijging, terwijl in filter 4 (op -75 mNAP in de Formatie van Maastricht) een duidelijke stijging te zien is die waarschijnlijk samenhangt met de stijging van de mijnwaterstand. Filters 2 (op 48 mNAP in de Rupel Formatie van Houthem) is praktisch gelijk aan filter 2. Filter 3 (op 9 mNAP ook in de Formatie van Rupel) heeft een veel hogere waarde, maar ook geen trend. Tussen filter 2 en 3 bevindt zich de eerste kleiige eenheid van de Rupel Formatie met een dikte van veertig meter. Tussen filter 3 en 4 bevindt zich de hier negen meter dikke kleiige eenheid van het Laagpakket van Goudsberg in de Formatie van Tongeren. Die zorgt voor een grote hydraulische weerstand, die ervoor zorgt dat de trend in de bovenste filters niet meer te zien is. De hydraulische weerstand van de complexe eenheid van de Formatie van Vaals (van -160 tot -205 mNAP) maakt dat de trend in filter 4 veel minder is dan die van het mijnwater in het Carboon.



Figuur 31. Tijdlijnen van grondwaterstanden in de filters van B60C1164 bij Stein.

Vergelijkbaar gedrag is te zien bij andere putten met meerdere filters in het westelijk deel van het mijngebied, bijvoorbeeld B60C1131 en B60C1163.

De sterkste doorwerking van de stijging van de mijnwaterstand in het dekterrein treedt op bij MWM04. Hier is de stijging in filter 2 in het dekterrein zo'n 90% van de stijging van de mijnwaterstand. Samenhangend met de sterke doorwerking is ook de grondwaterstand erg laag voor een meetpunt in het dekterrein, zelfs lager dan de mijnwaterstand (de enige plek waar dit voorkomt).

Bij Figuur 31 kan ook opgemerkt worden dat de met name de tijdreeks voor het diepste filter onregelmatigheden bevat, waarvan het de vraag is of het betrouwbare metingen van de grondwaterstand zijn. Dit is het geval voor meer meetreeksen in het dekterrein – al is een deel van de overduidelijk foute meetwaarden uit de geanalyseerde reeksen verwijderd (zie hoofdstuk 3 en bijlage D en A). Daarom geldt de aanbeveling voor het verbeteren van de kwaliteitsborging voor de mijnwatermetingen uit paragraaf 5.1 ook voor de grondwaterstanden in het dekterrein.

## 5.3 Verticale stromingsrichting

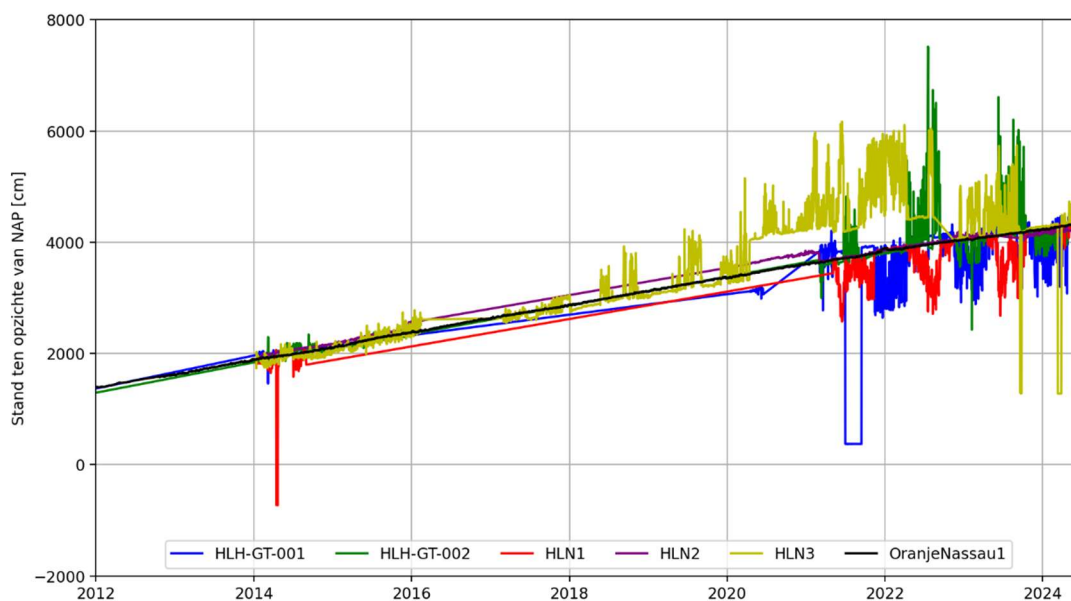
Uit de verticale stijghoogteverschillen (paragraaf 4.3) blijkt dat in alle mijnwatermeetpunten met bijbehorende de filters in het dekterrein sprake is van neerwaartse stroming. De uitzondering is MWM04 (B60D3254), waar het onderste meetpunt in dekterrein (filter 2) een wat lagere grondwaterstand heeft dan de mijnwaterstand (filter 3). De stijghoogten in deze twee filters zijn allebei veel lager dan de grondwaterstand in het ondiepste filter (filter 1).

Overigens is het mogelijk dat bij grondwateronttrekkingen in het dekterrein lokaal lagere grondwaterstanden voorkomen, die zo laag zijn dat ter plaatse ook nu al een opwaartse gradiënt kan voorkomen (Buma e.a., 2023).



Omgekeerd zou ook de injectie door Mijwater B.V. in het Carboon voor overdrukken in het Carboon ten opzichte van het dekterrein kunnen zorgen. De activiteiten hebben weliswaar ruimtelijk een dusdanig beperkte invloed dat ze niet zichtbaar zijn in het verloop van de mijnwaterstand bij schacht Oranje Nassau I dat zich in hetzelfde bassin bevindt (Figuur 32).

De meetreeksen van de putten van Mijwater B.V. laten fluctuaties zien van 10 tot 20 meter zien. Dit zijn tijdelijke fluctuaties, deze reeksen volgen verder de trend van Oranje Nassau I. De stijging in combinatie met de fluctuaties maken dat tijdelijk lokaal overdruk in het mijnwater kan ontstaan ten opzichte van de grondwaterstand in het dekterrein.



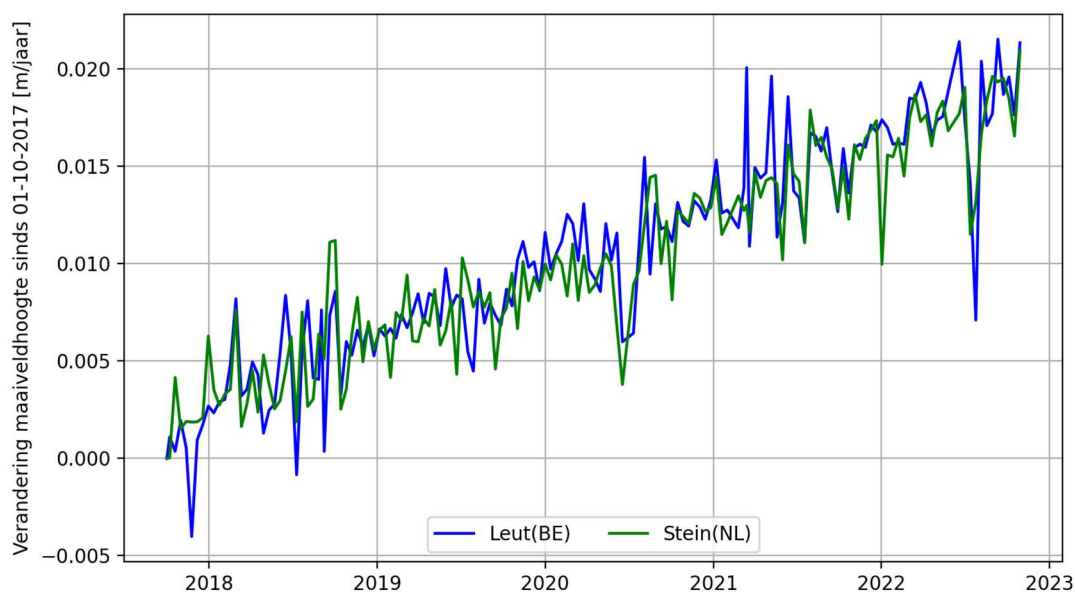
Figuur 32. Mijnwaterstanden binnen gebied Mijwater B.V..

In het bovenste deel van het dekterrein komen opwaartse gradiënten voor, afhankelijk van de hydrogeologische opbouw die verschilt per breukblok en het grondwaterstromings-systeem. Zo is er kwel in het Maasdal en lokaal naar bijvoorbeeld de Geleenbeek. De opwaartse gradiënten komen vooral tot uiting in verticale stijghoogte verschillen over scheidende lagen met grote weerstand zoals de Goudsbergklei (Laagpakket van Goudsberg in de Formatie van Tongeren met REGIS-II-code TOGOk1) en de eerste kleiige eenheid binnen de Rupel Formatie (REGIS-II-code RUK1).

In België is bij alle putten met meerdere filters sprake van infiltratie, maar er is te weinig verschil in filterdiepten en ook te weinig stijghoogteverschil om uitspraken te doen over verticale stromingsrichtingen richting Carboon.

## 5.4 Inzicht mijnwaterstanden in België

Maaiveldbeweging wordt met behulp van satellieten geregistreerd met radarinterferometrie (InSAR). Deze informatie laat eenzelfde bodemstijging zien ter weerszijden van de Maas, in het gebied van de Nederlandse concessie Maurits en de voormalige mijngebieden ten westen van de Maas in België (Figuur 33).



Figuur 33. Maaiveldbeweging ten westen van de Maas in België en aan de oostkant bij Stein.

Dit suggereert dat de stijghoogten aan beide zijden van de Maas eenzelfde verloop kennen. Aan de Nederlandse zijde is er inzicht in de toename van de mijnwaterstand, de toename van de grondwaterstand onderin het dekterrein en ontbreken van een trend in de grondwaterstand bovenin het dekterrein.

Aan de Belgische zijde is er alleen informatie over het ontbreken van trends bovenin het dekterrein, zodat niet duidelijk is in hoeverre er verschillen bestaan in de verdeling van de stijghoogtetoeename in de diepere ondergrond ten opzichte van Nederland.

De beschikbare InSAR-informatie in België suggereert eenzelfde mijnwaterstijging ten westen van de Maas als in de concessie Maurits (met meetpunt MWM01). Informatie over het optreden van eventuele verschillen in stijging van mijnwaterstanden en grondwaterstanden onderin het dekterrein zou inzicht geven in de stromingssituatie. Die kan ook antwoord bieden op vragen in hoeverre er hydraulische connectie in het Carboon is en of de Belgische en Nederlandse toename van mijnwaterstanden onafhankelijk van elkaar optreden door toestroom vanuit het dekterrein.

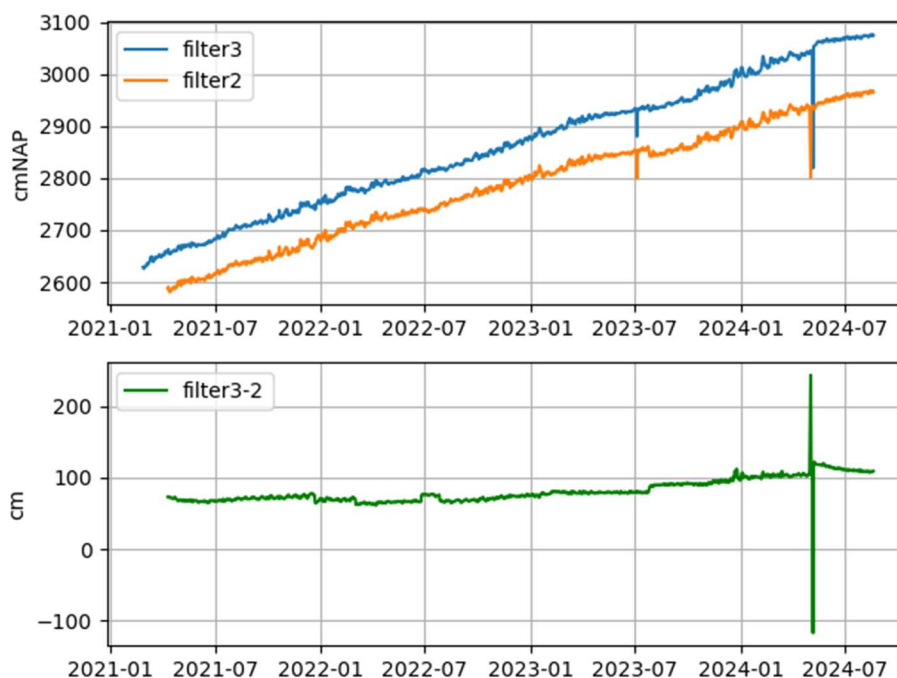
## 5.5 Situatie bij MWM04

De waarnemingen van MWM04 en speciaal filter 2 verdienen nadere aandacht. Hier treedt de grootste doorwerking op van de mijnwaterstijging en bovendien is dit filter het enige met een grondwaterstand, die lager is dan de mijnwaterstand.

Het filter 2 bevindt zich in een 27 meter dik kalksteen pakket (Formaties van Houthem en Maastricht) waarboven zich ruim 90 meter klei met slechts enkele dunne zandlagen (Formaties van Tongeren en Rupel) bevindt. Deze klei belemmert de verticale toestrooming naar het kalksteen pakket. Wellicht is ook de laterale toestrooming via het kalksteenpakket te gering om de grondwaterstand bij filter 2 sneller te doen stijgen dan de mijnwaterstand bij filter 3. In het Carboon is de toestrooming naar filter 3 kennelijk groter (in relatie tot de

bergingscoëfficiënt) dan bij filter 2. Wellicht dat dit samenhangt met de sterke toestroming van water die tijdens het mijnen optrad bij Douvergenhout (de Man, 1988), dat in de buurt van MWM04 ligt. Die toestroming duidt op een makkelijke uitwisseling tussen grondwater en mijnwater op die plek.

Voor MWM04 (B60D3254) is het verder goed om op te merken dat het verschil tussen de mijnwaterstand en grondwaterstand een grillig verloop en een trendbreuk die vraagtekens zetten bij de kwaliteit van de meetwaarden (Figuur 34).



Figuur 34. Grondwaterstanden voor filter 2 en 3 van MWM04 (B60D3254) en het verschil.

## 5.6 Kwaliteitsborging metingen

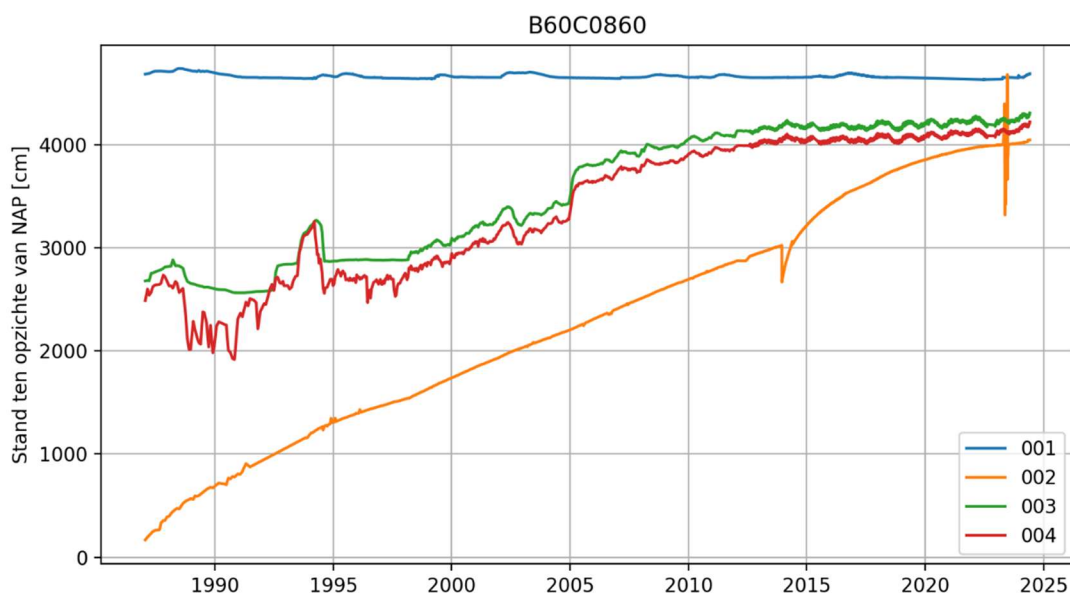
Bij de analyse zijn voor diverse reeksen waarden gevonden, waarover twijfel is of alle waarden de opgetreden mijnwaterstand (paragraaf 5.1) of grondwaterstand (paragraaf 5.2) van het betreffende moment weergeven of dat ze beter genegeerd kunnen worden. Het gaat onder meer om pieken, sprongen en trendveranderingen (zie bijvoorbeeld Figuur 6, Figuur 8, Figuur 9, Figuur 31 en Figuur 34).

Verder zijn er twee bijzondere gevallen waar mogelijk sprake is van een zogenaamde “filterverwisseling”, waarbij meetreeksen aan verkeerde filters zijn gekoppeld. Dit betreft de putten:

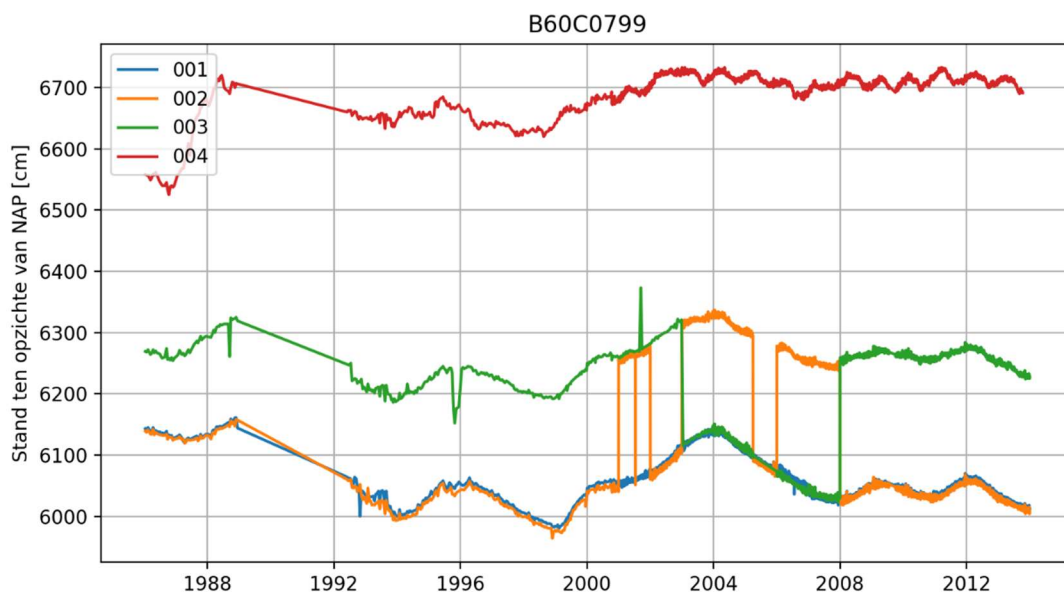
- B60C0860 bij Stein (Figuur 35) en
- B60C0799 bij Puth (Figuur 36).

Bij B60C0860 (Figuur 35) zijn vier lijnen te zien die van boven naar beneden een steeds sterkere stijgende trend laten zien. Met de analyse uit paragraaf 5.2, ligt het voor de hand dat de lijnen van onder naar boven dan ook gekoppeld zijn aan filters die steeds verder

boven het Carboon liggen zodat de trend van het mijnwater door de weerstandslagen uitgedempt wordt en in bij filter 1 (de blauwe lijn) in de Formatie van Beegden geheel verdwenen is (vergelijk Figuur 31 en bijvoorbeeld B60C1131 en B60C1163 in Bijlage C). Het gebrek aan variabiliteit van filter 1 kan verklaard worden door de grote transmissiviteit van dit freatische watervoerend pakket en de nabijheid van oppervlaktewater of drainage. De nummering van de filters is echter ook de volgorde van de diepte van de filters. Dat zou suggereren dat de oranje lijn met de sterkste trend niet het dichtst boven het Carboon ligt, maar de rode lijn die meer seizoensfluctuatie heeft. Dat de oranje lijn met de laagste grondwaterstanden gemeten zou zijn op een diepte tussen de blauwe en groene lijnen in, is bovendien hydrologisch alleen mogelijk als er op de diepte van het filter van de oranje lijn een onttrekking aanwezig is die zorgt voor verlaging tussen de boven- en ondergelegen lagen in. Het is echter niet mogelijk om te verifiëren dat de peilbuizen inderdaad verkeerd genummerd zijn door de diepte te peilen, omdat er rond 60 meter diepte een obstructie in de buis zit.



Figuur 35. Grondwaterstanden voor de filters van waarnemingsput B60C0860 bij Stein.



Figuur 36. Grondwaterstanden voor de filters van waarnemingsput B60C0799 bij Puth.

De situatie bij waarnemingsput B60C0799 is wat anders. Hierbij lijken er alleen tijdelijke verwisselingen te zijn tussen filter 2 en 3. Bij een fysische oorzaak (zoals een tijdelijke onttrekking ter hoogte van filter 3 met de groene lijn) mag verwacht worden dat de sprongen niet zo abrupt optreden, maar dat de reactie van de grondwaterstand enige tijd vraagt. De verdenking van een filterverwisseling wordt bovendien versterkt doordat de sprongen steeds optreden tussen de niveaus van twee filters.

Het verdient aanbeveling om uitsluitsel te verkrijgen of er inderdaad sprake is van filterverwisselingen en als dat niet het geval blijkt te onderzoeken waardoor deze onregelmatigheden zijn opgetreden. Dit kan ook consequenties hebben voor het grondwatermodel als de betreffende gegevens gebruikt worden voor kalibratie ervan.

Verder is er bij het veldwerk voor de meting van temperaturen geconstateerd dat bij de diepe putten weerstand tussen de kabel en de binnenkant van de buis optreedt. Dat is voelbaar bij het uitnemen. Daardoor zakken de sensoren misschien niet helemaal naar beneden bij het terugplaatsen.

In het algemeen is het uitnemen van een drukopnemer een aandachtspunt bij de verwerking van de data. Als de druk opnemer nog een druk registreert, nadat begonnen is deze op te halen, geeft deze druk niet de mijnwaterstand of grondwaterstand weer en moet deze druk verwijderd worden.

Nu zijn bij 47 tijdreeksen individuele waarden verwijderd, waarvan duidelijk was dat ze geen meting van de waterstand weergeven of een tijdelijk gedrag vertonen dat niet samen kan hangen met het stijgend mijnwater. Voorbeelden zijn te vinden in Bijlage D (in vergelijking met Bijlage B) zoals respectievelijk de waarde nul in de reeks van meetpunt B60C1131002 (die verder rond de 35 meter is) en de tijdelijke verhogingen met ongeveer 20 meter in 2015 bij B62B0854001. 28 van de gecorrigeerde reeksen zijn aangeleverd door de provincie Limburg, waarbij was aangegeven dat de meetwaarden van het laatste jaar niet gevalideerd waren. Verder zijn er 15 reeksen van DINoloket en 4 van het portaal van Noordrijn-Westfalen (NRW) gecorrigeerd.

Met meer informatie over het meetpunt en het meetproces kunnen zulke correcties beter uitgevoerd worden, wat ook meer bruikbare metingen oplevert. Door deze bevindingen vast te leggen (liefst in de betreffende database) wordt voorkomen dat dezelfde evaluatie in te toekomst herhaald moet worden.

Bij de 559 reeksen, die niet gebruikt zijn voor de analyse (Bijlage E), speelden vreemde waarden en onverwachte sprongen ook een rol, al was de geringe lengte van reeksen de voornaamste reden voor het uitsluiten. 28 van de verwijderde reeksen waren afkomstig van de provincie Limburg, 341 van DINOloket, 16 van het Vlaamse portaal voor ondergrond informatie (DOV) en 185 van NRW.

Zo valt de kwaliteitsborging uiteen in controle en onderhoud van de meetopstellingen en beoordeling van de geregistreerde metingen. Het lijkt er op dat beide verbeterd kunnen worden. Dat zal de betrouwbaarheid van de meetgegevens vergroten samen met alle analyses die er op gebaseerd worden.

## 6 Conclusies en aanbevelingen

### 6.1 Conclusies

De hier gerapporteerde analyse van mijnwaterstanden en grondwaterstanden tot 2024 laat weinig veranderingen zien sinds de vorige analyse uit 2022 (Buma e.a., 2023). Met inbegrip van de recente meetgegevens is er nog steeds geen overtuigende, regionale afvlakking van de stijging van de mijnwaterstanden waarneembaar. Er is dus vanuit de metingen nog geen aanwijzing voor het naderen van een uiteindelijke evenwichtsstand en de hoogte daarvan. Toekomstprojecties en risicoanalyses, samenhangend met de mijnwaterstanden, worden separaat onderzocht en maken geen deel uit van dit rapport.

Bij de analyse zijn onregelmatigheden in meetreeksen van de mijnwaterstanden en grondwaterstanden geconstateerd, waarvan de oorzaak onduidelijk is. Meer aandacht voor kwaliteitsborging van de metingen verbetert toekomstige analyses en voorkomt dat beoordelingen en correcties uit deze analyse opnieuw gedaan moeten worden.

In het gebied van de concessie Maurits nemen ook de grondwaterstanden onderin het dekterrein toe onder invloed van de stijging van de mijnwaterstanden. Dit is te zien in filters onder scheidende lagen als de Goudsbergklei (Laagpakket van Goudsberg in de Formatie van Tongeren) en de eerste kleiige eenheid in de Rupel Formatie.

Ten noordoosten van de Feldbissbreuk, in de Roerdalslenk, zijn daarentegen dalende trends te zien in het dekterrein.

Bovenin het dekterrein is geen invloed van de stijgende mijnwaterstanden op de grondwaterstand te zien. Dit betekent ook dat er geen aanwijzingen zijn voor stijging van de freatische grondwaterspiegel ten gevolge van de toename van de mijnwaterstanden.

De metingen laten nog steeds overal een neerwaartse stroming zien vanuit het dekterrein naar het mijngebouw in het Carboon. Uitzondering is het meetpunt MWM04 (b60D3254) waar het middelste filter onderin het dekterrein (filter 2) een iets lager stijghoogte heeft dan het onderste filter in het Carboon (filter 3). Omdat beide veel lager zijn dan het ondiepe meetpunt (filter 1) vormt de Goudsbergklei hier mogelijk de scheiding tussen het mijnwatersysteem en het grondwatersysteem in dekterrein in plaats van de bovenkant van het Carboon zoals elders het geval is.

Naast de neerwaartse stroming onderin het dekterrein, komt ondieper in het dekterrein opwaartse stroming voor onder invloed van de Maas en in beekdalen. Laterale toestroming uit het oosten zorgt er hier voor dat de grondwaterstanden midden in het dekterrein hoger zijn dan de ondiepe grondwaterstanden, die door het oppervlaktewater worden beïnvloed, en ook hoger dan de mijnwaterstanden.



De informatie over bodemstijging in combinatie met Belgische grondwaterstanden suggereert dat de Belgische mijnwaterstanden ook nog stijgen, maar maakt het niet mogelijk om verschillen met de Nederlandse mijnwaterstanden te bepalen.

## 6.2 Aanbevelingen

Net als de voorgaande analyse van de mijnwaterstanden uit 2022 (Buma e.a. 2023) is deze analyse alleen gebaseerd op data van meetpunten, waarin niet alle grote variaties in opbouw van de ondergrond en lokale invloeden (zoals landgebruik, grondwateronttrekkingen, oppervlaktewater) tot uiting komen. In de analyse zijn mogelijke invloeden en verbanden aangegeven, maar deze zijn niet goed geverifieerd. Verder werd de analyse beperkt door onregelmatigheden in de metingen van mijnwaterstanden en grondwaterstanden. In het licht hiervan wordt aanbevolen om:

1. Over twee jaar de stijghoogtegegevens opnieuw te evalueren (in plaats van jaarlijks zoals aanbevolen in de vorige analyse uit 2022 (Buma e.a., 2023)).
2. De kwaliteitsborging van de stijghoogtemetingen te verbeteren. Dit betreft zowel de activiteiten in het veld als de verwerking van de gegevens.
3. Te controleren of de inzichten en veronderstellingen uit deze analyse consistent zijn met resultaten van het grondwatermodel van het Limburgse mijngebied dat wordt gemaakt in opdracht van de provincie Limburg. Dit geldt voor bijvoorbeeld de doorwerking van de mijnwaterstijging in het dekterrein en de invloed van neerslag en verdamping op de oostelijke mijnwaterstanden.
4. Bij deze grondwatermodellering de lokale situatie bij de filters 2 en 3 van MWM04 (B60D3254) nader te bekijken, te bepalen hoe ver de invloed van deze lokale afwijking reikt en te onderzoeken welke risico's daarmee samenhangen.
5. De stijging van de Belgische mijnwaterstanden nader te analyseren.
6. De bevindingen uit de simulaties met het grondwatermodel voor het Limburgse mijngebied samen met de overige onderzoeken (waterkwaliteit, datering, temperaturen) te combineren om de inzichten in het hele watersysteem te vergroten en de daarmee samenhangende risico's van het stijgend mijnwater beter te kunnen inschatten.

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# Ondertekening

TNO › Energy & Materials Transition › Utrecht, 18 juli 2025



N.H. Zornig  
Research Manager AGE



Willem Jan Zaadnoordijk  
Auteur

## Bijlage A

# Overzicht meetpunten

| naam     | xCoor  | yCoor  | mvNAP  | BKfilt  | OKfilt  | datum1     | laatste    | aantal | laatste dt [d] | bron |
|----------|--------|--------|--------|---------|---------|------------|------------|--------|----------------|------|
| 10000010 | 202486 | 326014 | -99.99 | 77.31   | 73.31   | 06/11/1950 | 28/10/1968 | 939    | 7              | NRW  |
| 10000082 | 204471 | 319738 | -99.99 | 107.49  | 107.49  | 22/07/1946 | 25/03/2024 | 3580   | 28             | NRW  |
| 10000094 | 202425 | 313319 | -99.99 | 173.51  | 173.51  | 06/11/1950 | 26/10/1981 | 1617   | 7              | NRW  |
| 10000112 | 200282 | 309074 | -99.99 | 195.37  | 195.37  | 29/09/1946 | 25/03/2024 | 4773   | 27             | NRW  |
| 10100015 | 205473 | 328443 | -99.99 | 81.65   | 79.65   | 06/11/1950 | 13/10/2023 | 1450   | 184            | NRW  |
| 10200265 | 196037 | 335381 | -99.99 | 52.04   | 52.04   | 05/11/1951 | 30/03/1959 | 387    | 7              | NRW  |
| 10200654 | 208554 | 318055 | -99.99 | 134.55  | 132.55  | 01/11/1954 | 27/10/1980 | 1360   | 7              | NRW  |
| 10200666 | 203543 | 331124 | -99.99 | 63.50   | 61.50   | 03/11/1952 | 20/03/2000 | 2471   | 7              | NRW  |
| 10200824 | 208234 | 322863 | -99.99 | 111.06  | 111.06  | 03/11/1958 | 28/10/1968 | 522    | 7              | NRW  |
| 10200848 | 205643 | 324051 | -99.99 | 91.19   | 89.69   | 03/11/1958 | 27/10/1986 | 1461   | 7              | NRW  |
| 10201518 | 202702 | 326377 | -99.99 | 62.95   | 57.95   | 02/11/1981 | 25/03/2024 | 1231   | 28             | NRW  |
| 10202687 | 200934 | 328179 | -99.99 | -136.13 | -142.13 | 01/01/1990 | 25/03/2024 | 448    | 28             | NRW  |
| 10202699 | 200934 | 328179 | -99.99 | -85.13  | -91.13  | 01/01/1990 | 25/03/2024 | 448    | 28             | NRW  |
| 10202705 | 200933 | 328176 | -99.99 | -24.14  | -30.14  | 01/01/1990 | 25/03/2024 | 446    | 28             | NRW  |
| 10202717 | 200933 | 328176 | -99.99 | 17.86   | 11.86   | 01/01/1990 | 25/03/2024 | 444    | 28             | NRW  |
| 10202808 | 207503 | 319653 | -99.99 | 115.86  | 104.86  | 07/01/1991 | 28/03/2024 | 436    | 3              | NRW  |
| 10202810 | 205682 | 324486 | -99.99 | 97.26   | 81.26   | 07/01/1991 | 28/03/2024 | 433    | 3              | NRW  |
| 10202869 | 204424 | 325138 | -99.99 | 78.05   | 78.05   | 05/05/1986 | 29/10/2012 | 318    | 35             | NRW  |
| 10202870 | 204374 | 325125 | -99.99 | 78.44   | 78.44   | 05/05/1986 | 29/10/2012 | 318    | 35             | NRW  |
| 10202882 | 204300 | 325124 | -99.99 | 74.47   | 74.47   | 05/05/1986 | 29/10/2012 | 317    | 35             | NRW  |
| 10202894 | 204234 | 325153 | -99.99 | 74.22   | 74.22   | 05/05/1986 | 29/10/2012 | 318    | 35             | NRW  |
| 10202973 | 191626 | 334325 | -99.99 | 17.51   | 11.51   | 03/11/1986 | 29/10/2012 | 307    | 35             | NRW  |
| 10202985 | 190815 | 332097 | -99.99 | 3.53    | -1.47   | 03/11/1986 | 02/11/2021 | 327    | 201            | NRW  |
| 10202997 | 204684 | 325737 | -99.99 | 80.53   | 77.53   | 03/11/1986 | 25/03/2024 | 448    | 28             | NRW  |
| 10203000 | 204737 | 327011 | -99.99 | 69.31   | 66.31   | 03/11/1986 | 15/10/2017 | 318    | 183            | NRW  |
| 10203011 | 206471 | 330239 | -99.99 | 60.83   | 57.83   | 03/11/1986 | 29/10/2018 | 381    | 35             | NRW  |
| 10203175 | 199706 | 317368 | -99.99 | 165.30  | 159.30  | 07/11/1988 | 26/08/1996 | 76     | 28             | NRW  |
| 10203187 | 200257 | 314292 | -99.99 | 177.11  | 170.11  | 13/12/1988 | 13/10/2023 | 375    | 184            | NRW  |
| 10203199 | 202825 | 315019 | -99.99 | 160.60  | 157.60  | 07/11/1988 | 13/10/2023 | 378    | 184            | NRW  |
| 10203205 | 203167 | 316970 | -99.99 | 155.97  | 152.97  | 07/11/1988 | 15/10/2017 | 258    | 183            | NRW  |
| 10203412 | 199087 | 329496 | -99.99 | 83.77   | 80.77   | 01/06/1992 | 29/05/1995 | 146    | 7              | NRW  |
| 10203424 | 199087 | 329496 | -99.99 | 67.70   | 37.70   | 01/06/1992 | 15/10/2019 | 245    | 183            | NRW  |
| 10203588 | 199544 | 330875 | -99.99 | 70.09   | 62.09   | 03/06/1996 | 25/03/2024 | 343    | 28             | NRW  |
| 10203758 | 201580 | 312871 | -99.99 | 176.01  | 168.01  | 17/05/2000 | 15/10/2007 | 13     | 175            | NRW  |
| 10203760 | 200930 | 327868 | -99.99 | 72.38   | 56.38   | 30/11/2000 | 28/09/2015 | 3774   | 1469           | NRW  |
| 10203837 | 204463 | 323953 | -99.99 | 98.56   | 96.56   | 09/06/1994 | 25/03/2024 | 354    | 28             | NRW  |
| 10203849 | 204463 | 323953 | -99.99 | 71.80   | 69.80   | 09/06/1994 | 25/03/2024 | 358    | 28             | NRW  |

| naam     | xCoor  | yCoor  | mvNAP  | BKfilt | OKfilt | datum1     | laatste    | aantal | laatste dt [d] | bron |
|----------|--------|--------|--------|--------|--------|------------|------------|--------|----------------|------|
| 10203862 | 206648 | 318502 | -99.99 | 152.86 | 147.86 | 27/12/2004 | 19/04/2021 | 174    | 181            | NRW  |
| 10205007 | 195892 | 335407 | -99.99 | 50.69  | 50.69  | 07/11/1960 | 28/03/2024 | 1649   | 7              | NRW  |
| 10205068 | 201523 | 328846 | -99.99 | 68.37  | 66.37  | 18/03/1953 | 18/10/1982 | 545    | 14             | NRW  |
| 10205100 | 202632 | 331376 | -99.99 | 52.03  | 50.03  | 28/04/1953 | 26/10/1970 | 150    | 7              | NRW  |
| 10205135 | 204372 | 328990 | -99.99 | 58.66  | 56.66  | 19/03/1953 | 19/10/1987 | 519    | 14             | NRW  |
| 10205214 | 203287 | 330191 | -99.99 | 54.58  | 52.58  | 06/03/1953 | 12/12/1954 | 65     | 9              | NRW  |
| 10205226 | 205874 | 329853 | -99.99 | 58.36  | 56.36  | 19/02/1953 | 08/12/1954 | 75     | 5              | NRW  |
| 10205238 | 205274 | 328678 | -99.99 | 59.46  | 57.46  | 06/03/1953 | 09/12/1954 | 72     | 5              | NRW  |
| 10205240 | 200574 | 327498 | -99.99 | 68.06  | 66.06  | 26/03/1953 | 08/12/1954 | 72     | 5              | NRW  |
| 10205251 | 204635 | 326833 | -99.99 | 66.86  | 64.86  | 26/02/1953 | 09/12/1954 | 73     | 6              | NRW  |
| 10205275 | 203029 | 328694 | -99.99 | 61.56  | 59.56  | 10/03/1953 | 07/12/1954 | 72     | 4              | NRW  |
| 10300090 | 205824 | 315601 | -99.99 | 125.07 | 122.07 | 14/02/1995 | 31/07/1995 | 23     | 7              | NRW  |
| 10300144 | 204213 | 317425 | -99.99 | 156.10 | 156.10 | 06/11/1950 | 28/10/2013 | 3235   | 28             | NRW  |
| 10300223 | 203735 | 315109 | -99.99 | 161.86 | 147.86 | 09/09/2007 | 27/10/2009 | 7      | 199            | NRW  |
| 10300351 | 194148 | 333733 | -99.99 | 48.43  | 48.43  | 03/11/1975 | 27/02/2024 | 2078   | 28             | NRW  |
| 10300363 | 189618 | 337250 | -99.99 | 34.82  | 34.82  | 03/11/1975 | 25/03/2024 | 2079   | 28             | NRW  |
| 10300387 | 193470 | 336802 | -99.99 | 44.67  | 44.67  | 03/11/1975 | 25/05/2020 | 2024   | 28             | NRW  |
| 10300521 | 201547 | 309791 | -99.99 | 173.32 | 171.32 | 06/11/1978 | 29/10/2012 | 717    | 35             | NRW  |
| 10300533 | 201573 | 309290 | -99.99 | 189.57 | 187.57 | 06/11/1978 | 02/02/2024 | 1797   | 1              | NRW  |
| 10300545 | 201388 | 309084 | -99.99 | 207.50 | 205.50 | 06/11/1978 | 29/10/1979 | 52     | 7              | NRW  |
| 10300557 | 201279 | 309596 | -99.99 | 180.29 | 178.29 | 06/11/1978 | 15/10/2017 | 749    | 183            | NRW  |
| 10300569 | 200935 | 309760 | -99.99 | 179.97 | 177.97 | 06/11/1978 | 15/10/2017 | 753    | 183            | NRW  |
| 10300570 | 201004 | 310280 | -99.99 | 178.40 | 176.40 | 06/11/1978 | 13/10/2023 | 872    | 184            | NRW  |
| 10300582 | 201934 | 311325 | -99.99 | 173.25 | 171.25 | 06/11/1978 | 06/07/1998 | 636    | 28             | NRW  |
| 10300594 | 202001 | 311686 | -99.99 | 170.41 | 168.41 | 06/11/1978 | 13/10/2023 | 829    | 184            | NRW  |
| 10300600 | 201991 | 311198 | -99.99 | 174.36 | 172.36 | 06/11/1978 | 12/03/2001 | 655    | 91             | NRW  |
| 10300612 | 201855 | 311220 | -99.99 | 176.44 | 174.44 | 06/11/1978 | 25/07/2011 | 755    | 28             | NRW  |
| 10301240 | 206090 | 318106 | -99.99 | 131.12 | 119.12 | 15/04/1989 | 12/11/2020 | 60     | 190            | NRW  |
| 10301252 | 206090 | 318105 | -99.99 | 146.93 | 142.93 | 15/04/1989 | 12/11/2020 | 84     | 190            | NRW  |
| 10301264 | 205036 | 318909 | -99.99 | 113.96 | 99.96  | 15/04/1989 | 13/11/2020 | 59     | 191            | NRW  |
| 10301276 | 205265 | 318887 | -99.99 | nan    | nan    | 15/10/1985 | 13/11/2020 | 65     | 191            | NRW  |
| 10301288 | 205080 | 318752 | -99.99 | 116.09 | 104.59 | 15/10/1985 | 13/11/2020 | 66     | 191            | NRW  |
| 10301290 | 205142 | 318478 | -99.99 | 113.77 | 105.77 | 15/10/1985 | 13/11/2020 | 64     | 191            | NRW  |
| 10301306 | 205187 | 318807 | -99.99 | 113.46 | 103.46 | 15/10/1985 | 13/11/2020 | 64     | 191            | NRW  |
| 10301318 | 200096 | 329595 | -99.99 | 67.84  | 65.84  | 07/11/1983 | 28/10/1985 | 104    | 7              | NRW  |
| 10301458 | 199360 | 329434 | -99.99 | 66.02  | 55.02  | 06/11/1990 | 15/01/2012 | 4      | 357            | NRW  |
| 10301550 | 204219 | 321294 | -99.99 | 95.62  | 83.62  | 15/10/1984 | 15/10/1990 | 13     | 183            | NRW  |
| 10301562 | 204319 | 321299 | -99.99 | 97.00  | 85.00  | 15/10/1984 | 15/04/2012 | 58     | 183            | NRW  |
| 10301732 | 207130 | 321694 | -99.99 | 140.16 | 110.16 | 17/06/2011 | 07/09/2015 | 9      | 398            | NRW  |
| 10301938 | 207298 | 321467 | -99.99 | 118.04 | 116.04 | 15/10/1986 | 15/03/2015 | 65     | 222            | NRW  |
| 10301940 | 207052 | 321672 | -99.99 | nan    | nan    | 15/10/1986 | 28/10/2015 | 63     | 51             | NRW  |
| 10301951 | 207263 | 321732 | -99.99 | 117.76 | 115.76 | 15/10/1986 | 28/10/2015 | 68     | 51             | NRW  |
| 10302049 | 200823 | 313220 | -99.99 | 182.61 | 172.61 | 04/05/1987 | 15/04/2017 | 167    | 182            | NRW  |
| 10302050 | 200955 | 313120 | -99.99 | 186.32 | 176.32 | 04/05/1987 | 15/04/2018 | 179    | 182            | NRW  |

| naam     | xCoor  | yCoor  | mvNAP  | BKfilt | OKfilt | datum1     | laatste    | aantal | laatste dt [d] | bron |
|----------|--------|--------|--------|--------|--------|------------|------------|--------|----------------|------|
| 10302062 | 200696 | 312988 | -99.99 | 181.23 | 171.23 | 04/05/1987 | 15/04/2018 | 169    | 182            | NRW  |
| 10302876 | 207568 | 315119 | -99.99 | 185.69 | 183.69 | 06/09/1988 | 09/09/1998 | 4      | 3549           | NRW  |
| 10302888 | 207442 | 315357 | -99.99 | 184.41 | 182.41 | 06/09/1988 | 09/09/1998 | 4      | 3549           | NRW  |
| 10302920 | 206560 | 329139 | -99.99 | 82.04  | 72.04  | 15/04/1989 | 15/10/2017 | 57     | 183            | NRW  |
| 10302931 | 206428 | 329458 | -99.99 | 66.70  | 56.70  | 15/04/1989 | 15/04/2018 | 62     | 182            | NRW  |
| 10303790 | 203717 | 315740 | -99.99 | 158.77 | 147.27 | 07/06/1990 | 04/06/1991 | 2      | 362            | NRW  |
| 10303807 | 203354 | 315698 | -99.99 | 155.70 | 132.70 | 07/06/1990 | 04/06/1991 | 2      | 362            | NRW  |
| 10303819 | 203779 | 315212 | -99.99 | 164.35 | 147.35 | 07/06/1990 | 04/06/1991 | 2      | 362            | NRW  |
| 10303820 | 203715 | 315958 | -99.99 | 168.09 | 149.09 | 07/06/1990 | 01/06/1993 | 3      | 728            | NRW  |
| 10303832 | 203329 | 314943 | -99.99 | 164.90 | 147.40 | 04/06/1991 | 01/06/1993 | 3      | 707            | NRW  |
| 10303844 | 203432 | 315829 | -99.99 | 155.00 | 137.00 | 04/06/1991 | 01/06/1993 | 3      | 707            | NRW  |
| 10303856 | 203185 | 315837 | -99.99 | 152.89 | 134.89 | 04/06/1991 | 01/06/1993 | 3      | 707            | NRW  |
| 10304526 | 203191 | 315562 | -99.99 | 158.85 | 151.85 | 07/06/1993 | 15/04/2012 | 40     | 183            | NRW  |
| 10304770 | 200739 | 310694 | -99.99 | 182.02 | 178.22 | 06/06/1994 | 10/06/1994 | 2      | 4              | NRW  |
| 10304782 | 200905 | 311064 | -99.99 | 179.73 | 175.73 | 26/05/1994 | 17/11/2008 | 8      | 181            | NRW  |
| 10304794 | 201080 | 310454 | -99.99 | 183.77 | 179.97 | 10/06/1994 | 17/11/2008 | 7      | 181            | NRW  |
| 10305063 | 208087 | 316477 | -99.99 | 162.17 | 154.17 | 15/10/1995 | 15/04/2012 | 34     | 183            | NRW  |
| 10305075 | 203884 | 326083 | -99.99 | 67.50  | 56.50  | 03/05/1993 | 03/11/2008 | 175    | 28             | NRW  |
| 10305087 | 203804 | 326229 | -99.99 | 73.98  | 61.98  | 03/05/1993 | 24/04/2000 | 82     | 28             | NRW  |
| 10305178 | 198799 | 329738 | -99.99 | 60.33  | 52.33  | 03/10/1994 | 15/04/2018 | 49     | 182            | NRW  |
| 10305180 | 198784 | 330037 | -99.99 | 51.45  | 43.45  | 03/10/1994 | 07/05/2007 | 29     | 172            | NRW  |
| 10305191 | 199078 | 329995 | -99.99 | 56.44  | 48.44  | 03/10/1994 | 15/04/2018 | 52     | 182            | NRW  |
| 10305257 | 206509 | 329368 | -99.99 | 52.11  | 46.11  | 01/04/1996 | 15/04/2018 | 48     | 182            | NRW  |
| 10305269 | 206298 | 329402 | -99.99 | 45.03  | 38.03  | 01/04/1996 | 15/04/2018 | 48     | 182            | NRW  |
| 10305270 | 206298 | 329402 | -99.99 | 56.04  | 54.04  | 07/10/1996 | 21/04/2003 | 15     | 371            | NRW  |
| 10305282 | 206298 | 329402 | -99.99 | 76.02  | 74.02  | 07/10/1996 | 15/10/2000 | 11     | 183            | NRW  |
| 10305294 | 206003 | 328864 | -99.99 | 68.51  | 54.51  | 01/04/1996 | 15/04/2018 | 48     | 182            | NRW  |
| 10305300 | 206081 | 329015 | -99.99 | 55.19  | 43.19  | 01/04/1996 | 15/04/2018 | 48     | 182            | NRW  |
| 10305312 | 206314 | 328697 | -99.99 | 61.94  | 55.94  | 01/04/1996 | 15/10/2001 | 14     | 154            | NRW  |
| 10305324 | 206496 | 329098 | -99.99 | 45.95  | 43.95  | 21/03/1996 | 14/05/2001 | 16     | 394            | NRW  |
| 10305415 | 200755 | 327482 | -99.99 | 72.56  | 47.56  | 31/05/1993 | 03/07/2006 | 155    | 189            | NRW  |
| 10305427 | 206651 | 328479 | -99.99 | 100.22 | 98.22  | 16/03/1999 | 04/10/1999 | 4      | 35             | NRW  |
| 10305439 | 206473 | 328743 | -99.99 | 87.34  | 85.34  | 16/03/1999 | 21/04/2003 | 10     | 371            | NRW  |
| 10305490 | 204212 | 324431 | -99.99 | 89.48  | 84.48  | 24/11/1992 | 18/12/2011 | 244    | 35             | NRW  |
| 10305506 | 204004 | 324461 | -99.99 | 78.46  | 75.46  | 24/11/1992 | 18/12/2011 | 238    | 35             | NRW  |
| 10305520 | 204710 | 321908 | -99.99 | 106.76 | 93.76  | 27/07/2015 | 30/07/2021 | 65     | 30             | NRW  |
| 10305531 | 204318 | 320758 | -99.99 | 106.81 | 94.11  | 27/07/2015 | 30/07/2021 | 66     | 30             | NRW  |
| 10305543 | 204716 | 320695 | -99.99 | 106.83 | 93.83  | 27/07/2015 | 30/07/2021 | 66     | 30             | NRW  |
| 10305555 | 204491 | 320748 | -99.99 | 103.41 | 90.41  | 27/07/2015 | 30/07/2021 | 66     | 30             | NRW  |
| 10305567 | 204535 | 320700 | -99.99 | 104.46 | 91.46  | 27/07/2015 | 30/07/2021 | 66     | 30             | NRW  |
| 10305610 | 204681 | 324473 | -99.99 | 90.12  | 80.12  | 06/03/1995 | 01/09/2014 | 202    | 28             | NRW  |
| 10305622 | 204661 | 324519 | -99.99 | 92.42  | 87.42  | 06/03/1995 | 22/04/2020 | 262    | 716            | NRW  |
| 10305713 | 203864 | 326482 | -99.99 | 73.06  | 59.06  | 28/06/2000 | 03/12/2012 | 171    | 28             | NRW  |
| 10305725 | 203560 | 326568 | -99.99 | 74.89  | 60.89  | 28/06/2000 | 03/12/2012 | 178    | 28             | NRW  |

| naam     | xCoor  | yCoor  | mvNAP  | BKfilt | OKfilt | datum1     | laatste    | aantal | laatste dt [d] | bron |
|----------|--------|--------|--------|--------|--------|------------|------------|--------|----------------|------|
| 10306018 | 204955 | 324040 | -99.99 | 83.27  | 80.27  | 03/02/2003 | 22/04/2020 | 192    | 716            | NRW  |
| 10306020 | 204576 | 324215 | -99.99 | 104.74 | 102.74 | 03/10/2011 | 02/07/2012 | 5      | 28             | NRW  |
| 10306031 | 204576 | 324215 | -99.99 | 94.71  | 86.71  | 03/02/2003 | 22/04/2020 | 192    | 716            | NRW  |
| 10307000 | 199436 | 328769 | -99.99 | 70.68  | 60.68  | 15/10/1989 | 29/10/2012 | 234    | 35             | NRW  |
| 10307011 | 199228 | 328259 | -99.99 | 64.41  | 54.41  | 15/10/1989 | 11/10/2022 | 242    | 172            | NRW  |
| 10307023 | 199292 | 327894 | -99.99 | 63.81  | 53.81  | 15/10/1989 | 27/10/2023 | 244    | 14             | NRW  |
| 10307035 | 199717 | 327995 | -99.99 | 64.31  | 54.31  | 25/07/1994 | 29/10/2012 | 224    | 35             | NRW  |
| 10307047 | 199604 | 327576 | -99.99 | 71.48  | 61.48  | 25/07/1994 | 29/10/2012 | 226    | 35             | NRW  |
| 10307059 | 200282 | 327671 | -99.99 | 72.42  | 62.42  | 15/10/1989 | 29/10/2012 | 235    | 35             | NRW  |
| 10307126 | 200619 | 327384 | -99.99 | 72.97  | 62.97  | 03/02/1992 | 24/06/1996 | 29     | 28             | NRW  |
| 10307138 | 199706 | 327653 | -99.99 | 73.09  | 63.09  | 03/02/1992 | 29/10/2012 | 184    | 35             | NRW  |
| 10403310 | 202318 | 331773 | -99.99 | 51.93  | 45.93  | 02/11/1981 | 29/04/1996 | 174    | 35             | NRW  |
| 10403474 | 201758 | 329890 | -99.99 | 59.61  | 48.61  | 04/06/1979 | 31/07/2023 | 411    | 35             | NRW  |
| 10403486 | 201567 | 329897 | -99.99 | 55.66  | 44.66  | 04/06/1979 | 31/07/2023 | 414    | 35             | NRW  |
| 10403528 | 200893 | 331132 | -99.99 | 53.43  | 24.43  | 03/05/1993 | 31/07/2023 | 367    | 35             | NRW  |
| 10403530 | 200893 | 331132 | -99.99 | -13.58 | -35.58 | 03/05/1993 | 31/07/2023 | 362    | 35             | NRW  |
| 10403541 | 200523 | 329918 | -99.99 | 68.58  | 33.58  | 03/05/1993 | 31/07/2023 | 362    | 35             | NRW  |
| 10403553 | 201123 | 332424 | -99.99 | 25.62  | 10.62  | 04/11/1985 | 26/12/2022 | 684    | 28             | NRW  |
| 10403565 | 201173 | 332357 | -99.99 | 45.67  | 21.67  | 04/11/1985 | 22/01/2007 | 608    | 7              | NRW  |
| 10403577 | 201278 | 332262 | -99.99 | 31.55  | 6.55   | 04/11/1985 | 02/10/2023 | 1388   | 7              | NRW  |
| 10403590 | 201278 | 332262 | -99.99 | 24.91  | -2.59  | 04/11/1985 | 02/10/2023 | 1820   | 7              | NRW  |
| 10403607 | 202177 | 332306 | -99.99 | 52.69  | 2.69   | 04/11/1985 | 02/10/2023 | 1805   | 7              | NRW  |
| 10403619 | 202163 | 332296 | -99.99 | -3.83  | -8.83  | 04/11/1985 | 02/10/2023 | 1796   | 7              | NRW  |
| 10403875 | 202062 | 332462 | -99.99 | 40.92  | 40.92  | 03/04/1989 | 29/04/1996 | 85     | 35             | NRW  |
| 10403887 | 202062 | 332462 | -99.99 | 10.92  | 10.92  | 03/04/1989 | 29/04/1996 | 85     | 35             | NRW  |
| 10403899 | 202143 | 332332 | -99.99 | 43.22  | 43.22  | 03/04/1989 | 29/04/1996 | 85     | 35             | NRW  |
| 10403905 | 202143 | 332332 | -99.99 | 16.22  | 16.22  | 03/04/1989 | 29/04/1996 | 85     | 35             | NRW  |
| 10403917 | 202233 | 332343 | -99.99 | 45.92  | 45.92  | 03/04/1989 | 29/04/1996 | 85     | 35             | NRW  |
| 10403929 | 202233 | 332343 | -99.99 | 19.92  | 19.92  | 03/04/1989 | 29/04/1996 | 85     | 35             | NRW  |
| 10403930 | 202184 | 332262 | -99.99 | 43.81  | 43.81  | 03/04/1989 | 29/04/1996 | 85     | 35             | NRW  |
| 10403942 | 202184 | 332262 | -99.99 | 20.81  | 20.81  | 03/04/1989 | 29/04/1996 | 85     | 35             | NRW  |
| 10403954 | 203534 | 331171 | -99.99 | 26.05  | -2.95  | 06/02/1989 | 29/04/1996 | 87     | 35             | NRW  |
| 10404200 | 201173 | 332394 | -99.99 | 45.67  | 21.67  | 06/02/1989 | 29/01/2007 | 523    | 7              | NRW  |
| 10404211 | 201243 | 332294 | -99.99 | 29.56  | 27.56  | 06/02/1989 | 02/10/2023 | 1329   | 7              | NRW  |
| 10404223 | 201314 | 332458 | -99.99 | 29.45  | 27.45  | 06/02/1989 | 02/10/2023 | 1727   | 7              | NRW  |
| 10404235 | 201296 | 332312 | -99.99 | 23.41  | 21.41  | 06/02/1989 | 02/10/2023 | 1735   | 7              | NRW  |
| 10404247 | 202161 | 332296 | -99.99 | 53.20  | 50.20  | 06/02/1989 | 06/10/2003 | 479    | 28             | NRW  |
| 10404259 | 202161 | 332296 | -99.99 | 36.20  | 33.20  | 06/02/1989 | 02/10/2023 | 1715   | 7              | NRW  |
| 10406104 | 203128 | 331720 | -99.99 | 40.24  | 20.24  | 01/02/1993 | 29/04/1996 | 39     | 35             | NRW  |
| 10406128 | 201292 | 332540 | -99.99 | 49.97  | 43.97  | 31/07/1995 | 29/04/1996 | 10     | 35             | NRW  |
| 10406130 | 201295 | 332547 | -99.99 | 27.84  | 21.84  | 31/07/1995 | 29/04/1996 | 10     | 35             | NRW  |
| 10406141 | 201243 | 332737 | -99.99 | 50.01  | 44.01  | 31/07/1995 | 29/04/1996 | 10     | 35             | NRW  |
| 10406153 | 201236 | 332738 | -99.99 | 27.61  | 21.61  | 31/07/1995 | 29/04/1996 | 10     | 35             | NRW  |
| 10406177 | 200735 | 332054 | -99.99 | 55.53  | 50.53  | 06/11/1995 | 02/10/2023 | 1394   | 7              | NRW  |



| naam     | xCoor  | yCoor  | mvNAP  | BKfilt | OKfilt | datum1     | laatste    | aantal | laatste dt [d] | bron |
|----------|--------|--------|--------|--------|--------|------------|------------|--------|----------------|------|
| 10406189 | 200735 | 332054 | -99.99 | 1.53   | -8.47  | 06/11/1995 | 02/10/2023 | 1377   | 7              | NRW  |
| 10406190 | 200918 | 331902 | -99.99 | 25.20  | 5.20   | 31/07/1995 | 29/04/1996 | 10     | 35             | NRW  |
| 10406669 | 200788 | 332038 | -99.99 | 21.83  | -6.17  | 06/11/1995 | 02/10/2023 | 1396   | 7              | NRW  |
| 10406670 | 200741 | 332060 | -99.99 | 56.83  | 50.83  | 13/11/1995 | 02/10/2023 | 1296   | 7              | NRW  |
| 10406682 | 200741 | 332060 | -99.99 | 25.83  | 19.83  | 13/11/1995 | 26/01/2015 | 964    | 7              | NRW  |
| 10406694 | 200741 | 332060 | -99.99 | -0.17  | -6.17  | 13/11/1995 | 26/01/2015 | 968    | 7              | NRW  |
| 10406906 | 203020 | 331447 | -99.99 | 23.12  | -1.88  | 10/08/1998 | 02/10/2023 | 1261   | 7              | NRW  |
| 10406918 | 202982 | 331472 | -99.99 | 49.12  | 44.12  | 10/08/1998 | 02/10/2023 | 1253   | 7              | NRW  |
| 10406920 | 202982 | 331472 | -99.99 | 23.12  | -1.88  | 10/08/1998 | 02/10/2023 | 1253   | 7              | NRW  |
| 10406931 | 202993 | 331471 | -99.99 | 49.62  | 43.62  | 07/09/1998 | 02/10/2023 | 1250   | 7              | NRW  |
| 10406943 | 203020 | 331447 | -99.99 | 11.62  | -3.38  | 07/09/1998 | 02/10/2023 | 1250   | 7              | NRW  |
| 10407110 | 201268 | 332462 | -99.99 | 31.45  | 3.95   | 04/11/1985 | 02/10/2023 | 1802   | 7              | NRW  |
| 10421002 | 200585 | 329309 | -99.99 | 61.74  | 58.74  | 01/03/2000 | 31/07/2023 | 243    | 35             | NRW  |
| 10421014 | 201067 | 330930 | -99.99 | 57.58  | 49.58  | 01/03/2000 | 31/07/2023 | 245    | 35             | NRW  |
| 10421026 | 201765 | 331336 | -99.99 | 45.13  | 43.13  | 01/03/2000 | 31/07/2023 | 243    | 35             | NRW  |
| 10421038 | 201015 | 330665 | -99.99 | 57.65  | -19.35 | 29/01/2007 | 31/07/2023 | 198    | 35             | NRW  |
| 10421040 | 201747 | 331222 | -99.99 | 61.90  | -19.10 | 29/01/2007 | 31/07/2023 | 198    | 35             | NRW  |
| 10421051 | 201069 | 331514 | -99.99 | 52.07  | -28.93 | 29/01/2007 | 31/07/2023 | 199    | 35             | NRW  |
| 10446758 | 203485 | 322982 | -99.99 | 55.52  | 50.52  | 14/10/1981 | 28/05/1997 | 386    | 14             | NRW  |
| 11003110 | 197633 | 333474 | -99.99 | 54.56  | 54.56  | 15/04/1953 | 15/10/1957 | 10     | 183            | NRW  |
| 11003121 | 195999 | 333951 | -99.99 | 65.89  | 65.89  | 15/04/1953 | 19/10/1970 | 36     | 182            | NRW  |
| 11003169 | 198376 | 333346 | -99.99 | 55.94  | 55.44  | 15/04/1953 | 04/04/2024 | 153    | 38             | NRW  |
| 11003170 | 200585 | 333239 | -99.99 | 62.34  | 62.34  | 15/04/1953 | 15/10/1967 | 30     | 183            | NRW  |
| 11003327 | 208163 | 326442 | -99.99 | 98.74  | 98.74  | 15/04/1953 | 18/10/1971 | 38     | 182            | NRW  |
| 11003339 | 207664 | 326569 | -99.99 | 97.71  | 95.71  | 15/04/1953 | 22/04/2022 | 135    | 24             | NRW  |
| 11003352 | 208001 | 325500 | -99.99 | 103.46 | 103.46 | 15/04/1953 | 15/10/1953 | 2      | 183            | NRW  |
| 11003364 | 206528 | 325768 | -99.99 | 99.54  | 99.54  | 15/04/1953 | 15/10/1959 | 14     | 183            | NRW  |
| 11005907 | 204904 | 320364 | -99.99 | 109.19 | 107.19 | 15/10/1953 | 15/04/1960 | 11     | 183            | NRW  |
| 11005919 | 204951 | 319515 | -99.99 | 104.99 | 102.99 | 15/04/1953 | 11/10/1960 | 16     | 179            | NRW  |
| 11005956 | 208380 | 319683 | -99.99 | 123.28 | 123.28 | 15/10/1953 | 15/10/1955 | 5      | 183            | NRW  |
| 11005970 | 207495 | 318976 | -99.99 | 123.17 | 122.17 | 15/04/1953 | 11/10/1960 | 16     | 179            | NRW  |
| 11005981 | 207133 | 318112 | -99.99 | 150.73 | 149.73 | 15/04/1953 | 12/10/1960 | 16     | 180            | NRW  |
| 11005993 | 206540 | 318472 | -99.99 | 149.39 | 148.39 | 01/11/1954 | 02/11/1992 | 518    | 28             | NRW  |
| 11006006 | 206101 | 318619 | -99.99 | 147.50 | 147.50 | 15/10/1953 | 15/10/1958 | 11     | 183            | NRW  |
| 11006018 | 204117 | 318757 | -99.99 | 142.35 | 142.35 | 15/04/1953 | 15/10/1970 | 36     | 178            | NRW  |
| 11006020 | 203711 | 318314 | -99.99 | 147.49 | 147.49 | 15/04/1953 | 15/10/1970 | 36     | 178            | NRW  |
| 11006031 | 201779 | 318497 | -99.99 | 128.60 | 128.60 | 15/10/1953 | 15/10/1958 | 10     | 183            | NRW  |
| 11006043 | 201064 | 318000 | -99.99 | 146.70 | 146.70 | 15/04/1953 | 13/10/2023 | 131    | 184            | NRW  |
| 11006067 | 203036 | 317738 | -99.99 | 152.48 | 152.48 | 15/04/1953 | 15/10/1977 | 44     | 183            | NRW  |
| 11006079 | 204988 | 318000 | -99.99 | 164.17 | 164.17 | 15/04/1953 | 15/10/1970 | 36     | 178            | NRW  |
| 11006080 | 205647 | 317570 | -99.99 | 155.34 | 155.34 | 15/04/1953 | 15/10/1970 | 36     | 178            | NRW  |
| 11006092 | 206251 | 317105 | -99.99 | 162.59 | 162.59 | 15/10/1953 | 15/04/1954 | 2      | 182            | NRW  |
| 11006122 | 202682 | 316975 | -99.99 | 155.93 | 155.93 | 15/04/1953 | 15/10/1970 | 36     | 178            | NRW  |
| 11006146 | 200741 | 315879 | -99.99 | 163.92 | 163.92 | 15/04/1953 | 15/10/1970 | 36     | 178            | NRW  |

| naam     | xCoor  | yCoor  | mvNAP  | BKfilt | OKfilt | datum1     | laatste    | aantal | laatste dt [d] | bron |
|----------|--------|--------|--------|--------|--------|------------|------------|--------|----------------|------|
| 11006160 | 203816 | 315314 | -99.99 | 159.45 | 157.45 | 15/10/1953 | 15/04/1958 | 9      | 182            | NRW  |
| 11006171 | 204653 | 315732 | -99.99 | 161.67 | 161.67 | 15/04/1953 | 15/10/1974 | 44     | 183            | NRW  |
| 11006201 | 207533 | 314949 | -99.99 | 183.16 | 183.16 | 15/04/1953 | 15/10/2007 | 110    | 175            | NRW  |
| 11006213 | 206991 | 314711 | -99.99 | 183.53 | 183.53 | 15/04/1953 | 15/10/1986 | 68     | 183            | NRW  |
| 11006225 | 206283 | 314545 | -99.99 | 179.11 | 179.11 | 15/04/1953 | 15/10/1970 | 36     | 178            | NRW  |
| 11006237 | 204752 | 314602 | -99.99 | 176.45 | 176.45 | 15/04/1953 | 15/10/1970 | 36     | 178            | NRW  |
| 11006250 | 201145 | 314212 | -99.99 | 173.88 | 173.88 | 15/04/1953 | 15/10/1962 | 20     | 183            | NRW  |
| 11006262 | 201300 | 313583 | -99.99 | 176.73 | 176.73 | 15/04/1953 | 15/10/1970 | 36     | 178            | NRW  |
| 11006274 | 203790 | 313754 | -99.99 | 196.66 | 196.66 | 15/04/1953 | 28/03/2024 | 190    | 3              | NRW  |
| 11006286 | 206287 | 314045 | -99.99 | 186.58 | 186.58 | 15/04/1953 | 15/10/1974 | 44     | 183            | NRW  |
| 11006341 | 202296 | 312921 | -99.99 | 181.37 | 181.37 | 15/04/1953 | 15/10/1954 | 4      | 183            | NRW  |
| 11006353 | 202068 | 312620 | -99.99 | 181.97 | 180.97 | 15/04/1953 | 15/10/1960 | 16     | 183            | NRW  |
| 11006377 | 197850 | 312414 | -99.99 | 152.40 | 152.40 | 15/04/1953 | 15/10/1970 | 36     | 178            | NRW  |
| 11006742 | 190894 | 336237 | -99.99 | 41.13  | 39.13  | 15/04/1976 | 15/04/2018 | 83     | 182            | NRW  |
| 11007059 | 207418 | 315100 | -99.99 | 177.93 | 171.93 | 25/03/1986 | 15/10/1986 | 2      | 204            | NRW  |
| 11007138 | 205677 | 329522 | -99.99 | 65.95  | 63.95  | 15/04/1987 | 15/04/1995 | 17     | 182            | NRW  |
| 11007321 | 204593 | 326392 | -99.99 | 79.98  | 79.98  | 15/10/1988 | 15/04/1991 | 6      | 182            | NRW  |
| 15000254 | 209567 | 326014 | -99.99 | 99.49  | 95.49  | 02/11/1964 | 02/11/1992 | 337    | 28             | NRW  |
| 15000266 | 209567 | 326014 | -99.99 | 47.44  | 43.44  | 02/11/1964 | 02/11/1992 | 337    | 28             | NRW  |
| 15000308 | 209274 | 324231 | -99.99 | 108.18 | 104.18 | 02/11/1964 | 01/10/1990 | 294    | 28             | NRW  |
| 15000310 | 209274 | 324231 | -99.99 | 59.08  | 55.08  | 02/11/1964 | 04/11/1991 | 320    | 28             | NRW  |
| 15000321 | 209018 | 323524 | -99.99 | 81.06  | 76.06  | 25/05/1964 | 03/12/1973 | 101    | 14             | NRW  |
| 15000400 | 206255 | 326231 | -99.99 | 41.16  | 18.16  | 04/02/1985 | 30/10/1989 | 245    | 7              | NRW  |
| 15000412 | 206249 | 326276 | -99.99 | 76.87  | 49.57  | 04/02/1985 | 30/10/1989 | 248    | 7              | NRW  |
| 15000424 | 205798 | 326843 | -99.99 | 63.16  | 46.66  | 02/05/1988 | 30/10/1989 | 79     | 7              | NRW  |
| 15000436 | 205747 | 326875 | -99.99 | 61.43  | 43.93  | 15/11/1953 | 20/11/1989 | 272    | 7              | NRW  |
| 15000448 | 205699 | 318939 | -99.99 | 76.41  | 66.41  | 20/07/2000 | 27/01/2014 | 148    | 112            | NRW  |
| 15000450 | 205699 | 318938 | -99.99 | 11.41  | 1.41   | 20/07/2000 | 27/01/2014 | 148    | 112            | NRW  |
| 15000461 | 204596 | 321498 | -99.99 | 54.69  | 42.69  | 17/10/2005 | 31/01/2013 | 73     | 64             | NRW  |
| 15000473 | 204596 | 321498 | -99.99 | -30.31 | -38.31 | 17/10/2005 | 31/01/2013 | 34     | 64             | NRW  |
| 15000485 | 204618 | 317719 | -99.99 | 106.67 | 102.67 | 14/10/1998 | 25/04/2006 | 75     | 64             | NRW  |
| 15000618 | 206860 | 320522 | -99.99 | 138.35 | 108.35 | 15/04/1985 | 29/07/2014 | 120    | 85             | NRW  |
| 15000620 | 207963 | 320477 | -99.99 | 139.10 | 113.10 | 07/01/1985 | 06/05/2014 | 133    | 98             | NRW  |
| 15000631 | 208348 | 320796 | -99.99 | 141.94 | 110.94 | 15/04/1985 | 29/07/2014 | 135    | 84             | NRW  |
| 15000643 | 208872 | 320321 | -99.99 | 140.15 | 115.15 | 15/04/1985 | 19/10/2011 | 126    | 85             | NRW  |
| 15000655 | 208190 | 320902 | -99.99 | 135.91 | 110.91 | 15/04/1985 | 29/07/2014 | 134    | 85             | NRW  |
| 15000667 | 209224 | 320985 | -99.99 | 138.46 | 126.46 | 06/05/1992 | 29/10/2014 | 45     | 91             | NRW  |
| 16002283 | 208754 | 319619 | -99.99 | 121.41 | 119.41 | 03/01/1994 | 25/04/2005 | 130    | 28             | NRW  |
| 16002349 | 204664 | 320352 | -99.99 | 73.45  | 70.65  | 05/05/1986 | 11/10/2013 | 1293   | 5              | NRW  |
| 16002350 | 204432 | 320541 | -99.99 | 66.75  | 66.75  | 05/05/1986 | 06/07/2013 | 714    | 30             | NRW  |
| 16002362 | 204402 | 320620 | -99.99 | 90.72  | 90.72  | 05/05/1986 | 06/07/2013 | 1206   | 30             | NRW  |
| 16002519 | 204491 | 320661 | -99.99 | 94.08  | 94.08  | 05/05/1986 | 06/07/2013 | 1188   | 30             | NRW  |
| 16002520 | 204512 | 320601 | -99.99 | 94.28  | 94.28  | 05/05/1986 | 06/07/2013 | 1208   | 30             | NRW  |
| 16002738 | 204800 | 326814 | -99.99 | 73.26  | 60.26  | 06/02/1989 | 27/12/2021 | 1663   | 7              | NRW  |

| naam        | xCoor  | yCoor  | mvNAP  | BKfilt | OKfilt | datum1     | laatste    | aantal | laatste dt [d] | bron |
|-------------|--------|--------|--------|--------|--------|------------|------------|--------|----------------|------|
| 16002740    | 204840 | 326745 | -99.99 | 69.55  | 65.55  | 06/02/1989 | 25/08/2008 | 231    | 26             | NRW  |
| 16002829    | 189470 | 337376 | -99.99 | 34.18  | 34.18  | 04/05/1992 | 30/12/2017 | 405    | 5              | NRW  |
| 16003081    | 201891 | 332579 | -99.99 | 54.66  | 54.66  | 03/04/1989 | 29/04/1996 | 80     | 35             | NRW  |
| 16003159    | 207037 | 329141 | -99.99 | 38.66  | 28.66  | 24/11/1997 | 15/01/2020 | 266    | 16             | NRW  |
| 16003240    | 206632 | 328969 | -99.99 | 68.41  | 59.41  | 06/08/1990 | 27/10/1997 | 86     | 28             | NRW  |
| 16003251    | 206572 | 328929 | -99.99 | 66.69  | 58.19  | 06/08/1990 | 28/04/1997 | 80     | 28             | NRW  |
| 16003378    | 204683 | 322762 | -99.99 | 84.88  | 71.88  | 06/08/1990 | 08/01/2024 | 398    | 35             | NRW  |
| 16003380    | 190731 | 336016 | -99.99 | 29.46  | 23.96  | 01/01/1990 | 03/12/2012 | 273    | 28             | NRW  |
| 16003998    | 200339 | 310592 | -99.99 | 168.10 | 163.10 | 27/03/1995 | 26/12/2022 | 1064   | 14             | NRW  |
| 16004000    | 200591 | 310709 | -99.99 | 168.76 | 163.76 | 27/03/1995 | 26/12/2022 | 1065   | 14             | NRW  |
| 210422208   | 201908 | 332600 | -99.99 | 43.82  | 41.82  | 16/08/2013 | 30/03/2024 | 122    | 37             | NRW  |
| 210422221   | 202718 | 331953 | -99.99 | 50.96  | 45.96  | 24/04/2013 | 30/03/2024 | 110    | 37             | NRW  |
| 210422233   | 202718 | 331953 | -99.99 | 15.00  | -5.00  | 01/02/2016 | 30/03/2024 | 99     | 37             | NRW  |
| 219603017   | 191792 | 335461 | -99.99 | 36.91  | 34.91  | 25/11/2019 | 31/03/2024 | 57     | 35             | NRW  |
| 219603110   | 192444 | 332463 | -99.99 | 43.77  | 41.77  | 25/11/2019 | 31/03/2024 | 56     | 35             | NRW  |
| 219605117   | 203244 | 332160 | -99.99 | 36.70  | 34.70  | 06/11/1967 | 30/03/2024 | 1096   | 37             | NRW  |
| 219605312   | 205210 | 329989 | -99.99 | 61.39  | 59.39  | 06/11/1967 | 20/12/2018 | 1036   | 30             | NRW  |
| 219605415   | 200337 | 328896 | -99.99 | 57.18  | 57.08  | 06/11/1967 | 27/01/2011 | 947    | 35             | NRW  |
| 219675119   | 204964 | 322432 | -99.99 | 88.10  | 86.10  | 26/11/2019 | 08/04/2024 | 60     | 10             | NRW  |
| 219688710   | 209291 | 327640 | nan    | 81.37  | 79.37  | 26/11/2019 | 29/03/2024 | 57     | 35             | NRW  |
| 7-0091      | 174636 | 330140 | 44.46  | 9.47   | 8.47   | 14/01/1987 | 16/04/2024 | 487    | 20             | DOV  |
| 7-0196      | 174650 | 330104 | 44.27  | 12.12  | 11.12  | 15/05/1998 | 13/05/2004 | 76     | 28             | DOV  |
| 7-0352      | 177482 | 338303 | 38.35  | 8.67   | 7.67   | 08/04/1998 | 15/04/2024 | 330    | 21             | DOV  |
| 7-0352_2    | 177482 | 338303 | 38.35  | 121.17 | 120.17 | 08/04/1998 | 15/04/2024 | 325    | 21             | DOV  |
| 7-0359      | 180532 | 340560 | 31.24  | 41.67  | 40.67  | 16/06/1998 | 14/10/2003 | 71     | 34             | DOV  |
| 7-0360      | 180832 | 339446 | 31.85  | 42.67  | 41.67  | 16/06/1998 | 10/03/2004 | 77     | 26             | DOV  |
| 910^22^1    | 178646 | 325423 | 41.12  | 6.17   | 5.17   | 25/03/2004 | 13/03/2023 | 50     | 202            | DOV  |
| 910^22^1_2  | 178646 | 325423 | 41.12  | 9.17   | 8.17   | 25/03/2004 | 13/03/2023 | 48     | 202            | DOV  |
| 910^22^10   | 179524 | 328181 | 39.24  | 6.67   | 5.67   | 24/03/2004 | 13/03/2023 | 49     | 181            | DOV  |
| 910^22^10_2 | 179524 | 328181 | 39.24  | 9.67   | 8.67   | 24/03/2004 | 13/03/2023 | 47     | 181            | DOV  |
| 910^22^11   | 178455 | 329421 | 38.59  | 4.17   | 3.17   | 27/04/2004 | 13/03/2023 | 38     | 321            | DOV  |
| 910^22^11_2 | 178455 | 329421 | 38.59  | 6.17   | 5.17   | 27/04/2004 | 13/03/2023 | 47     | 181            | DOV  |
| 910^22^11_3 | 178455 | 329421 | 38.59  | 10.17  | 9.17   | 27/04/2004 | 13/03/2023 | 49     | 181            | DOV  |
| 910^22^4    | 176724 | 327061 | 41.15  | 3.17   | 2.17   | 24/03/2004 | 20/03/2023 | 46     | 209            | DOV  |
| 910^22^4_2  | 176724 | 327061 | 41.15  | 5.17   | 4.17   | 24/03/2004 | 20/03/2023 | 46     | 209            | DOV  |
| 910^22^4_3  | 176724 | 327061 | 41.15  | 8.17   | 7.17   | 24/03/2004 | 20/03/2023 | 46     | 209            | DOV  |
| 910^22^8a   | 175952 | 329788 | 40.93  | 8.17   | 7.17   | 12/05/2004 | 25/09/2007 | 14     | 201            | DOV  |
| 910^22^9a   | 178747 | 327021 | 41.82  | 7.67   | 6.67   | 24/03/2004 | 13/03/2023 | 27     | 181            | DOV  |
| 910^22^9a_2 | 178747 | 327021 | 41.82  | 11.17  | 10.17  | 24/03/2004 | 13/03/2023 | 27     | 181            | DOV  |
| 910^22^9a_3 | 178747 | 327021 | 41.82  | 14.67  | 13.67  | 24/03/2004 | 13/03/2023 | 27     | 181            | DOV  |
| 920^22^10   | 179697 | 335717 | 34.91  | 8.67   | 7.67   | 23/02/2004 | 08/03/2023 | 27     | 184            | DOV  |
| 920^22^10_2 | 179697 | 335717 | 34.91  | 13.67  | 12.67  | 23/02/2004 | 08/03/2023 | 27     | 184            | DOV  |
| 920^22^10_3 | 179697 | 335717 | 34.91  | 20.67  | 19.67  | 23/02/2004 | 08/03/2023 | 27     | 184            | DOV  |
| 920^22^11   | 180394 | 336031 | 32.77  | 6.67   | 5.67   | 23/02/2004 | 08/03/2023 | 43     | 371            | DOV  |

| naam        | xCoor  | yCoor  | mvNAP | BKfilt | OKfilt | datum1     | laatste    | aantal | laatste dt [d] | bron      |
|-------------|--------|--------|-------|--------|--------|------------|------------|--------|----------------|-----------|
| 920^22^11_2 | 180394 | 336031 | 32.77 | 17.67  | 16.67  | 23/02/2004 | 08/03/2023 | 43     | 371            | DOV       |
| 920^22^11_3 | 180394 | 336031 | 32.77 | 25.67  | 24.67  | 23/02/2004 | 08/03/2023 | 43     | 371            | DOV       |
| 920^22^12   | 178456 | 337835 | 35.50 | 4.67   | 3.67   | 19/02/2004 | 08/03/2023 | 45     | 181            | DOV       |
| 920^22^12_2 | 178456 | 337835 | 35.50 | 7.17   | 6.17   | 19/02/2004 | 08/03/2023 | 46     | 181            | DOV       |
| 920^22^12_3 | 178456 | 337835 | 35.50 | 11.97  | 10.97  | 19/02/2004 | 08/03/2023 | 38     | 181            | DOV       |
| 920^22^3    | 179025 | 333062 | 35.10 | 9.67   | 8.67   | 23/03/2004 | 09/03/2023 | 47     | 150            | DOV       |
| 920^22^3_2  | 179025 | 333062 | 35.10 | 13.17  | 12.17  | 23/03/2004 | 09/03/2023 | 46     | 150            | DOV       |
| 920^22^3_3  | 179025 | 333062 | 35.10 | 23.67  | 22.67  | 23/03/2004 | 09/03/2023 | 47     | 150            | DOV       |
| 920^22^30   | 180567 | 339451 | 31.97 | 6.67   | 5.67   | 23/02/2004 | 09/03/2020 | 45     | 139            | DOV       |
| 920^22^30_2 | 180567 | 339451 | 31.97 | 13.67  | 12.67  | 23/02/2004 | 09/03/2020 | 43     | 139            | DOV       |
| 920^22^30_3 | 180567 | 339451 | 31.97 | 22.17  | 21.17  | 23/02/2004 | 06/03/2023 | 47     | 179            | DOV       |
| 920^22^32   | 179214 | 337090 | 35.31 | 8.67   | 7.67   | 19/02/2004 | 06/03/2023 | 46     | 150            | DOV       |
| 920^22^32_2 | 179214 | 337090 | 35.31 | 12.67  | 11.67  | 19/02/2004 | 06/03/2023 | 46     | 150            | DOV       |
| 920^22^32_3 | 179214 | 337090 | 35.31 | 17.67  | 16.67  | 19/02/2004 | 06/03/2023 | 46     | 150            | DOV       |
| 920^22^4    | 178376 | 332118 | 36.91 | 8.67   | 7.67   | 23/03/2004 | 09/03/2023 | 43     | 164            | DOV       |
| 920^22^4_2  | 178376 | 332118 | 36.91 | 14.67  | 13.67  | 23/03/2004 | 09/03/2023 | 43     | 164            | DOV       |
| 920^22^4_3  | 178376 | 332118 | 36.91 | 19.67  | 18.67  | 23/03/2004 | 09/03/2023 | 42     | 164            | DOV       |
| 920^22^6    | 178292 | 331253 | 37.56 | 7.67   | 6.67   | 23/03/2004 | 08/03/2023 | 50     | 152            | DOV       |
| 920^22^6_2  | 178292 | 331253 | 37.56 | 10.67  | 9.67   | 23/03/2004 | 08/03/2023 | 48     | 152            | DOV       |
| 920^22^6_3  | 178292 | 331253 | 37.56 | 15.67  | 14.67  | 23/03/2004 | 08/03/2023 | 48     | 152            | DOV       |
| 920^22^8    | 180204 | 333481 | 35.66 | 7.87   | 6.87   | 12/05/2004 | 09/03/2023 | 46     | 184            | DOV       |
| 920^22^8_2  | 180204 | 333481 | 35.66 | 12.67  | 11.67  | 12/05/2004 | 09/03/2023 | 46     | 184            | DOV       |
| 920^22^8_3  | 180204 | 333481 | 35.66 | 17.67  | 16.67  | 12/05/2004 | 09/03/2023 | 46     | 184            | DOV       |
| 920^22^9    | 180899 | 334400 | 33.93 | 8.67   | 7.67   | 12/05/2004 | 09/03/2023 | 44     | 164            | DOV       |
| 920^22^9_2  | 180899 | 334400 | 33.93 | 13.67  | 12.67  | 12/05/2004 | 09/03/2023 | 44     | 164            | DOV       |
| 920^22^9_3  | 180899 | 334400 | 33.93 | 19.67  | 18.67  | 12/05/2004 | 09/03/2023 | 44     | 164            | DOV       |
| Anna001     | 208295 | 320894 | -     | -      |        | 17/11/1994 | 19/11/2020 | 318    | 127            |           |
| B59H0020001 | 179650 | 331810 | 36.91 | 30.41  | 28.41  | 15/11/2001 | 16/04/2003 | 518    | 1              | DINOloket |
| B59H0088001 | 179390 | 330087 | 38.20 | 28.70  | 27.70  | 15/11/2001 | 16/04/2003 | 518    | 1              | DINOloket |
| B59H0090001 | 179362 | 329950 | 39.77 | 31.02  | 30.02  | 15/11/2001 | 16/04/2003 | 518    | 1              | DINOloket |
| B59H0090002 | 179362 | 329950 | 39.77 | 28.57  | 27.57  | 15/11/2001 | 16/04/2003 | 518    | 1              | DINOloket |
| B59H0177001 | 179577 | 330520 | 36.68 | 34.88  | 34.38  | 15/11/2001 | 16/04/2003 | 518    | 1              | DINOloket |
| B59H0177002 | 179577 | 330520 | 36.68 | 30.68  | 28.68  | 15/11/2001 | 16/04/2003 | 518    | 1              | DINOloket |
| B59H0178001 | 179380 | 330483 | 36.72 | 34.72  | 34.22  | 15/11/2001 | 16/04/2003 | 518    | 1              | DINOloket |
| B59H0178002 | 179380 | 330483 | 36.72 | 30.72  | 28.72  | 15/11/2001 | 16/04/2003 | 518    | 1              | DINOloket |
| B59H0179001 | 178993 | 330214 | 37.55 | 34.35  | 33.85  | 15/11/2001 | 16/04/2003 | 518    | 1              | DINOloket |
| B59H0179002 | 178993 | 330214 | 37.55 | 30.55  | 28.55  | 15/11/2001 | 16/04/2003 | 518    | 1              | DINOloket |
| B59H0180001 | 179135 | 330817 | 37.11 | 35.11  | 34.61  | 15/11/2001 | 17/04/2003 | 519    | 1              | DINOloket |
| B59H0180002 | 179135 | 330817 | 37.11 | 31.11  | 29.11  | 15/11/2001 | 16/04/2003 | 518    | 1              | DINOloket |
| B59H0181002 | 179273 | 329841 | 38.87 | 27.99  | 25.99  | 15/11/2001 | 16/04/2003 | 518    | 1              | DINOloket |
| B59H0182001 | 179419 | 330948 | 36.81 | 35.31  | 34.81  | 15/11/2001 | 16/04/2003 | 518    | 1              | DINOloket |
| B59H0182002 | 179419 | 330948 | 36.81 | 30.21  | 28.21  | 15/11/2001 | 16/04/2003 | 518    | 1              | DINOloket |
| B59H0757001 | 179526 | 326076 | 41.81 | 25.60  | 24.60  | 24/06/2015 | 09/09/2015 | 78     | 1              | DINOloket |
| B59H0758001 | 179132 | 326125 | 41.27 | 25.20  | 24.20  | 24/06/2015 | 09/09/2015 | 78     | 1              | DINOloket |

| naam        | xCoor  | yCoor  | mvNAP | BKfilt  | OKfilt  | datum1     | laatste    | aantal | laatste dt [d] | bron        |
|-------------|--------|--------|-------|---------|---------|------------|------------|--------|----------------|-------------|
| B59H0759001 | 179844 | 326558 | 41.60 | 35.40   | 34.40   | 08/01/2016 | 04/01/2018 | 728    | 1              | DINOloket   |
| B60A0412001 | 184205 | 339550 | 34.60 | 25.62   | 22.62   | 14/06/1993 | 04/06/2024 | 4512   | 1              | provLimburg |
| B60A0412002 | 184205 | 339550 | 34.60 | -28.38  | -31.38  | 14/06/1993 | 04/06/2024 | 4511   | 1              | provLimburg |
| B60A0412003 | 184205 | 339550 | 34.60 | -96.38  | -99.38  | 14/06/1993 | 03/06/2024 | 4220   | 1              | provLimburg |
| B60A0412004 | 184205 | 339550 | 34.60 | -165.38 | -168.38 | 14/06/1993 | 03/06/2024 | 4097   | 1              | provLimburg |
| B60A0412005 | 184205 | 339550 | 34.60 | -212.38 | -215.38 | 14/06/1993 | 03/06/2024 | 4092   | 1              | provLimburg |
| B60C0029001 | 183870 | 336213 | 48.00 | 30.50   | 29.00   | 28/04/1951 | 31/12/2007 | 574    | 14             | DINOloket   |
| B60C0035001 | 184725 | 336418 | 42.00 | 29.74   | 28.24   | 28/04/1951 | 04/06/2024 | 4929   | 1              | provLimburg |
| B60C0046001 | 185494 | 335978 | 49.37 | 34.50   | 33.50   | 28/04/1951 | 28/05/1998 | 515    | 14             | DINOloket   |
| B60C0049001 | 186191 | 336968 | 36.62 | 19.62   | 18.12   | 28/04/1951 | 02/10/2018 | 7232   | 1              | DINOloket   |
| B60C0055001 | 186150 | 336050 | 49.70 | 36.70   | 35.70   | 28/04/1951 | 27/12/1968 | 123    | 60             | DINOloket   |
| B60C0057001 | 187478 | 336606 | 38.14 | 25.50   | 24.50   | 28/04/1951 | 28/08/1997 | 716    | 14             | DINOloket   |
| B60C0065001 | 184580 | 335700 | 51.82 | 38.10   | 37.10   | 28/05/1951 | 30/03/1973 | 262    | 150            | DINOloket   |
| B60C0237001 | 184212 | 331304 | 66.66 | -71.34  | -121.34 | 15/11/1996 | 31/12/2007 | 252    | 14             | DINOloket   |
| B60C0325001 | 184403 | 330225 | 71.89 | 48.44   | 44.44   | 15/11/2004 | 04/06/2024 | 4450   | 1              | provLimburg |
| B60C0503001 | 180360 | 326860 | 41.05 | -88.00  | -89.00  | 31/12/1955 | 29/03/2004 | 1560   | 14             | DINOloket   |
| B60C0550001 | 180210 | 325920 | 42.21 | -4.39   | -28.79  | 31/12/1955 | 29/03/2004 | 1351   | 14             | DINOloket   |
| B60C0552001 | 180120 | 325530 | 41.77 | 1.77    | -25.23  | 23/05/1930 | 02/10/2018 | 8930   | 1              | DINOloket   |
| B60C0669001 | 187759 | 334390 | 52.89 | 38.19   | 39.99   | 29/09/1958 | 28/09/1983 | 274    | 124            | DINOloket   |
| B60C0670001 | 187763 | 334361 | 53.20 | 41.60   | 36.10   | 29/09/1958 | 30/10/1984 | 288    | 33             | DINOloket   |
| B60C0671001 | 187749 | 334334 | 53.49 | 41.79   | 35.49   | 29/09/1958 | 30/10/1984 | 291    | 33             | DINOloket   |
| B60C0672001 | 187740 | 334300 | 53.82 | 39.82   | 34.82   | 29/09/1958 | 30/10/1984 | 277    | 33             | DINOloket   |
| B60C0687001 | 187776 | 334289 | 53.38 | 42.28   | 37.78   | 28/05/1958 | 26/07/1977 | 169    | 60             | DINOloket   |
| B60C0708001 | 187787 | 334302 | 53.10 | 42.10   | 37.60   | 28/05/1958 | 30/10/1984 | 218    | 33             | DINOloket   |
| B60C0711001 | 187658 | 334374 | 54.59 | 36.58   | 37.58   | 28/10/1966 | 14/11/1994 | 424    | 182            | DINOloket   |
| B60C0712001 | 187610 | 334348 | 53.57 | 41.57   | 35.57   | 28/10/1966 | 30/10/1984 | 198    | 33             | DINOloket   |
| B60C0725001 | 187780 | 334340 | 53.26 | 41.76   | 35.76   | 28/10/1966 | 30/10/1984 | 198    | 33             | DINOloket   |
| B60C0726001 | 187720 | 334320 | 53.82 | 41.82   | 35.82   | 28/10/1966 | 30/10/1984 | 197    | 33             | DINOloket   |
| B60C0727001 | 187734 | 334352 | 53.28 | 41.08   | 35.08   | 28/10/1966 | 30/10/1984 | 199    | 33             | DINOloket   |
| B60C0728001 | 187670 | 334175 | 55.05 | 37.05   | 31.05   | 28/08/1969 | 14/08/1995 | 423    | 17             | DINOloket   |
| B60C0729001 | 187614 | 334086 | 55.54 | 38.04   | 35.04   | 28/08/1969 | 27/05/1983 | 137    | 29             | DINOloket   |
| B60C0735001 | 187390 | 333890 | 57.17 | 43.03   | 37.03   | 28/08/1969 | 14/08/1995 | 418    | 17             | DINOloket   |
| B60C0737001 | 187420 | 333945 | 56.64 | 39.64   | 36.64   | 28/08/1969 | 16/12/1985 | 211    | 13             | DINOloket   |
| B60C0740001 | 187680 | 334310 | 54.20 | 43.90   | 36.40   | 29/03/1954 | 14/10/1998 | 682    | 30             | DINOloket   |
| B60C0749001 | 183568 | 329512 | 71.46 | -55.54  | -129.54 | 15/11/1996 | 29/06/2009 | 285    | 14             | DINOloket   |
| B60C0777001 | 187686 | 334222 | 54.79 | -       | -       | 28/04/1981 | 30/10/1984 | 36     | 33             | DINOloket   |
| B60C0778001 | 187600 | 334200 | 55.57 | -       | -       | 28/04/1981 | 30/10/1984 | 17     | 33             | DINOloket   |
| B60C0781001 | 187606 | 334346 | 54.80 | -23.00  | -25.00  | 15/09/1983 | 28/12/2003 | 443    | 14             | DINOloket   |
| B60C0781002 | 187606 | 334346 | 54.80 | -69.00  | -71.00  | 15/09/1983 | 28/12/2003 | 443    | 14             | DINOloket   |
| B60C0781003 | 187606 | 334346 | 54.80 | -115.00 | -117.00 | 15/09/1983 | 28/12/2003 | 440    | 14             | DINOloket   |
| B60C0786001 | 188910 | 336030 | 40.56 | -83.54  | -93.54  | 14/01/1980 | 05/04/1988 | 161    | 21             | DINOloket   |
| B60C0793001 | 187765 | 335968 | 40.97 | 23.74   | 20.74   | 15/09/1983 | 05/07/2011 | 2023   | 1              | DINOloket   |
| B60C0793002 | 187765 | 335968 | 40.97 | -57.26  | -62.26  | 15/09/1983 | 02/10/2018 | 6958   | 1              | DINOloket   |
| B60C0793003 | 187765 | 335968 | 40.97 | -87.26  | -92.26  | 15/09/1983 | 25/04/2018 | 6859   | 1              | DINOloket   |

| naam        | xCoor  | yCoor  | mvNAP  | BKfilt  | OKfilt  | datum1     | laatste    | aantal | laatste dt [d] | bron        |
|-------------|--------|--------|--------|---------|---------|------------|------------|--------|----------------|-------------|
| B60C0793004 | 187765 | 335968 | 40.97  | -148.26 | -153.26 | 15/09/1983 | 21/04/2004 | 1743   | 1              | DINOloket   |
| B60C0794001 | 187780 | 335295 | 47.17  | 24.17   | 21.17   | 15/09/1983 | 02/10/2018 | 7027   | 1              | DINOloket   |
| B60C0794002 | 187780 | 335295 | 47.17  | 4.17    | -0.83   | 15/09/1983 | 02/10/2018 | 7027   | 1              | DINOloket   |
| B60C0794003 | 187780 | 335295 | 47.17  | -42.83  | -47.83  | 15/09/1983 | 06/07/2018 | 6939   | 1              | DINOloket   |
| B60C0794004 | 187780 | 335295 | 47.17  | -124.23 | -129.23 | 15/09/1983 | 02/10/2018 | 6772   | 1              | DINOloket   |
| B60C0796001 | 188335 | 333837 | 45.65  | -112.65 | -132.65 | 15/09/1983 | 02/12/1991 | 189    | 17             | DINOloket   |
| B60C0799001 | 189175 | 330460 | 82.27  | 62.27   | 59.27   | 14/01/1986 | 31/12/2013 | 4684   | 1              | DINOloket   |
| B60C0799002 | 189175 | 330460 | 82.27  | 16.27   | 13.27   | 14/01/1986 | 31/12/2013 | 5022   | 1              | DINOloket   |
| B60C0799003 | 189175 | 330460 | 82.27  | 5.27    | 2.27    | 14/01/1986 | 31/12/2013 | 3651   | 1              | DINOloket   |
| B60C0799004 | 189175 | 330460 | 82.27  | -25.73  | -38.73  | 14/01/1986 | 09/10/2013 | 4939   | 1              | DINOloket   |
| B60C0814001 | 187455 | 333925 | 56.90  | -       | -       | 29/09/1983 | 30/10/1984 | 12     | 33             | DINOloket   |
| B60C0838001 | 184406 | 330212 | 71.93  | 47.93   | 42.93   | 14/03/1980 | 13/08/2001 | 330    | 31             | DINOloket   |
| B60C0839001 | 188947 | 327776 | 76.55  | 65.76   | 60.76   | 14/01/1980 | 03/06/2024 | 3637   | 1              | provLimburg |
| B60C0839002 | 188947 | 327776 | 76.55  | -70.40  | -75.40  | 14/01/1980 | 03/06/2024 | 4729   | 1              | provLimburg |
| B60C0839003 | 188947 | 327776 | 76.55  | -110.40 | -115.40 | 14/01/1980 | 03/06/2024 | 4235   | 1              | provLimburg |
| B60C0845001 | 187555 | 334040 | 56.47  | 41.47   | 37.97   | 29/09/1983 | 14/08/1995 | 251    | 17             | DINOloket   |
| B60C0860001 | 182610 | 330314 | 65.45  | 48.84   | 46.34   | 23/01/1987 | 03/06/2024 | 3113   | 1              | provLimburg |
| B60C0860002 | 182610 | 330314 | 65.45  | -104.66 | -109.66 | 23/01/1987 | 03/06/2024 | 4114   | 1              | provLimburg |
| B60C0860003 | 182610 | 330314 | 65.45  | -169.66 | -174.66 | 23/01/1987 | 03/06/2024 | 4564   | 1              | provLimburg |
| B60C0860004 | 182610 | 330314 | 65.45  | -244.66 | -249.66 | 23/01/1987 | 03/06/2024 | 4562   | 1              | provLimburg |
| B60C0866001 | 187460 | 333895 | 57.12  | 18.70   | 14.50   | 15/02/1993 | 14/08/1995 | 52     | 17             | DINOloket   |
| B60C0892001 | 188736 | 326867 | 116.10 | 86.35   | 83.35   | 16/07/1984 | 14/09/1987 | 68     | 17             | DINOloket   |
| B60C0892002 | 188736 | 326867 | 116.10 | 66.20   | 63.20   | 16/07/1984 | 14/09/1987 | 68     | 17             | DINOloket   |
| B60C0894001 | 188500 | 326820 | 99.62  | 78.62   | 75.62   | 16/07/1984 | 17/01/1994 | 171    | 751            | DINOloket   |
| B60C0894002 | 188500 | 326820 | 99.62  | 51.62   | 48.62   | 16/07/1984 | 17/01/1994 | 171    | 751            | DINOloket   |
| B60C0900001 | 188590 | 326290 | 119.34 | 82.34   | 79.34   | 16/07/1984 | 17/01/1994 | 169    | 751            | DINOloket   |
| B60C0900002 | 188590 | 326290 | 119.34 | 73.34   | 70.34   | 16/07/1984 | 17/01/1994 | 170    | 751            | DINOloket   |
| B60C0903001 | 186930 | 337025 | 37.20  | 15.20   | 13.20   | 03/06/1985 | 02/10/2018 | 6732   | 1              | DINOloket   |
| B60C0903002 | 186930 | 337025 | 37.20  | -95.80  | -97.80  | 17/09/1984 | 06/07/2018 | 6896   | 1              | DINOloket   |
| B60C0903003 | 186930 | 337025 | 37.20  | -120.80 | -122.80 | 17/09/1984 | 02/10/2018 | 7017   | 1              | DINOloket   |
| B60C0903004 | 186930 | 337025 | 37.20  | -145.80 | -147.80 | 17/09/1984 | 02/10/2018 | 7018   | 1              | DINOloket   |
| B60C0944001 | 188766 | 327166 | 101.89 | -       | -       | 14/09/1988 | 28/12/1991 | 79     | 14             | DINOloket   |
| B60C0944002 | 188766 | 327166 | 101.89 | -       | -       | 14/09/1988 | 17/01/1994 | 80     | 751            | DINOloket   |
| B60C0945001 | 188586 | 326975 | 100.20 | -       | -       | 14/09/1988 | 17/01/1994 | 80     | 751            | DINOloket   |
| B60C0945002 | 188586 | 326975 | 100.20 | -       | -       | 14/09/1988 | 17/01/1994 | 80     | 751            | DINOloket   |
| B60C0976001 | 182680 | 335750 | 43.74  | 27.74   | 25.74   | 26/01/1995 | 30/03/1995 | 2      | 63             | DINOloket   |
| B60C0977001 | 182590 | 335910 | 37.31  | 27.31   | 25.31   | 26/01/1995 | 30/03/1995 | 2      | 63             | DINOloket   |
| B60C0979001 | 182455 | 336000 | 35.57  | 27.97   | 25.97   | 26/01/1995 | 30/03/1995 | 2      | 63             | DINOloket   |
| B60C0984001 | 182910 | 335510 | 48.05  | 37.05   | 35.05   | 26/01/1995 | 30/03/1995 | 2      | 63             | DINOloket   |
| B60C0987001 | 180895 | 331200 | 38.64  | 28.14   | 26.14   | 26/01/1995 | 29/06/2009 | 764    | 14             | DINOloket   |
| B60C0990001 | 184677 | 333428 | 58.80  | 41.30   | 39.30   | 14/06/1994 | 03/06/2024 | 4545   | 1              | provLimburg |
| B60C0992001 | 181310 | 331131 | 53.83  | 42.18   | 40.18   | 14/06/1994 | 03/06/2024 | 5120   | 1              | provLimburg |
| B60C0995001 | 182016 | 332165 | 53.80  | 37.56   | 35.56   | 14/06/1994 | 03/06/2024 | 4530   | 1              | provLimburg |
| B60C0997001 | 186917 | 331628 | 58.95  | 43.90   | 41.90   | 14/06/1994 | 04/06/2024 | 4745   | 1              | provLimburg |

| naam        | xCoor  | yCoor  | mvNAP  | BKfilt  | OKfilt  | datum1     | laatste    | aantal | laatste dt [d] | bron        |
|-------------|--------|--------|--------|---------|---------|------------|------------|--------|----------------|-------------|
| B60C1025001 | 183325 | 333505 | 53.24  | -       | -       | 15/11/1996 | 31/12/2007 | 251    | 14             | DINOloket   |
| B60C1059001 | 180145 | 325225 | 43.29  | 35.29   | 33.29   | 15/04/1991 | 02/10/2018 | 6733   | 1              | DINOloket   |
| B60C1059002 | 180145 | 325225 | 43.29  | 24.79   | 22.29   | 15/04/1991 | 02/10/2018 | 6885   | 1              | DINOloket   |
| B60C1059003 | 180145 | 325225 | 43.29  | 12.29   | 10.29   | 15/04/1991 | 02/10/2018 | 6529   | 1              | DINOloket   |
| B60C1131001 | 182363 | 335387 | 46.87  | 30.70   | 27.70   | 14/06/1993 | 03/06/2024 | 4417   | 1              | provLimburg |
| B60C1131002 | 182363 | 335387 | 46.87  | 6.70    | 3.70    | 14/06/1993 | 03/06/2024 | 4488   | 1              | provLimburg |
| B60C1131003 | 182363 | 335387 | 46.87  | -61.30  | -64.30  | 14/06/1993 | 04/06/2024 | 3741   | 1              | provLimburg |
| B60C1131004 | 182363 | 335387 | 46.87  | -82.30  | -85.30  | 14/06/1993 | 04/06/2024 | 3861   | 1              | provLimburg |
| B60C1131005 | 182363 | 335387 | 46.87  | -153.30 | -158.30 | 14/06/1993 | 04/06/2024 | 3597   | 1              | provLimburg |
| B60C1132001 | 180457 | 331059 | 46.90  | 30.84   | 27.84   | 15/06/1993 | 03/06/2024 | 4449   | 1              | provLimburg |
| B60C1132002 | 180457 | 331059 | 46.90  | -35.66  | -38.66  | 15/06/1993 | 03/06/2024 | 4451   | 1              | provLimburg |
| B60C1132003 | 180457 | 331059 | 46.90  | -50.16  | -53.16  | 15/06/1993 | 03/06/2024 | 4515   | 1              | provLimburg |
| B60C1132004 | 180457 | 331059 | 46.90  | -116.16 | -121.16 | 15/06/1993 | 03/06/2024 | 4971   | 1              | provLimburg |
| B60C1145001 | 185177 | 326622 | 119.16 | 92.11   | 89.11   | 27/04/1995 | 03/06/2024 | 4420   | 1              | provLimburg |
| B60C1146001 | 187910 | 329212 | 110.35 | 54.13   | 51.13   | 15/05/1995 | 03/06/2024 | 4537   | 1              | provLimburg |
| B60C1147001 | 189924 | 331884 | 83.90  | 47.83   | 44.83   | 27/04/1995 | 03/06/2024 | 4630   | 1              | provLimburg |
| B60C1163001 | 184054 | 327217 | 97.20  | 75.14   | 70.14   | 15/11/1996 | 03/06/2024 | 4520   | 1              | provLimburg |
| B60C1163002 | 184054 | 327217 | 97.20  | 27.14   | 22.14   | 15/11/1996 | 03/06/2024 | 4372   | 1              | provLimburg |
| B60C1163003 | 184054 | 327217 | 97.20  | -40.86  | -45.86  | 15/11/1996 | 03/06/2024 | 4341   | 1              | provLimburg |
| B60C1164001 | 186342 | 328896 | 63.30  | 53.80   | 51.80   | 15/11/1996 | 03/06/2024 | 4364   | 1              | provLimburg |
| B60C1164002 | 186342 | 328896 | 63.30  | 48.80   | 45.80   | 15/11/1996 | 03/06/2024 | 4365   | 1              | provLimburg |
| B60C1164003 | 186342 | 328896 | 63.30  | 9.80    | 6.80    | 15/11/1996 | 03/06/2024 | 4365   | 1              | provLimburg |
| B60C1164004 | 186342 | 328896 | 63.30  | -74.20  | -79.20  | 15/11/1996 | 03/06/2024 | 4222   | 1              | provLimburg |
| B60C1177001 | 188699 | 336091 | 40.40  | 21.40   | 13.40   | 14/01/1993 | 28/09/2004 | 274    | 13             | DINOloket   |
| B60C1207001 | 185505 | 335920 | 49.00  | 30.79   | 29.79   | 14/10/1997 | 21/04/2004 | 1445   | 1              | DINOloket   |
| B60C1208001 | 187710 | 336564 | 38.80  | 15.74   | 14.74   | 15/09/1997 | 09/11/2015 | 1317   | 1              | DINOloket   |
| B60C1474001 | 182741 | 336377 | 34.24  | 31.24   | 29.24   | 28/04/2000 | 09/09/2015 | 4361   | 1              | DINOloket   |
| B60C1479001 | 182418 | 336463 | 35.24  | 29.20   | 27.20   | 28/04/2000 | 12/02/2015 | 4033   | 1              | DINOloket   |
| B60C2291001 | 187730 | 334380 | 54.18  | 43.88   | 36.38   | 29/03/1954 | 30/10/1984 | 324    | 33             | DINOloket   |
| B60C2292001 | 187710 | 334350 | 53.77  | 43.37   | 35.37   | 29/03/1954 | 30/10/1984 | 339    | 33             | DINOloket   |
| B60C2293001 | 183110 | 326350 | 98.48  | -       | 93.16   | 13/08/1952 | 28/04/2000 | 1128   | 14             | DINOloket   |
| B60C2294001 | 187720 | 325440 | 118.07 | -       | 91.50   | 14/11/1961 | 28/05/1969 | 66     | 166            | DINOloket   |
| B60C2299001 | 185400 | 336800 | 39.08  | 37.17   | 36.67   | 14/07/1986 | 29/11/2020 | 602    | 13             | DINOloket   |
| B60C2304001 | 183990 | 326140 | 98.67  | -       | -       | 13/08/1952 | 28/04/2000 | 580    | 14             | DINOloket   |
| B60C2307001 | 180340 | 326840 | 42.21  | -89.69  | -94.69  | 01/12/2003 | 02/10/2018 | 5325   | 1              | DINOloket   |
| B60C2308001 | 180220 | 325930 | 42.75  | -24.48  | -29.48  | 01/12/2003 | 02/10/2018 | 5235   | 1              | DINOloket   |
| B60C2322001 | 189170 | 335930 | 40.60  | 20.60   | 17.60   | 17/03/1997 | 18/12/2023 | 609    | 20             | provLimburg |
| B60C2322002 | 189170 | 335930 | 40.60  | -82.42  | -85.42  | 17/03/1997 | 18/12/2023 | 609    | 20             | provLimburg |
| B60C2323001 | 188715 | 335970 | 40.36  | 19.36   | 16.36   | 17/03/1997 | 18/12/2023 | 617    | 20             | provLimburg |
| B60C2323002 | 188715 | 335970 | 40.36  | -85.67  | -88.67  | 17/03/1997 | 18/12/2023 | 616    | 20             | provLimburg |
| B60C2324001 | 188309 | 336324 | -      | -       | -       | 28/06/1999 | 14/09/2008 | 149    | 17             | DINOloket   |
| B60C2324002 | 188309 | 336324 | -      | -       | -       | 28/06/1999 | 14/09/2008 | 149    | 17             | DINOloket   |
| B60C2331001 | 180588 | 327853 | 39.96  | 27.86   | 25.86   | 12/09/2006 | 27/01/2016 | 3195   | 1              | DINOloket   |
| B60C2332001 | 181348 | 327721 | 79.72  | 48.12   | 46.12   | 02/09/2006 | 27/01/2016 | 3312   | 1              | DINOloket   |



| naam        | xCoor  | yCoor  | mvNAP | BKfilt | OKfilt | datum1     | laatste    | aantal | laatste dt [d] | bron        |
|-------------|--------|--------|-------|--------|--------|------------|------------|--------|----------------|-------------|
| B60C2333001 | 181062 | 328912 | 48.75 | 28.50  | 26.50  | 02/09/2006 | 27/01/2016 | 3285   | 1              | DINOloket   |
| B60C3587001 | 180608 | 327879 | 39.71 | 38.71  | 37.71  | 23/03/2016 | 20/12/2016 | 273    | 1              | DINOloket   |
| B60C3588001 | 180730 | 328304 | 39.75 | -      | -      | 02/12/2011 | 09/09/2015 | 751    | 1              | DINOloket   |
| B60C3589001 | 180504 | 327347 | 39.80 | -      | -      | 02/12/2011 | 30/01/2013 | 336    | 1              | DINOloket   |
| B60C3590001 | 180963 | 328650 | 39.26 | -      | -      | 20/01/2012 | 08/09/2015 | 700    | 1              | DINOloket   |
| B60C3591001 | 180663 | 331576 | 35.95 | -      | -      | 22/11/2011 | 30/01/2013 | 346    | 1              | DINOloket   |
| B60C3592001 | 181538 | 333421 | 45.53 | 43.83  | 42.83  | 22/11/2011 | 30/01/2013 | 346    | 1              | DINOloket   |
| B60C3593001 | 181562 | 333382 | 46.78 | 45.39  | 44.39  | 22/11/2011 | 30/01/2013 | 346    | 1              | DINOloket   |
| B60C3594001 | 181596 | 333331 | 48.00 | 47.00  | 46.00  | 22/11/2011 | 30/01/2013 | 346    | 1              | DINOloket   |
| B60C3595001 | 181939 | 334468 | 46.94 | 43.44  | 42.44  | 22/11/2011 | 20/12/2016 | 539    | 1              | DINOloket   |
| B60C3596001 | 181791 | 334473 | 47.00 | 43.90  | 42.90  | 22/11/2011 | 30/01/2013 | 346    | 1              | DINOloket   |
| B60C3597001 | 181791 | 334755 | 48.33 | 45.63  | 44.63  | 22/11/2011 | 30/01/2013 | 346    | 1              | DINOloket   |
| B60C3598001 | 181772 | 334966 | 48.13 | 45.23  | 44.23  | 22/11/2011 | 30/01/2013 | 346    | 1              | DINOloket   |
| B60C3599001 | 180672 | 330484 | 44.50 | -      | -      | 22/11/2011 | 30/01/2013 | 346    | 1              | DINOloket   |
| B60C3601001 | 181252 | 329369 | 50.73 | 46.24  | 42.24  | 23/11/2011 | 02/11/2016 | 1571   | 1              | DINOloket   |
| B60C3602001 | 180797 | 329996 | 39.60 | 33.11  | 31.11  | 05/12/2011 | 30/01/2013 | 333    | 1              | DINOloket   |
| B60C3603001 | 181236 | 328886 | 62.31 | 51.31  | 49.31  | 23/11/2011 | 30/01/2013 | 345    | 1              | DINOloket   |
| B60C3604001 | 181362 | 329089 | 61.48 | 49.48  | 47.48  | 02/12/2011 | 30/01/2013 | 336    | 1              | DINOloket   |
| B60C3650001 | 181101 | 330022 | 57.57 | 44.58  | 42.58  | 02/12/2011 | 30/01/2013 | 336    | 1              | DINOloket   |
| B60C3651001 | 180663 | 331202 | 36.56 | 33.06  | 28.46  | 21/01/2012 | 08/09/2015 | 1144   | 1              | DINOloket   |
| B60C3652001 | 181571 | 333282 | 48.95 | 35.45  | 33.45  | 23/11/2011 | 09/12/2016 | 1597   | 1              | DINOloket   |
| B60C3653001 | 181656 | 333162 | 51.35 | 32.35  | 30.35  | 02/12/2011 | 24/01/2017 | 1195   | 46             | DINOloket   |
| B60C3654001 | 181775 | 333397 | 47.35 | 33.86  | 31.86  | 02/12/2011 | 30/01/2013 | 336    | 1              | DINOloket   |
| B60C3655001 | 182080 | 334362 | 47.30 | 33.71  | 31.71  | 02/12/2011 | 24/01/2017 | 1563   | 39             | DINOloket   |
| B60C3656001 | 181878 | 334479 | 46.83 | 35.83  | 33.83  | 22/11/2011 | 30/01/2013 | 346    | 1              | DINOloket   |
| B60C3657001 | 182961 | 336285 | 43.75 | 33.56  | 31.56  | 23/11/2011 | 30/01/2017 | 1210   | 1              | DINOloket   |
| B60C3658001 | 182783 | 336163 | 42.81 | 31.81  | 29.81  | 23/11/2011 | 30/01/2017 | 995    | 1              | DINOloket   |
| B60C3659001 | 182853 | 336301 | 42.56 | 33.57  | 31.57  | 22/11/2011 | 30/01/2017 | 1818   | 1              | DINOloket   |
| B60C3660001 | 183502 | 336201 | 47.44 | 36.45  | 34.45  | 23/11/2011 | 09/12/2016 | 375    | 1              | DINOloket   |
| B60C3661001 | 181909 | 333170 | 50.49 | 43.50  | 38.50  | 02/12/2011 | 30/01/2013 | 336    | 1              | DINOloket   |
| B60C3686001 | 184952 | 328483 | 68.94 | 63.79  | 62.79  | 21/09/2010 | 08/04/2014 | 1296   | 1              | DINOloket   |
| B60C3687001 | 186987 | 330100 | 53.15 | 48.22  | 47.22  | 21/09/2010 | 25/04/2017 | 2337   | 1              | DINOloket   |
| B60C3688001 | 186799 | 330163 | 55.15 | 50.43  | 49.43  | 21/09/2010 | 25/04/2017 | 2231   | 1              | DINOloket   |
| B60C3689001 | 187524 | 331381 | 52.68 | 48.62  | 47.62  | 21/09/2010 | 14/05/2019 | 2952   | 1              | provLimburg |
| B60C3690001 | 188292 | 332172 | 50.43 | 48.27  | 47.27  | 21/09/2010 | 25/04/2017 | 2193   | 1              | DINOloket   |
| B60C3748001 | 180861 | 330146 | 46.05 | 35.10  | 29.10  | 22/10/2013 | 07/06/2016 | 956    | 1              | DINOloket   |
| B60C3749001 | 180744 | 330269 | 46.95 | 32.00  | 30.00  | 22/10/2013 | 07/06/2016 | 955    | 1              | DINOloket   |
| B60C3750001 | 183029 | 336455 | 43.41 | 23.40  | 18.40  | 21/10/2013 | 15/12/2016 | 651    | 1              | DINOloket   |
| B60C3751001 | 181555 | 333004 | 48.24 | 30.20  | 28.20  | 22/10/2013 | 30/01/2017 | 556    | 1              | DINOloket   |
| B60C3752001 | 181968 | 334387 | 46.61 | 32.60  | 30.60  | 21/10/2013 | 03/11/2016 | 907    | 90             | DINOloket   |
| B60C3753001 | 180940 | 328401 | 40.17 | 17.70  | 15.20  | 27/11/2013 | 09/09/2015 | 650    | 1              | DINOloket   |
| B60C3755001 | 180513 | 331347 | 37.44 | 28.90  | 26.90  | 22/10/2013 | 09/09/2015 | 688    | 1              | DINOloket   |
| B60C3756001 | 181452 | 333161 | 33.81 | 23.80  | 22.80  | 22/10/2013 | 20/12/2016 | 825    | 1              | DINOloket   |
| B60C3764001 | 187695 | 336571 | 38.68 | 29.92  | 28.92  | 08/04/2016 | 03/06/2024 | 2967   | 1              | provLimburg |

| naam        | xCoor  | yCoor  | mvNAP | BKfilt | OKfilt | datum1     | laatste    | aantal | laatste dt [d] | bron        |
|-------------|--------|--------|-------|--------|--------|------------|------------|--------|----------------|-------------|
| B60C3764002 | 187695 | 336571 | 38.68 | 17.40  | 15.40  | 08/04/2016 | 03/06/2024 | 2900   | 1              | provLimburg |
| B60C3765001 | 187840 | 327768 | 76.32 | 72.22  | 71.22  | 31/07/2015 | 25/04/2017 | 406    | 1              | DINOloket   |
| B60C3766001 | 187916 | 327763 | 75.82 | 74.62  | 73.62  | 31/07/2015 | 25/04/2017 | 406    | 1              | DINOloket   |
| B60C3770001 | 182697 | 336059 | 38.56 | 36.56  | 32.56  | 16/09/2014 | 25/08/2015 | 344    | 1              | DINOloket   |
| B60C3771001 | 182769 | 336169 | 39.74 | 32.74  | 30.74  | 16/09/2014 | 12/02/2015 | 113    | 1              | DINOloket   |
| B60C3772001 | 182834 | 336307 | 41.50 | 35.00  | 33.00  | 16/09/2014 | 09/09/2015 | 359    | 1              | DINOloket   |
| B60C3778001 | 180059 | 326028 | 42.64 | 26.60  | 25.60  | 24/06/2015 | 09/09/2015 | 78     | 1              | DINOloket   |
| B60C3780001 | 180745 | 328339 | 39.58 | 34.10  | 31.60  | 08/08/2013 | 09/09/2015 | 763    | 1              | DINOloket   |
| B60C3781001 | 181029 | 328756 | 45.27 | 33.80  | 31.30  | 08/08/2013 | 09/06/2016 | 815    | 1              | DINOloket   |
| B60C3782001 | 181233 | 328869 | 62.62 | 46.60  | 41.60  | 09/07/2013 | 09/09/2015 | 793    | 1              | DINOloket   |
| B60C3783001 | 181362 | 329083 | 61.39 | 44.90  | 39.90  | 09/07/2013 | 09/09/2015 | 793    | 1              | DINOloket   |
| B60C3784001 | 181412 | 329303 | 61.55 | 44.60  | 37.10  | 08/08/2013 | 12/02/2015 | 553    | 1              | DINOloket   |
| B60C3785001 | 181292 | 329748 | 62.06 | 41.07  | 36.07  | 08/08/2013 | 15/09/2014 | 404    | 1              | DINOloket   |
| B60C3786001 | 181176 | 329934 | 59.42 | 42.40  | 37.40  | 17/09/2013 | 07/06/2016 | 828    | 1              | DINOloket   |
| B60C3787001 | 181028 | 329988 | 46.37 | 36.90  | 34.40  | 17/09/2013 | 19/12/2016 | 1190   | 1              | DINOloket   |
| B60C3788001 | 180507 | 331155 | 46.89 | 29.40  | 26.90  | 09/07/2013 | 15/03/2016 | 961    | 1              | DINOloket   |
| B60C3789001 | 180764 | 331429 | 46.53 | 27.50  | 25.00  | 08/08/2013 | 03/04/2016 | 931    | 1              | DINOloket   |
| B60C3790001 | 181947 | 334257 | 46.38 | 32.90  | 30.40  | 09/07/2013 | 20/12/2016 | 1253   | 1              | DINOloket   |
| B60C3791001 | 182078 | 334535 | 47.27 | 34.50  | 32.00  | 17/09/2013 | 05/02/2015 | 507    | 1              | DINOloket   |
| B60C3792001 | 182263 | 334883 | 51.54 | 35.50  | 30.50  | 08/08/2013 | 16/12/2016 | 1227   | 1              | DINOloket   |
| B60C3793001 | 182267 | 335048 | 48.76 | 31.80  | 26.80  | 09/07/2013 | 09/09/2015 | 706    | 1              | DINOloket   |
| B60C3794001 | 182375 | 335235 | 48.88 | 30.90  | 25.90  | 09/07/2013 | 12/02/2015 | 584    | 1              | DINOloket   |
| B60C3795001 | 182569 | 335565 | 45.83 | 32.30  | 29.80  | 09/07/2013 | 15/09/2014 | 434    | 1              | DINOloket   |
| B60C3796001 | 182671 | 335727 | 43.80 | 30.30  | 27.80  | 21/10/2013 | 09/09/2015 | 689    | 1              | DINOloket   |
| B60C3797001 | 182867 | 336079 | 44.64 | 33.60  | 28.60  | 09/07/2013 | 21/09/2015 | 805    | 1              | DINOloket   |
| B60C3798001 | 183115 | 336658 | 42.30 | 31.30  | 26.30  | 09/07/2013 | 15/12/2016 | 776    | 1              | DINOloket   |
| B60C3801001 | 180632 | 328393 | 39.96 | 33.50  | 31.00  | 08/08/2013 | 07/11/2016 | 1188   | 1              | DINOloket   |
| B60C3802001 | 180735 | 328592 | 39.73 | 33.70  | 31.20  | 08/08/2013 | 09/09/2015 | 763    | 1              | DINOloket   |
| B60C3803001 | 180870 | 328747 | 40.39 | 34.40  | 31.90  | 08/08/2013 | 08/01/2016 | 755    | 1              | DINOloket   |
| B60C3804001 | 181048 | 328884 | 47.23 | 41.90  | 38.40  | 08/08/2013 | 09/09/2015 | 755    | 1              | DINOloket   |
| B60C3805001 | 181236 | 329205 | 54.04 | 41.50  | 36.50  | 08/08/2013 | 02/11/2016 | 1038   | 146            | DINOloket   |
| B60C3806001 | 181230 | 329560 | 49.38 | 38.90  | 36.40  | 08/08/2013 | 09/09/2015 | 692    | 1              | DINOloket   |
| B60C3807001 | 181136 | 329711 | 49.38 | 38.40  | 33.40  | 08/08/2013 | 09/09/2015 | 763    | 1              | DINOloket   |
| B60C3808001 | 180880 | 330021 | 47.13 | 36.10  | 31.10  | 09/07/2013 | 05/02/2015 | 577    | 1              | DINOloket   |
| B60C3809001 | 180743 | 330173 | 47.00 | 32.50  | 30.00  | 09/07/2013 | 05/02/2015 | 577    | 1              | DINOloket   |
| B60C3810001 | 181702 | 333317 | 45.16 | 31.30  | 28.80  | 08/08/2013 | 18/03/2015 | 566    | 1              | DINOloket   |
| B60C3811001 | 182004 | 334630 | 47.28 | 33.80  | 31.30  | 08/08/2013 | 19/12/2016 | 1230   | 1              | DINOloket   |
| B60C3812001 | 182083 | 334828 | 47.08 | 33.10  | 28.10  | 08/08/2013 | 19/12/2016 | 1221   | 1              | DINOloket   |
| B60C3813001 | 182157 | 335016 | 48.52 | 32.50  | 30.00  | 08/08/2013 | 30/01/2017 | 1173   | 1              | DINOloket   |
| B60C3814001 | 182242 | 335176 | 48.01 | 34.00  | 29.00  | 09/07/2013 | 30/01/2017 | 1206   | 1              | DINOloket   |
| B60C3815001 | 182335 | 335345 | 47.28 | 33.30  | 28.30  | 09/07/2013 | 30/01/2017 | 1176   | 1              | DINOloket   |
| B60C3816001 | 182435 | 335521 | 46.68 | 33.20  | 30.70  | 09/07/2013 | 30/01/2017 | 1179   | 1              | DINOloket   |
| B60C3817001 | 182539 | 335696 | 44.30 | 31.80  | 29.30  | 09/07/2013 | 18/01/2017 | 1056   | 33             | DINOloket   |
| B60C3818001 | 182640 | 335880 | 42.70 | 30.20  | 27.70  | 09/07/2013 | 30/01/2017 | 1180   | 1              | DINOloket   |

| naam        | xCoor  | yCoor  | mvNAP  | BKfilt  | OKfilt  | datum1     | laatste    | aantal | laatste dt [d] | bron        |
|-------------|--------|--------|--------|---------|---------|------------|------------|--------|----------------|-------------|
| B60C3819001 | 182726 | 336039 | 43.07  | 29.60   | 27.10   | 08/08/2013 | 09/09/2015 | 460    | 1              | DINOloket   |
| B60C3820001 | 182969 | 336553 | 46.76  | 32.80   | 29.30   | 08/08/2013 | 23/11/2016 | 901    | 1              | DINOloket   |
| B60C3821001 | 183017 | 336718 | 51.85  | 29.40   | 26.90   | 08/08/2013 | 23/11/2016 | 1204   | 1              | DINOloket   |
| B60C3824001 | 180905 | 328629 | 39.42  | 34.70   | 32.20   | 17/09/2013 | 09/09/2015 | 256    | 1              | DINOloket   |
| B60C3825001 | 181409 | 329534 | 61.83  | 44.30   | 39.30   | 08/08/2013 | 09/06/2016 | 1035   | 1              | DINOloket   |
| B60C3826001 | 182119 | 334681 | 48.23  | 30.70   | 23.20   | 17/09/2013 | 09/09/2015 | 723    | 1              | DINOloket   |
| B60C3827001 | 182459 | 335394 | 47.90  | 31.90   | 26.90   | 08/08/2013 | 14/12/2016 | 839    | 6              | DINOloket   |
| B60C3828001 | 182769 | 335906 | 44.90  | 32.40   | 24.90   | 08/08/2013 | 06/02/2015 | 547    | 1              | DINOloket   |
| B60C3829001 | 181147 | 329023 | 51.42  | 38.40   | 35.90   | 08/08/2013 | 09/09/2015 | 758    | 1              | DINOloket   |
| B60C3830001 | 181005 | 329872 | 46.64  | 35.10   | 27.60   | 08/08/2013 | 09/09/2015 | 758    | 1              | DINOloket   |
| B60C3831001 | 180605 | 330324 | 47.03  | 33.50   | 28.50   | 08/08/2013 | 05/02/2015 | 538    | 1              | DINOloket   |
| B60C3832001 | 182901 | 336405 | 43.82  | 29.80   | 22.30   | 17/09/2013 | 01/12/2016 | 843    | 1              | DINOloket   |
| B60C3836001 | 180181 | 326903 | 41.83  | 35.69   | 34.69   | 15/01/2016 | 04/01/2018 | 690    | 1              | DINOloket   |
| B60C3837001 | 187208 | 328648 | 58.54  | 57.97   | 57.47   | 15/02/2017 | 23/04/2024 | 1066   | 1              | provLimburg |
| B60C3838001 | 189195 | 325283 | 84.42  | 83.96   | 83.46   | 14/02/2017 | 23/04/2024 | 2458   | 1              | provLimburg |
| B60C3839001 | 188885 | 328005 | 65.26  | 64.70   | 64.20   | 15/02/2017 | 23/04/2024 | 2620   | 1              | provLimburg |
| B60C3840001 | 180797 | 330212 | 46.96  | 35.05   | 29.05   | 29/01/2016 | 07/06/2016 | 127    | 1              | DINOloket   |
| B60C3845001 | 182221 | 335450 | 46.24  | 29.25   | 28.25   | 02/08/2016 | 15/12/2016 | 136    | 1              | DINOloket   |
| B60C3846001 | 182044 | 335540 | 37.14  | 28.00   | 27.00   | 02/08/2016 | 15/12/2016 | 136    | 1              | DINOloket   |
| B60C3847001 | 181959 | 334972 | 46.09  | 34.00   | 33.00   | 22/07/2016 | 19/12/2016 | 151    | 1              | DINOloket   |
| B60C3848001 | 181772 | 335042 | 47.41  | 44.00   | 32.50   | 18/07/2016 | 19/12/2016 | 155    | 1              | DINOloket   |
| B60C3849001 | 182835 | 336308 | 41.63  | 35.00   | 33.00   | 10/09/2015 | 24/05/2016 | 258    | 1              | DINOloket   |
| B60C4056001 | 181984 | 332778 | 53.69  | -37.31  | -47.31  | 19/09/2019 | 04/06/2024 | 1718   | 1              | provLimburg |
| B60C4056002 | 181984 | 332778 | 53.69  | -120.54 | -130.54 | 19/09/2019 | 04/06/2024 | 1718   | 1              | provLimburg |
| B60C4119001 | 181995 | 332783 | 53.27  | -327.12 | -356.72 | 09/02/2020 | 04/06/2024 | 1565   | 1              | provLimburg |
| B60C4246001 | 187672 | 329920 | 96.76  | -41.25  | -45.25  | 26/02/2021 | 04/06/2024 | 1194   | 1              | provLimburg |
| B60C4246002 | 187672 | 329920 | 96.76  | -87.30  | -97.30  | 26/02/2021 | 04/06/2024 | 1194   | 1              | provLimburg |
| B60C4246003 | 187672 | 329920 | 96.76  | -204.32 | -214.32 | 26/02/2021 | 04/06/2024 | 1002   | 1              | provLimburg |
| B60C4551001 | 182001 | 325577 | 112.01 | 78.08   | 74.08   | 09/09/2020 | 21/03/2024 | 996    | 1              | provLimburg |
| B60C4552001 | 181706 | 326296 | 107.34 | 79.59   | 75.59   | 09/09/2020 | 21/03/2024 | 1267   | 1              | provLimburg |
| B60C4553001 | 181122 | 325070 | 107.26 | 75.70   | 72.70   | 09/09/2020 | 22/03/2024 | 1113   | 1              | provLimburg |
| B60C4792001 | 181465 | 327266 | 87.35  | 74.42   | 73.42   | 17/06/2022 | 13/11/2023 | 514    | 1              | provLimburg |
| B60C4793001 | 181464 | 327267 | 87.29  | 71.00   | 70.00   | 01/09/2022 | 13/11/2023 | 439    | 1              | provLimburg |
| B60C4794001 | 181464 | 327269 | 87.24  | 65.15   | 64.15   | 01/09/2022 | 13/11/2023 | 439    | 1              | provLimburg |
| B60C4795001 | 181121 | 325071 | 107.27 | 88.87   | 87.87   | 15/09/2020 | 22/03/2024 | 1167   | 1              | provLimburg |
| B60C4796001 | 181124 | 325068 | 107.33 | 79.77   | 78.77   | 01/09/2022 | 21/03/2024 | 567    | 1              | provLimburg |
| B60D0020001 | 198156 | 332091 | 60.30  | 7.07    | 6.07    | 14/01/1981 | 29/03/2004 | 515    | 14             | DINOloket   |
| B60D0020002 | 198156 | 332091 | 60.30  | -3.93   | -4.93   | 14/01/1981 | 29/03/2004 | 515    | 14             | DINOloket   |
| B60D0951001 | 199200 | 328100 | 92.58  | 65.80   | 60.80   | 29/04/1977 | 28/05/1980 | 49     | 26             | DINOloket   |
| B60D0967001 | 199130 | 326680 | 124.58 | 73.58   | 71.58   | 29/04/1977 | 09/04/1979 | 27     | 14             | DINOloket   |
| B60D0969001 | 198456 | 329754 | 84.51  | 82.51   | 81.51   | 29/04/1977 | 28/12/1980 | 68     | 14             | DINOloket   |
| B60D0969002 | 198456 | 329754 | 84.51  | 76.51   | 75.51   | 29/04/1977 | 28/12/1980 | 67     | 14             | DINOloket   |
| B60D0969003 | 198456 | 329754 | 85.43  | 62.51   | 57.51   | 29/04/1977 | 02/12/2020 | 3569   | 1              | DINOloket   |
| B60D0969004 | 198456 | 329754 | 85.43  | 50.51   | 45.51   | 29/04/1977 | 02/12/2020 | 3558   | 1              | DINOloket   |

| naam        | xCoor  | yCoor  | mvNAP  | BKfilt  | OKfilt  | datum1     | laatste    | aantal | laatste dt [d] | bron        |
|-------------|--------|--------|--------|---------|---------|------------|------------|--------|----------------|-------------|
| B60D0970001 | 198320 | 329670 | 85.20  | 76.70   | 75.70   | 29/04/1977 | 27/09/1979 | 37     | 14             | DINOloket   |
| B60D0970002 | 198320 | 329670 | 85.20  | 67.70   | 62.70   | 29/04/1977 | 17/12/2004 | 480    | 14             | DINOloket   |
| B60D0970003 | 198320 | 329670 | 85.20  | 51.20   | 45.20   | 29/04/1977 | 17/01/2012 | 647    | 21             | DINOloket   |
| B60D1017001 | 196930 | 332510 | 54.39  | 49.34   | 48.34   | 14/01/1981 | 13/06/1997 | 346    | 60             | DINOloket   |
| B60D1017002 | 196930 | 332510 | 54.39  | 26.34   | 24.34   | 14/01/1981 | 13/06/1997 | 348    | 46             | DINOloket   |
| B60D1017003 | 196930 | 332510 | 54.39  | -13.66  | -15.66  | 14/01/1981 | 13/06/1997 | 339    | 60             | DINOloket   |
| B60D1017004 | 196930 | 332510 | 54.39  | -30.16  | -32.16  | 14/01/1981 | 13/06/1997 | 349    | 46             | DINOloket   |
| B60D1018001 | 198305 | 331105 | 65.22  | 60.20   | 59.20   | 14/01/1981 | 04/10/2018 | 6811   | 1              | DINOloket   |
| B60D1018002 | 198305 | 331105 | 65.22  | 49.20   | 47.20   | 14/01/1981 | 04/10/2018 | 6992   | 1              | DINOloket   |
| B60D1018003 | 198305 | 331105 | 65.22  | 20.20   | 18.20   | 14/01/1981 | 04/10/2018 | 6871   | 1              | DINOloket   |
| B60D1018004 | 198305 | 331105 | 65.22  | -7.80   | -9.80   | 14/01/1981 | 04/10/2018 | 6993   | 1              | DINOloket   |
| B60D1019001 | 198940 | 332600 | 56.85  | 42.07   | 40.07   | 28/11/1981 | 14/06/1993 | 244    | 17             | DINOloket   |
| B60D1019002 | 198940 | 332600 | 56.85  | 8.07    | 6.07    | 14/01/1981 | 14/06/1993 | 259    | 17             | DINOloket   |
| B60D1019003 | 198940 | 332600 | 56.85  | -17.93  | -19.93  | 14/01/1981 | 14/06/1993 | 260    | 17             | DINOloket   |
| B60D1021001 | 199730 | 326920 | 109.96 | 67.56   | 64.56   | 28/01/1982 | 28/12/1999 | 321    | 26             | DINOloket   |
| B60D1023001 | 199135 | 326705 | 124.60 | 72.40   | 69.40   | 28/01/1982 | 28/12/1999 | 262    | 26             | DINOloket   |
| B60D1025001 | 198420 | 332190 | 57.87  | -11.13  | -13.13  | 01/01/2009 | 31/12/2012 | 1391   | 1              | DINOloket   |
| B60D1025002 | 198420 | 332190 | 57.87  | -75.13  | -77.13  | 01/01/2009 | 31/12/2012 | 1391   | 1              | DINOloket   |
| B60D1025003 | 198420 | 332190 | 57.87  | -85.36  | -86.36  | 01/01/2009 | 31/12/2012 | 1262   | 1              | DINOloket   |
| B60D1027001 | 195070 | 332739 | 51.85  | 31.65   | 29.65   | 12/08/1981 | 03/06/2024 | 4608   | 1              | provLimburg |
| B60D1027002 | 195070 | 332739 | 51.85  | -20.35  | -22.35  | 12/08/1981 | 03/06/2024 | 4541   | 1              | provLimburg |
| B60D1027003 | 195070 | 332739 | 51.88  | -53.35  | -55.35  | 13/01/1982 | 12/04/2001 | 405    | 149            | DINOloket   |
| B60D1027004 | 195070 | 332739 | 51.85  | -141.35 | -143.35 | 12/08/1981 | 03/06/2024 | 4546   | 1              | provLimburg |
| B60D1027005 | 195070 | 332739 | 51.85  | -209.35 | -211.35 | 12/08/1981 | 03/06/2024 | 4605   | 1              | provLimburg |
| B60D1033001 | 190425 | 335945 | 40.72  | 30.72   | 28.72   | 15/09/1983 | 21/04/2004 | 1769   | 1              | DINOloket   |
| B60D1033002 | 190425 | 335945 | 40.72  | -59.28  | -61.28  | 15/09/1983 | 02/10/2018 | 6982   | 1              | DINOloket   |
| B60D1033003 | 190425 | 335945 | 40.72  | -121.28 | -123.28 | 15/09/1983 | 02/10/2018 | 6890   | 1              | DINOloket   |
| B60D1033004 | 190425 | 335945 | 40.72  | -292.28 | -297.28 | 14/04/1992 | 21/04/2004 | 1571   | 1              | DINOloket   |
| B60D1033005 | 190425 | 335945 | 40.72  | -445.28 | -450.28 | 04/01/1988 | 23/05/2018 | 6622   | 1              | DINOloket   |
| B60D1094001 | 199670 | 332660 | 60.60  | 57.60   | 55.60   | 14/07/1992 | 04/10/2018 | 6640   | 1              | DINOloket   |
| B60D1094002 | 199670 | 332660 | 60.60  | 20.60   | 18.60   | 14/07/1992 | 04/10/2018 | 6758   | 1              | DINOloket   |
| B60D1094003 | 199670 | 332660 | 60.60  | -10.40  | -12.40  | 14/07/1992 | 04/10/2018 | 6757   | 1              | DINOloket   |
| B60D1094004 | 199670 | 332660 | 60.60  | -71.40  | -73.40  | 14/07/1992 | 04/10/2018 | 6757   | 1              | DINOloket   |
| B60D1094005 | 199670 | 332660 | 60.60  | -145.40 | -147.40 | 14/07/1992 | 04/10/2018 | 6757   | 1              | DINOloket   |
| B60D1094006 | 199670 | 332660 | 60.60  | -164.40 | -166.40 | 14/07/1992 | 04/10/2018 | 6757   | 1              | DINOloket   |
| B60D1095001 | 198630 | 332570 | 56.93  | 52.75   | 50.75   | 15/06/1992 | 31/10/2018 | 6787   | 1              | DINOloket   |
| B60D1095002 | 198630 | 332570 | 56.93  | 38.75   | 36.75   | 15/06/1992 | 31/10/2018 | 6558   | 1              | DINOloket   |
| B60D1095003 | 198630 | 332570 | 56.93  | 17.75   | 15.75   | 15/06/1992 | 31/10/2018 | 6522   | 1              | DINOloket   |
| B60D1095004 | 198630 | 332570 | 56.93  | -48.25  | -50.25  | 15/06/1992 | 31/10/2018 | 6298   | 1              | DINOloket   |
| B60D1095005 | 198630 | 332570 | 56.93  | -114.25 | -116.25 | 15/06/1992 | 31/10/2018 | 6716   | 1              | DINOloket   |
| B60D1095006 | 198630 | 332570 | 56.93  | -225.25 | -227.25 | 15/06/1992 | 31/10/2018 | 6787   | 1              | DINOloket   |
| B60D1096001 | 197030 | 331840 | 55.46  | 52.46   | 50.46   | 02/06/1992 | 04/10/2018 | 6760   | 1              | DINOloket   |
| B60D1096002 | 197030 | 331840 | 55.46  | 33.46   | 31.46   | 02/06/1992 | 04/10/2018 | 6569   | 1              | DINOloket   |
| B60D1096003 | 197030 | 331840 | 55.46  | -4.54   | -6.54   | 02/06/1992 | 04/10/2018 | 6653   | 1              | DINOloket   |

| naam        | xCoor  | yCoor  | mvNAP  | BKfilt | OKfilt | datum1     | laatste    | aantal | laatste dt [d] | bron        |
|-------------|--------|--------|--------|--------|--------|------------|------------|--------|----------------|-------------|
| B60D1096004 | 197030 | 331840 | 55.46  | -24.54 | -26.54 | 02/06/1992 | 04/10/2018 | 6755   | 1              | DINOloket   |
| B60D1096005 | 197030 | 331840 | 55.46  | -63.14 | -65.14 | 02/06/1992 | 04/10/2018 | 6720   | 1              | DINOloket   |
| B60D1100001 | 198945 | 332600 | 57.12  | 43.12  | 41.12  | 28/04/1993 | 31/10/2018 | 6501   | 1              | DINOloket   |
| B60D1100002 | 198945 | 332600 | 57.12  | 8.12   | 6.12   | 28/04/1993 | 31/10/2018 | 6753   | 1              | DINOloket   |
| B60D1100003 | 198945 | 332600 | 57.12  | -17.88 | -19.88 | 28/04/1993 | 31/10/2018 | 6659   | 1              | DINOloket   |
| B60D1107001 | 199964 | 326699 | 120.08 | 77.98  | 72.98  | 23/07/1993 | 28/12/2023 | 340    | 30             | provLimburg |
| B60D1107002 | 199964 | 326699 | 120.08 | 67.94  | 62.94  | 23/07/1993 | 28/12/2023 | 367    | 30             | provLimburg |
| B60D1108001 | 197500 | 325510 | 113.18 | 87.18  | 86.18  | 01/08/1972 | 06/10/2023 | 6008   | 1              | provLimburg |
| B60D1111001 | 194207 | 326142 | 89.10  | 88.27  | 87.27  | 27/04/1995 | 18/04/2023 | 2438   | 1              | provLimburg |
| B60D1111002 | 194207 | 326142 | 89.10  | 66.02  | 63.02  | 27/04/1995 | 18/04/2023 | 4067   | 1              | provLimburg |
| B60D1112001 | 195010 | 327814 | 98.55  | 79.38  | 74.38  | 27/04/1995 | 03/06/2024 | 4036   | 1              | provLimburg |
| B60D1113001 | 191398 | 330290 | 107.05 | 65.89  | 60.89  | 27/04/1995 | 03/06/2024 | 4163   | 1              | provLimburg |
| B60D1114001 | 197951 | 327709 | 78.65  | 56.49  | 53.49  | 27/04/1995 | 04/06/2024 | 4247   | 1              | provLimburg |
| B60D1115001 | 197529 | 330023 | 82.68  | 73.86  | 70.86  | 27/04/1995 | 04/06/2024 | 4331   | 1              | provLimburg |
| B60D1115002 | 197529 | 330023 | 82.68  | 50.56  | 48.56  | 27/04/1995 | 04/06/2024 | 4484   | 1              | provLimburg |
| B60D1116001 | 193553 | 332067 | 66.95  | 47.70  | 44.70  | 15/05/1995 | 03/06/2024 | 4495   | 1              | provLimburg |
| B60D1118001 | 196920 | 332500 | 54.47  | 49.47  | 48.47  | 28/04/1997 | 01/11/2018 | 6672   | 1              | DINOloket   |
| B60D1118002 | 196920 | 332500 | 54.47  | 29.97  | 27.97  | 28/05/1997 | 01/11/2018 | 6224   | 1              | DINOloket   |
| B60D1118003 | 196920 | 332500 | 54.47  | -13.53 | -15.53 | 28/04/1997 | 01/11/2018 | 6534   | 1              | DINOloket   |
| B60D1118004 | 196920 | 332500 | 54.47  | -31.53 | -33.53 | 28/04/1997 | 01/11/2018 | 6508   | 1              | DINOloket   |
| B60D1119001 | 198590 | 326580 | 118.39 | 72.40  | 70.40  | 27/02/1998 | 10/07/2019 | 6874   | 1              | provLimburg |
| B60D1130001 | 194335 | 329260 | 80.81  | 76.31  | 75.31  | 04/03/1969 | 28/09/1977 | 201    | 14             | DINOloket   |
| B60D1131001 | 194580 | 329305 | 78.28  | 73.18  | 72.18  | 04/03/1969 | 28/03/1987 | 350    | 14             | DINOloket   |
| B60D1144001 | 197800 | 326560 | 66.17  | 59.17  | 58.17  | 03/03/1967 | 28/01/1985 | 413    | 14             | DINOloket   |
| B60D1145001 | 199330 | 331740 | 66.68  | 60.18  | 59.18  | 03/03/1967 | 28/04/1975 | 192    | 14             | DINOloket   |
| B60D1146001 | 199280 | 332310 | 61.93  | 56.63  | 55.63  | 01/01/1967 | 25/04/1977 | 38     | 132            | DINOloket   |
| B60D1147001 | 199110 | 332390 | 60.93  | 53.08  | 52.08  | 01/01/1967 | 25/04/1977 | 38     | 132            | DINOloket   |
| B60D1148001 | 199310 | 332560 | 60.97  | 56.97  | 55.97  | 01/01/1967 | 25/04/1977 | 38     | 132            | DINOloket   |
| B60D1149001 | 199550 | 332660 | 60.89  | 56.79  | 55.79  | 01/01/1967 | 25/04/1977 | 38     | 132            | DINOloket   |
| B60D1150001 | 199600 | 332360 | 63.93  | 58.79  | 57.79  | 01/01/1967 | 25/04/1977 | 38     | 132            | DINOloket   |
| B60D1151001 | 199560 | 332200 | 64.93  | 59.80  | 58.80  | 01/01/1967 | 13/12/1968 | 8      | 60             | DINOloket   |
| B60D1152001 | 199430 | 332160 | 65.05  | 60.15  | 59.15  | 01/01/1967 | 25/04/1977 | 38     | 132            | DINOloket   |
| B60D1153001 | 198870 | 329120 | 87.93  | -      | 81.43  | 14/09/1967 | 28/04/1975 | 164    | 13             | DINOloket   |
| B60D1154001 | 198930 | 329080 | 89.25  | -      | 82.75  | 14/09/1967 | 27/03/1975 | 163    | 10             | DINOloket   |
| B60D1155001 | 199000 | 329040 | 89.97  | -      | 83.47  | 14/09/1967 | 28/04/1975 | 129    | 13             | DINOloket   |
| B60D1156001 | 199170 | 331740 | 66.14  | 62.14  | 60.14  | 28/12/1991 | 13/06/1996 | 84     | 90             | DINOloket   |
| B60D1157001 | 199415 | 331715 | 69.08  | 64.02  | 62.02  | 28/12/1991 | 15/03/1996 | 83     | 57             | DINOloket   |
| B60D1158001 | 199325 | 331275 | 67.33  | 62.33  | 60.33  | 28/12/1991 | 13/06/1996 | 84     | 90             | DINOloket   |
| B60D1159001 | 198196 | 332108 | 59.34  | 53.34  | 51.34  | 29/08/1988 | 31/12/2016 | 6035   | 1              | DINOloket   |
| B60D1160001 | 197620 | 325880 | 93.01  | 86.81  | 85.81  | 01/08/1972 | 25/03/2011 | 532    | 1              | DINOloket   |
| B60D1161001 | 197800 | 326560 | 85.54  | 83.04  | 82.04  | 01/08/1972 | 06/10/2023 | 6072   | 1              | provLimburg |
| B60D1162001 | 199110 | 331940 | 64.58  | 55.58  | 54.58  | 03/03/1967 | 04/10/2018 | 7224   | 1              | DINOloket   |
| B60D1170001 | 198350 | 332400 | 57.15  | 55.52  | 54.52  | 14/10/1988 | 03/10/2018 | 6504   | 1              | DINOloket   |
| B60D1171001 | 198500 | 331750 | 58.78  | 57.88  | 56.88  | 02/06/1992 | 04/10/2018 | 6742   | 1              | DINOloket   |

| naam        | xCoor  | yCoor  | mvNAP | BKfilt | OKfilt | datum1     | laatste    | aantal | laatste dt [d] | bron      |
|-------------|--------|--------|-------|--------|--------|------------|------------|--------|----------------|-----------|
| B60D1172001 | 198710 | 331750 | 68.02 | 67.15  | 66.15  | 02/06/1992 | 04/10/2018 | 6576   | 1              | DINOloket |
| B60D1173001 | 198900 | 332688 | 55.93 | 54.69  | 54.49  | 14/12/1995 | 28/01/1999 | 74     | 14             | DINOloket |
| B60D1174001 | 198290 | 332730 | 54.72 | 52.80  | 52.60  | 14/12/1995 | 28/04/1998 | 56     | 14             | DINOloket |
| B60D1175001 | 198310 | 332600 | 55.43 | 53.79  | 53.59  | 14/12/1995 | 14/02/1996 | 5      | 16             | DINOloket |
| B60D1177001 | 198300 | 332666 | 54.89 | 53.58  | 53.38  | 14/12/1995 | 13/08/2004 | 194    | 16             | DINOloket |
| B60D1178001 | 197213 | 332400 | 53.94 | 51.88  | 51.68  | 14/12/1995 | 28/02/1996 | 6      | 14             | DINOloket |
| B60D1179001 | 197563 | 332613 | 54.17 | 51.30  | 51.10  | 14/12/1995 | 14/08/1999 | 83     | 17             | DINOloket |
| B60D1180001 | 198912 | 332687 | 56.20 | 52.04  | 51.84  | 14/12/1995 | 14/07/2001 | 129    | 16             | DINOloket |
| B60D1181001 | 198220 | 332512 | 56.78 | 54.34  | 54.14  | 14/12/1995 | 26/08/2004 | 197    | 13             | DINOloket |
| B60D1182001 | 197655 | 332514 | 54.32 | 54.03  | 53.53  | 14/12/1995 | 13/08/2004 | 133    | 16             | DINOloket |
| B60D1182002 | 197655 | 332514 | 54.32 | 51.33  | 50.83  | 14/12/1995 | 13/08/2004 | 133    | 16             | DINOloket |
| B60D1183001 | 197805 | 332375 | 56.14 | 53.48  | 52.98  | 14/12/1995 | 14/02/1996 | 5      | 16             | DINOloket |
| B60D1184001 | 197900 | 332318 | 57.89 | 53.88  | 53.38  | 14/12/1995 | 14/04/1998 | 55     | 17             | DINOloket |
| B60D1186001 | 198505 | 332558 | 55.53 | 54.23  | 53.73  | 14/05/1996 | 26/08/2004 | 185    | 13             | DINOloket |
| B60D1187001 | 198568 | 332450 | 57.01 | 55.57  | 55.07  | 14/05/1996 | 26/08/2004 | 180    | 13             | DINOloket |
| B60D1188001 | 198225 | 330970 | 65.26 | 62.94  | 62.44  | 14/03/1996 | 26/08/2004 | 190    | 13             | DINOloket |
| B60D1189001 | 198450 | 331105 | 62.65 | 60.76  | 60.26  | 14/03/1996 | 26/08/2004 | 189    | 13             | DINOloket |
| B60D1190001 | 198600 | 331105 | 61.75 | 61.58  | 61.08  | 14/03/1996 | 26/08/2004 | 189    | 13             | DINOloket |
| B60D1190002 | 198600 | 331105 | 61.75 | 55.90  | 55.40  | 14/03/1996 | 26/08/2004 | 189    | 13             | DINOloket |
| B60D1191001 | 198675 | 331112 | 62.50 | 58.76  | 58.26  | 14/03/1996 | 28/03/2002 | 140    | 14             | DINOloket |
| B60D1192001 | 198775 | 331107 | 62.86 | 59.20  | 58.70  | 14/03/1996 | 26/08/2004 | 185    | 13             | DINOloket |
| B60D1193001 | 199255 | 330925 | 69.84 | 67.20  | 66.70  | 14/03/1996 | 26/08/2004 | 187    | 13             | DINOloket |
| B60D1194001 | 198750 | 330513 | 66.81 | 66.42  | 65.92  | 14/03/1996 | 28/09/1997 | 36     | 14             | DINOloket |
| B60D1195001 | 198688 | 330425 | 68.45 | 68.26  | 67.76  | 14/03/1996 | 14/09/1997 | 35     | 17             | DINOloket |
| B60D1196001 | 196850 | 329488 | 65.98 | 65.16  | 64.66  | 14/03/1996 | 28/12/1999 | 88     | 14             | DINOloket |
| B60D1197001 | 196913 | 329520 | 65.20 | 65.01  | 64.51  | 14/03/1996 | 14/10/1997 | 39     | 16             | DINOloket |
| B60D1198001 | 196970 | 329533 | 66.10 | 64.62  | 64.12  | 14/03/1996 | 28/12/1999 | 88     | 14             | DINOloket |
| B60D1199001 | 197025 | 329523 | 65.37 | 65.19  | 64.69  | 14/03/1996 | 28/12/1999 | 88     | 14             | DINOloket |
| B60D1199002 | 197025 | 329523 | 65.37 | 64.21  | 63.71  | 14/03/1996 | 28/12/1999 | 88     | 14             | DINOloket |
| B60D1200001 | 197113 | 329513 | 70.56 | 68.54  | 68.04  | 14/03/1996 | 28/12/1999 | 87     | 14             | DINOloket |
| B60D1201001 | 198000 | 326675 | 82.28 | 80.35  | 79.85  | 29/04/1996 | 28/09/1999 | 77     | 14             | DINOloket |
| B60D1202001 | 197950 | 326675 | 80.63 | 78.05  | 77.55  | 29/04/1996 | 28/12/1999 | 79     | 14             | DINOloket |
| B60D1203001 | 196725 | 330438 | 67.10 | 65.91  | 65.41  | 14/03/1996 | 28/03/2003 | 163    | 14             | DINOloket |
| B60D1204001 | 196650 | 330425 | 62.72 | 61.16  | 60.66  | 14/03/1996 | 28/11/1999 | 86     | 14             | DINOloket |
| B60D1205001 | 196530 | 330408 | 61.09 | 59.79  | 59.29  | 14/03/1996 | 26/08/2004 | 187    | 13             | DINOloket |
| B60D1206001 | 196858 | 326488 | 83.29 | 82.00  | 81.50  | 14/03/1996 | 30/03/2004 | 94     | 14             | DINOloket |
| B60D1207001 | 196830 | 326660 | 82.96 | 79.21  | 78.71  | 14/03/1996 | 26/08/2004 | 106    | 13             | DINOloket |
| B60D1208001 | 197160 | 326945 | 78.43 | 76.16  | 75.66  | 14/03/1996 | 26/08/2004 | 106    | 13             | DINOloket |
| B60D1209001 | 197765 | 326200 | 85.60 | 84.02  | 83.52  | 14/03/1996 | 26/08/2004 | 105    | 13             | DINOloket |
| B60D1210001 | 197850 | 326288 | 83.05 | 79.46  | 78.96  | 14/03/1996 | 28/12/1999 | 79     | 14             | DINOloket |
| B60D1211001 | 194775 | 326005 | 80.91 | 80.28  | 79.78  | 14/07/1996 | 14/02/2003 | 146    | 109            | DINOloket |
| B60D1212001 | 194598 | 326238 | 81.84 | 81.33  | 80.83  | 14/07/1996 | 14/04/1998 | 36     | 17             | DINOloket |
| B60D1213001 | 194925 | 326195 | 82.68 | 81.16  | 80.66  | 14/07/1996 | 28/05/1998 | 44     | 14             | DINOloket |
| B60D1214001 | 196065 | 325143 | 95.00 | -      | -      | 14/01/1999 | 15/12/2003 | 108    | 17             | DINOloket |

| naam        | xCoor  | yCoor  | mvNAP  | BKfilt | OKfilt | datum1     | laatste    | aantal | laatste dt [d] | bron        |
|-------------|--------|--------|--------|--------|--------|------------|------------|--------|----------------|-------------|
| B60D1215001 | 198150 | 332080 | 60.58  | 6.87   | 5.87   | 10/02/2004 | 03/10/2018 | 4975   | 1              | DINOloket   |
| B60D1215002 | 198150 | 332080 | 60.58  | -11.19 | -12.19 | 10/02/2004 | 03/10/2018 | 5167   | 1              | DINOloket   |
| B60D1216001 | 197388 | 329252 | 83.40  | 80.77  | 79.77  | 28/04/2005 | 28/08/2011 | 111    | 31             | DINOloket   |
| B60D1216002 | 197388 | 329252 | 83.40  | 74.16  | 72.16  | 28/04/2005 | 28/08/2011 | 112    | 31             | DINOloket   |
| B60D1217001 | 197707 | 329111 | 95.40  | -      | -      | 28/04/2005 | 28/10/2006 | 35     | 14             | DINOloket   |
| B60D1217002 | 197707 | 329111 | 95.40  | -      | -      | 28/04/2005 | 28/10/2006 | 34     | 14             | DINOloket   |
| B60D1233001 | 198354 | 332704 | 55.18  | 53.60  | 53.10  | 14/10/2005 | 14/03/2016 | 259    | 21             | DINOloket   |
| B60D1235001 | 197594 | 332505 | 54.38  | 54.13  | 53.63  | 14/10/2005 | 28/06/2013 | 188    | 245            | DINOloket   |
| B60D1236001 | 197208 | 332498 | 53.79  | 52.87  | 52.37  | 14/10/2005 | 14/03/2016 | 258    | 21             | DINOloket   |
| B60D1236002 | 197208 | 332498 | 53.79  | 51.39  | 50.89  | 14/10/2005 | 22/02/2016 | 258    | 13             | DINOloket   |
| B60D2831001 | 197100 | 332168 | -      | 51.74  | 51.24  | 14/01/2004 | 22/02/2016 | 272    | 13             | DINOloket   |
| B60D2832001 | 197099 | 332215 | -      | 51.65  | 51.15  | 14/01/2004 | 13/07/2015 | 259    | 21             | DINOloket   |
| B60D2833001 | 197098 | 332257 | -      | 51.70  | 51.20  | 14/01/2004 | 22/02/2016 | 288    | 13             | DINOloket   |
| B60D2834001 | 197099 | 332289 | -      | 51.77  | 51.27  | 14/01/2004 | 22/02/2016 | 288    | 13             | DINOloket   |
| B60D2835001 | 197097 | 332321 | -      | 52.31  | 51.81  | 14/01/2004 | 14/03/2016 | 289    | 21             | DINOloket   |
| B60D2836001 | 197091 | 332366 | -      | 51.61  | 51.11  | 14/01/2004 | 22/02/2016 | 288    | 13             | DINOloket   |
| B60D2837001 | 197038 | 332333 | -      | 51.69  | 51.19  | 14/01/2004 | 22/02/2016 | 288    | 13             | DINOloket   |
| B60D2838001 | 197062 | 332160 | -      | 52.63  | 52.13  | 14/01/2004 | 28/06/2013 | 232    | 14             | DINOloket   |
| B60D2839001 | 197766 | 326246 | 85.32  | 84.16  | 83.16  | 21/04/2007 | 06/10/2023 | 5951   | 1              | provLimburg |
| B60D2839002 | 197766 | 326246 | 85.32  | 80.97  | 80.47  | 10/04/2008 | 06/10/2023 | 5554   | 1              | provLimburg |
| B60D2839003 | 197766 | 326246 | 85.32  | 66.32  | 65.32  | 24/04/2007 | 06/10/2023 | 5919   | 1              | provLimburg |
| B60D2840001 | 197837 | 329305 | -      | 85.14  | 83.14  | 14/03/2007 | 28/08/2011 | 74     | 31             | DINOloket   |
| B60D2840002 | 197837 | 329305 | -      | 81.08  | 79.08  | 14/03/2007 | 28/08/2011 | 58     | 31             | DINOloket   |
| B60D3032001 | 193050 | 327020 | 103.10 | 86.62  | 85.62  | 08/07/2008 | 08/09/2019 | 2619   | 1              | DINOloket   |
| B60D3033001 | 194967 | 327277 | -      | 81.40  | 80.40  | 28/03/2001 | 09/09/2019 | 2696   | 1              | DINOloket   |
| B60D3034001 | 196509 | 326338 | 109.18 | 85.45  | 84.45  | 24/08/2011 | 09/09/2019 | 2523   | 1              | DINOloket   |
| B60D3035001 | 196775 | 325558 | 109.64 | 85.38  | 84.38  | 06/10/2008 | 09/09/2019 | 2698   | 1              | DINOloket   |
| B60D3038001 | 199606 | 325084 | 157.34 | 91.59  | 90.59  | 23/05/2008 | 14/01/2019 | 2790   | 1              | DINOloket   |
| B60D3039001 | 192375 | 325096 | 70.71  | 68.34  | 67.34  | 23/07/2008 | 08/09/2019 | 1420   | 1              | DINOloket   |
| B60D3040001 | 193191 | 325518 | 73.92  | 71.79  | 70.79  | 22/05/2008 | 08/09/2019 | 3129   | 1              | DINOloket   |
| B60D3041001 | 194217 | 325473 | 74.98  | 72.13  | 71.13  | 17/03/2016 | 09/09/2019 | 1270   | 1              | DINOloket   |
| B60D3043001 | 195095 | 326497 | 83.92  | 81.60  | 80.60  | 22/05/2008 | 09/09/2019 | 2798   | 1              | DINOloket   |
| B60D3044001 | 191927 | 326126 | -      | 74.83  | 73.83  | 22/05/2008 | 08/09/2019 | 2820   | 1              | DINOloket   |
| B60D3045001 | 193308 | 326135 | 78.91  | 73.93  | 72.93  | 22/05/2008 | 06/05/2019 | 1306   | 1              | DINOloket   |
| B60D3046001 | 194392 | 326316 | 87.08  | 82.23  | 81.83  | 22/05/2008 | 09/09/2019 | 2976   | 1              | DINOloket   |
| B60D3047001 | 195792 | 326396 | 92.15  | 80.02  | 80.01  | 22/05/2008 | 09/09/2019 | 1400   | 1              | DINOloket   |
| B60D3048001 | 195796 | 325906 | 113.98 | 81.45  | 80.45  | 22/05/2008 | 09/09/2019 | 3163   | 1              | DINOloket   |
| B60D3049001 | 194855 | 325083 | 93.09  | 82.27  | 81.27  | 23/05/2008 | 09/09/2019 | 3156   | 1              | DINOloket   |
| B60D3050001 | 195723 | 327025 | 98.45  | 79.56  | 78.56  | 22/05/2008 | 09/09/2019 | 3162   | 1              | DINOloket   |
| B60D3054001 | 194470 | 325575 | 77.30  | 68.69  | 67.69  | 23/05/2008 | 09/09/2019 | 2274   | 1              | DINOloket   |
| B60D3055001 | 193022 | 325773 | 72.36  | 70.32  | 69.32  | 22/05/2008 | 08/09/2019 | 3131   | 1              | DINOloket   |
| B60D3056001 | 194372 | 326638 | 87.91  | 82.31  | 81.31  | 17/03/2016 | 09/09/2019 | 1098   | 1              | DINOloket   |
| B60D3069001 | 198422 | 325691 | 110.59 | 82.38  | 81.38  | 06/10/2008 | 10/09/2019 | 2647   | 1              | DINOloket   |
| B60D3070001 | 197849 | 326237 | 85.06  | 83.86  | 83.56  | 09/04/2008 | 06/10/2023 | 5470   | 1              | provLimburg |



| naam        | xCoor  | yCoor  | mvNAP  | BKfilt | OKfilt | datum1     | laatste    | aantal | laatste dt [d] | bron        |
|-------------|--------|--------|--------|--------|--------|------------|------------|--------|----------------|-------------|
| B60D3071001 | 197960 | 326078 | 87.91  | 86.70  | 86.40  | 09/04/2008 | 28/10/2008 | 203    | 1              | DINOloket   |
| B60D3071002 | 197960 | 326078 | 87.91  | 84.01  | 83.51  | 09/04/2008 | 28/10/2008 | 203    | 1              | DINOloket   |
| B60D3072001 | 197875 | 326437 | 82.20  | 81.00  | 80.70  | 09/04/2008 | 06/10/2023 | 5528   | 1              | provLimburg |
| B60D3072002 | 197875 | 326437 | 82.20  | 77.70  | 77.20  | 09/04/2008 | 06/10/2023 | 5602   | 1              | provLimburg |
| B60D3073001 | 197848 | 326524 | 81.46  | 80.56  | 80.26  | 09/04/2008 | 06/10/2023 | 5178   | 1              | provLimburg |
| B60D3073002 | 197848 | 326524 | 81.46  | 77.41  | 77.01  | 09/04/2008 | 06/10/2023 | 5659   | 1              | provLimburg |
| B60D3074001 | 197923 | 326543 | 81.10  | 79.91  | 79.61  | 09/04/2008 | 06/10/2023 | 5554   | 1              | provLimburg |
| B60D3075001 | 198047 | 326543 | 83.22  | 82.02  | 81.72  | 09/04/2008 | 06/10/2023 | 5527   | 1              | provLimburg |
| B60D3075002 | 198047 | 326543 | 83.22  | 78.72  | 78.22  | 09/04/2008 | 06/10/2023 | 5549   | 1              | provLimburg |
| B60D3076001 | 197834 | 325357 | 103.67 | 85.17  | 83.67  | 04/07/2008 | 06/10/2023 | 5455   | 1              | provLimburg |
| B60D3077001 | 198243 | 325185 | 108.29 | 87.29  | 85.79  | 04/07/2008 | 23/07/2008 | 20     | 1              | DINOloket   |
| B60D3088001 | 198254 | 325200 | 108.35 | 90.35  | 85.35  | 02/04/2009 | 06/10/2023 | 5119   | 1              | provLimburg |
| B60D3089001 | 197959 | 326078 | 87.39  | 87.73  | 86.73  | 02/04/2009 | 06/10/2023 | 5082   | 1              | provLimburg |
| B60D3089002 | 197959 | 326078 | 87.39  | 85.03  | 84.03  | 22/04/2009 | 06/10/2023 | 5158   | 1              | provLimburg |
| B60D3090001 | 197141 | 325309 | 115.74 | 85.54  | 80.54  | 01/01/2017 | 06/10/2023 | 2448   | 1              | provLimburg |
| B60D3091001 | 197180 | 326161 | 95.28  | 81.28  | 76.28  | 01/01/2017 | 06/10/2023 | 2470   | 1              | provLimburg |
| B60D3092001 | 196471 | 325713 | 106.01 | 81.51  | 76.51  | 01/01/2017 | 06/10/2023 | 2470   | 1              | provLimburg |
| B60D3093001 | 198032 | 326687 | 82.46  | 82.51  | 82.01  | 21/10/2008 | 21/03/2024 | 5533   | 1              | provLimburg |
| B60D3094001 | 197960 | 326078 | 87.93  | 87.37  | 86.87  | 21/10/2008 | 25/04/2024 | 5452   | 1              | provLimburg |
| B60D3095001 | 198904 | 327050 | 107.21 | 106.52 | 106.02 | 21/10/2008 | 24/04/2024 | 5634   | 1              | provLimburg |
| B60D3096001 | 190129 | 325779 | 73.21  | 72.68  | 72.18  | 20/11/2008 | 23/04/2024 | 5292   | 1              | provLimburg |
| B60D3097001 | 190690 | 325765 | 67.70  | 67.20  | 66.70  | 20/11/2008 | 22/04/2024 | 5280   | 1              | provLimburg |
| B60D3098001 | 191010 | 326286 | 66.53  | 65.89  | 65.39  | 18/04/2007 | 14/04/2024 | 4859   | 1              | provLimburg |
| B60D3099001 | 191157 | 326446 | 68.58  | 68.24  | 67.74  | 18/04/2007 | 14/04/2024 | 6202   | 1              | provLimburg |
| B60D3104001 | 198220 | 332512 | 56.78  | 54.30  | 54.10  | 14/10/2005 | 14/03/2016 | 259    | 21             | DINOloket   |
| B60D3105001 | 197625 | 325905 | 93.11  | 86.80  | 85.80  | 25/03/2011 | 06/10/2023 | 4522   | 1              | provLimburg |
| B60D3106001 | 190848 | 326506 | 66.53  | 63.30  | 63.00  | 20/01/2011 | 27/11/2020 | 352    | 14             | DINOloket   |
| B60D3106002 | 190848 | 326506 | 66.53  | 60.44  | 60.09  | 20/01/2011 | 27/11/2020 | 352    | 14             | DINOloket   |
| B60D3107001 | 191085 | 326412 | 66.04  | 65.20  | 64.85  | 12/01/2011 | 27/11/2020 | 406    | 14             | DINOloket   |
| B60D3108001 | 191099 | 326403 | 67.14  | 66.60  | 66.10  | 12/01/2011 | 27/11/2020 | 406    | 14             | DINOloket   |
| B60D3108002 | 191099 | 326403 | 67.14  | 64.32  | 63.82  | 12/01/2011 | 27/11/2020 | 406    | 14             | DINOloket   |
| B60D3109001 | 191116 | 326395 | 69.21  | 67.98  | 67.48  | 12/01/2011 | 27/11/2020 | 406    | 14             | DINOloket   |
| B60D3109002 | 191116 | 326395 | 69.21  | 64.90  | 64.40  | 11/02/2011 | 27/11/2020 | 376    | 14             | DINOloket   |
| B60D3110001 | 191118 | 326384 | 70.02  | 69.27  | 68.92  | 12/01/2011 | 30/01/2018 | 337    | 14             | DINOloket   |
| B60D3111001 | 191141 | 326381 | 71.39  | 69.47  | 69.12  | 12/01/2011 | 27/11/2020 | 406    | 14             | DINOloket   |
| B60D3111002 | 191141 | 326381 | 71.39  | 66.53  | 65.53  | 12/01/2011 | 27/11/2020 | 406    | 14             | DINOloket   |
| B60D3112001 | 191106 | 326382 | 69.50  | 68.13  | 67.63  | 12/01/2011 | 27/11/2020 | 406    | 14             | DINOloket   |
| B60D3112002 | 191106 | 326382 | 69.50  | 64.57  | 64.07  | 11/02/2011 | 27/11/2020 | 376    | 14             | DINOloket   |
| B60D3113001 | 191137 | 326422 | 68.90  | 66.92  | 66.57  | 12/01/2011 | 27/11/2020 | 406    | 14             | DINOloket   |
| B60D3114001 | 191131 | 326398 | 69.77  | 68.98  | 68.63  | 12/01/2011 | 30/01/2018 | 338    | 14             | DINOloket   |
| B60D3122001 | 196727 | 330333 | 63.05  | 61.19  | 60.69  | 29/10/2012 | 28/11/2020 | 194    | 14             | DINOloket   |
| B60D3123001 | 196693 | 330325 | 62.30  | 62.15  | 61.65  | 29/10/2012 | 28/11/2020 | 194    | 14             | DINOloket   |
| B60D3123002 | 196693 | 330325 | 62.30  | 60.34  | 59.34  | 29/10/2012 | 28/11/2020 | 194    | 14             | DINOloket   |
| B60D3124001 | 196625 | 330262 | 62.34  | 60.66  | 59.66  | 29/10/2012 | 27/12/2015 | 77     | 12             | DINOloket   |

| naam        | xCoor  | yCoor  | mvNAP  | BKfilt | OKfilt | datum1     | laatste    | aantal | laatste dt [d] | bron        |
|-------------|--------|--------|--------|--------|--------|------------|------------|--------|----------------|-------------|
| B60D3126001 | 198434 | 330308 | 70.30  | 67.76  | 66.76  | 23/07/2009 | 19/04/2017 | 2754   | 1              | DINOloket   |
| B60D3127001 | 198468 | 330287 | 70.69  | 69.12  | 68.12  | 23/07/2009 | 19/04/2017 | 2763   | 1              | DINOloket   |
| B60D3128001 | 198605 | 332102 | 57.44  | 55.14  | 54.14  | 23/07/2009 | 19/04/2017 | 2469   | 1              | DINOloket   |
| B60D3129001 | 198631 | 332130 | 57.27  | 55.18  | 54.18  | 23/07/2009 | 19/04/2017 | 2737   | 1              | DINOloket   |
| B60D3130001 | 196429 | 332581 | 54.26  | 51.36  | 50.36  | 23/07/2009 | 19/04/2017 | 2624   | 1              | DINOloket   |
| B60D3132001 | 191605 | 325182 | 69.80  | 66.44  | 65.44  | 23/07/2009 | 24/04/2017 | 2769   | 1              | DINOloket   |
| B60D3133001 | 190496 | 326604 | 68.35  | 63.09  | 62.09  | 23/07/2009 | 09/09/2015 | 2176   | 1              | DINOloket   |
| B60D3134001 | 193538 | 325503 | 73.57  | 71.13  | 70.14  | 13/10/2011 | 19/04/2017 | 1855   | 1              | DINOloket   |
| B60D3135001 | 190834 | 326477 | 66.73  | 65.68  | 65.48  | 11/07/2014 | 02/12/2015 | 34     | 16             | DINOloket   |
| B60D3136001 | 190831 | 326464 | 66.43  | 66.22  | 66.02  | 11/07/2014 | 27/11/2020 | 158    | 14             | DINOloket   |
| B60D3136002 | 190831 | 326464 | 66.43  | 65.21  | 65.01  | 11/07/2014 | 27/11/2020 | 158    | 14             | DINOloket   |
| B60D3137001 | 190971 | 326256 | 67.33  | 65.93  | 65.73  | 11/07/2014 | 27/11/2020 | 158    | 14             | DINOloket   |
| B60D3138001 | 190958 | 326249 | 67.02  | 67.26  | 67.06  | 11/07/2014 | 27/11/2020 | 158    | 14             | DINOloket   |
| B60D3138002 | 190958 | 326249 | 67.02  | 66.30  | 66.10  | 07/05/2014 | 27/11/2020 | 256    | 14             | DINOloket   |
| B60D3139001 | 190934 | 326232 | 67.16  | 66.92  | 66.72  | 11/07/2014 | 30/01/2018 | 90     | 14             | DINOloket   |
| B60D3139002 | 190934 | 326232 | 67.16  | 65.83  | 65.63  | 11/07/2014 | 30/01/2018 | 90     | 14             | DINOloket   |
| B60D3140001 | 190912 | 326221 | 67.62  | 67.09  | 66.59  | 26/11/2019 | 10/04/2024 | 1258   | 1              | provLimburg |
| B60D3140002 | 190912 | 326221 | 67.41  | 66.89  | 66.69  | 11/07/2014 | 10/06/2020 | 317    | 1              | DINOloket   |
| B60D3142001 | 196892 | 331471 | 56.44  | 54.92  | 53.92  | 17/02/2015 | 10/04/2019 | 1371   | 1              | DINOloket   |
| B60D3143001 | 196993 | 331409 | 56.82  | 54.58  | 53.58  | 17/02/2015 | 10/04/2019 | 1112   | 1              | DINOloket   |
| B60D3144001 | 196751 | 331289 | 57.46  | 56.02  | 55.02  | 18/02/2015 | 11/04/2019 | 1090   | 1              | DINOloket   |
| B60D3145001 | 196890 | 331199 | 58.79  | 56.76  | 55.76  | 18/02/2015 | 10/04/2019 | 1156   | 1              | DINOloket   |
| B60D3146001 | 196928 | 331132 | 59.92  | 56.76  | 55.76  | 18/02/2015 | 10/04/2019 | 788    | 1              | DINOloket   |
| B60D3147001 | 197127 | 331053 | 63.46  | 57.26  | 56.26  | 18/02/2015 | 23/02/2019 | 1457   | 1              | DINOloket   |
| B60D3148001 | 196726 | 330937 | 65.87  | 59.44  | 58.44  | 26/02/2015 | 10/04/2019 | 1372   | 1              | DINOloket   |
| B60D3149001 | 196667 | 331090 | 57.99  | 61.90  | 60.90  | 19/02/2015 | 10/04/2019 | 1417   | 1              | DINOloket   |
| B60D3150001 | 196651 | 331098 | 57.91  | 61.69  | 60.69  | 19/02/2015 | 11/04/2019 | 1275   | 1              | DINOloket   |
| B60D3151001 | 196566 | 331166 | 57.67  | 55.98  | 54.98  | 19/02/2015 | 10/04/2019 | 961    | 1              | DINOloket   |
| B60D3152001 | 196842 | 331257 | 57.73  | 56.17  | 55.17  | 18/02/2015 | 13/12/2018 | 1301   | 1              | DINOloket   |
| B60D3153001 | 197072 | 331282 | 58.31  | 56.10  | 55.10  | 17/02/2015 | 21/11/2017 | 575    | 1              | DINOloket   |
| B60D3154001 | 196567 | 330997 | 58.54  | 55.92  | 54.92  | 06/07/2015 | 11/04/2019 | 1320   | 1              | DINOloket   |
| B60D3155001 | 196648 | 330916 | 62.85  | 56.01  | 55.01  | 06/07/2015 | 11/04/2019 | 1178   | 1              | DINOloket   |
| B60D3156002 | 191256 | 327138 | 105.71 | 65.58  | 63.58  | 14/03/2013 | 04/06/2024 | 2333   | 1              | provLimburg |
| B60D3170001 | 196630 | 330260 | 62.56  | 62.11  | 61.61  | 14/02/2017 | 14/03/2019 | 50     | 14             | DINOloket   |
| B60D3170002 | 196630 | 330260 | 62.56  | 60.50  | 59.50  | 14/02/2017 | 28/11/2020 | 91     | 14             | DINOloket   |
| B60D3171001 | 196954 | 326659 | 83.05  | 83.22  | 82.72  | 15/02/2017 | 25/04/2024 | 2430   | 1              | provLimburg |
| B60D3172001 | 190247 | 326626 | 67.67  | 67.03  | 66.53  | 14/02/2017 | 22/04/2024 | 2625   | 1              | provLimburg |
| B60D3214001 | 196627 | 330464 | 61.44  | 60.34  | 59.34  | 02/10/2017 | 19/05/2020 | 805    | 1              | DINOloket   |
| B60D3215001 | 196653 | 330379 | 62.08  | 60.63  | 59.63  | 02/10/2017 | 20/05/2020 | 805    | 1              | DINOloket   |
| B60D3216001 | 196699 | 330421 | 63.82  | 63.02  | 62.02  | 02/10/2017 | 19/05/2020 | 805    | 1              | DINOloket   |
| B60D3217001 | 196594 | 330368 | 61.48  | 60.68  | 59.68  | 02/10/2017 | 06/01/2020 | 670    | 1              | DINOloket   |
| B60D3218001 | 196570 | 330353 | 62.25  | 60.25  | 59.25  | 02/10/2017 | 01/12/2019 | 635    | 1              | DINOloket   |
| B60D3219001 | 196747 | 330359 | 66.84  | 66.24  | 65.24  | 02/10/2017 | 28/11/2020 | 77     | 14             | DINOloket   |
| B60D3220001 | 196653 | 330287 | 62.51  | 60.61  | 59.61  | 02/10/2017 | 28/11/2020 | 77     | 14             | DINOloket   |

| naam        | xCoor  | yCoor  | mvNAP  | BKfilt  | OKfilt  | datum1     | laatste    | aantal | laatste dt [d] | bron        |
|-------------|--------|--------|--------|---------|---------|------------|------------|--------|----------------|-------------|
| B60D3221001 | 196766 | 330289 | 65.48  | 64.88   | 63.88   | 02/10/2017 | 02/09/2019 | 545    | 1              | DINOloket   |
| B60D3222001 | 196726 | 330241 | 62.99  | 60.79   | 59.79   | 02/10/2017 | 28/11/2020 | 77     | 14             | DINOloket   |
| B60D3223001 | 196709 | 330210 | 62.45  | 61.30   | 60.30   | 02/10/2017 | 28/11/2020 | 77     | 14             | DINOloket   |
| B60D3253001 | 191653 | 327711 | 99.02  | 42.02   | 29.52   | 14/06/2020 | 04/06/2024 | 1408   | 1              | provLimburg |
| B60D3253002 | 191653 | 327710 | 99.02  | -7.98   | -17.98  | 26/04/2019 | 19/08/2024 | 1811   | 1              | provLimburg |
| B60D3253003 | 191653 | 327710 | 99.02  | -184.98 | -194.98 | 26/04/2019 | 19/08/2024 | 1927   | 1              | provLimburg |
| B60D3254001 | 191689 | 329606 | 110.59 | -134.53 | -137.53 | 25/12/2021 | 04/06/2024 | 891    | 1              | provLimburg |
| B60D3254002 | 191689 | 329607 | 110.59 | -191.52 | -196.52 | 10/04/2021 | 19/08/2024 | 1227   | 1              | provLimburg |
| B60D3254003 | 191689 | 329607 | 110.59 | -238.52 | -248.52 | 26/02/2021 | 19/08/2024 | 1270   | 1              | provLimburg |
| B60G0102001 | 201970 | 326530 | 119.87 | 60.37   | 44.87   | 29/04/1977 | 24/03/1982 | 55     | 9              | DINOloket   |
| B60G0103001 | 201990 | 326440 | 122.51 | 69.51   | 67.51   | 14/06/1977 | 29/12/1982 | 68     | 14             | DINOloket   |
| B60G0113001 | 200250 | 326620 | 123.17 | 76.17   | 74.17   | 29/04/1977 | 24/12/1992 | 261    | 14             | DINOloket   |
| B60G0119001 | 204355 | 325620 | 85.66  | 61.86   | 56.86   | 28/08/1980 | 29/12/1997 | 419    | 31             | DINOloket   |
| B60G0120001 | 200290 | 326930 | 106.61 | 101.46  | 99.96   | 28/01/1982 | 24/12/1992 | 221    | 14             | DINOloket   |
| B60G0120002 | 200290 | 326930 | 106.61 | 71.61   | 68.61   | 28/01/1982 | 24/12/1992 | 200    | 14             | DINOloket   |
| B60G0122001 | 203100 | 325560 | 126.65 | 63.65   | 58.65   | 14/09/1980 | 29/12/1997 | 417    | 31             | DINOloket   |
| B60G0122002 | 203100 | 325560 | 126.65 | -5.35   | -10.35  | 14/09/1980 | 29/12/1997 | 417    | 31             | DINOloket   |
| B60G0122003 | 203100 | 325560 | 126.65 | -25.35  | -30.35  | 14/09/1980 | 29/12/1997 | 415    | 31             | DINOloket   |
| B60G0123001 | 201006 | 326041 | 133.70 | 53.65   | 51.65   | 14/09/1981 | 03/06/2024 | 4719   | 1              | provLimburg |
| B60G0123002 | 201006 | 326041 | 133.70 | 13.65   | 11.65   | 14/09/1981 | 03/06/2024 | 4573   | 1              | provLimburg |
| B60G0123003 | 201006 | 326041 | 133.70 | -33.35  | -35.35  | 14/09/1981 | 03/06/2024 | 4784   | 1              | provLimburg |
| B60G0132001 | 203360 | 325120 | 128.01 | 69.01   | 67.01   | 02/06/1994 | 29/12/1997 | 84     | 31             | DINOloket   |
| B60G0132002 | 203360 | 325120 | 128.01 | 36.51   | 34.51   | 02/06/1994 | 29/12/1997 | 84     | 31             | DINOloket   |
| B60G0132003 | 203360 | 325120 | 128.01 | -5.99   | -7.99   | 02/06/1994 | 29/12/1997 | 84     | 31             | DINOloket   |
| B60G0133001 | 204480 | 325730 | 85.00  | 76.00   | 74.00   | 02/06/1994 | 29/12/1997 | 84     | 31             | DINOloket   |
| B60G0133002 | 204480 | 325730 | 85.00  | 10.00   | 8.00    | 02/06/1994 | 29/12/1997 | 84     | 31             | DINOloket   |
| B60G0133003 | 204480 | 325730 | 85.00  | -35.00  | -37.00  | 02/06/1994 | 29/12/1997 | 84     | 31             | DINOloket   |
| B60G0133004 | 204480 | 325730 | 85.00  | -45.00  | -47.00  | 02/06/1994 | 29/12/1997 | 84     | 31             | DINOloket   |
| B60G0133005 | 204480 | 325730 | 85.00  | -88.00  | -90.00  | 02/06/1994 | 29/12/1997 | 84     | 31             | DINOloket   |
| B60G0143001 | 204075 | 325150 | 86.91  | 84.91   | 83.91   | 28/07/1981 | 29/12/1997 | 406    | 31             | DINOloket   |
| B60G0144001 | 204140 | 325130 | 86.39  | 84.39   | 83.39   | 28/05/1981 | 29/12/1997 | 410    | 31             | DINOloket   |
| B60G0275001 | 200248 | 325633 | 138.56 | 18.96   | 3.96    | 15/05/2007 | 03/06/2024 | 4297   | 1              | provLimburg |
| B60G0290001 | 204055 | 325119 | 87.39  | 83.21   | 81.21   | 01/05/2016 | 31/12/2018 | 931    | 1              | DINOloket   |
| B60G0290002 | 204055 | 325119 | 87.39  | 68.15   | 66.15   | 01/05/2016 | 31/12/2018 | 931    | 1              | DINOloket   |
| B60G0290003 | 204055 | 325119 | 87.39  | 57.11   | 55.11   | 01/05/2016 | 31/12/2018 | 931    | 1              | DINOloket   |
| B60G0291001 | 204174 | 325458 | 88.19  | 73.06   | 71.06   | 30/04/2016 | 31/12/2018 | 841    | 1              | DINOloket   |
| B60G0292001 | 204345 | 325666 | 87.24  | 72.93   | 70.93   | 30/04/2016 | 31/12/2018 | 932    | 1              | DINOloket   |
| B60G0293001 | 203916 | 325165 | 89.96  | 80.60   | 79.60   | 30/04/2016 | 31/12/2018 | 932    | 1              | DINOloket   |
| B60G0294001 | 203757 | 325242 | 102.40 | 79.54   | 77.54   | 30/04/2016 | 31/12/2018 | 932    | 1              | DINOloket   |
| B61F0002001 | 179050 | 324630 | 42.75  | 15.05   | 3.05    | 31/12/1955 | 29/09/1961 | 289    | 7              | DINOloket   |
| B61F0003001 | 179860 | 324580 | 42.30  | 13.80   | -1.70   | 31/12/1955 | 15/08/1974 | 855    | 14             | DINOloket   |
| B61F0425001 | 179800 | 324580 | 42.59  | 39.59   | 37.59   | 28/01/1992 | 02/10/2018 | 6866   | 1              | DINOloket   |
| B61F0425002 | 179800 | 324580 | 42.59  | 35.59   | 33.59   | 28/01/1992 | 02/10/2018 | 6788   | 1              | DINOloket   |
| B61F0425003 | 179800 | 324580 | 42.59  | 16.59   | 14.59   | 28/01/1992 | 02/10/2018 | 6867   | 1              | DINOloket   |

| naam        | xCoor  | yCoor  | mvNAP  | BKfilt | OKfilt | datum1     | laatste    | aantal | laatste dt [d] | bron        |
|-------------|--------|--------|--------|--------|--------|------------|------------|--------|----------------|-------------|
| B61F0425004 | 179800 | 324580 | 42.59  | 9.59   | 4.59   | 28/01/1992 | 02/10/2018 | 6723   | 1              | DINOloket   |
| B61F0425005 | 179800 | 324580 | 42.59  | -67.41 | -72.41 | 28/01/1992 | 02/10/2018 | 6700   | 1              | DINOloket   |
| B61F2504001 | 179818 | 324462 | 43.26  | -      | -      | 19/11/2008 | 11/06/2020 | 3484   | 1              | DINOloket   |
| B62A0191001 | 185360 | 321490 | 87.97  | 59.70  | 58.70  | 24/11/1970 | 27/05/2000 | 645    | 12             | DINOloket   |
| B62A0200001 | 189191 | 323639 | 99.80  | 90.00  | 89.00  | 24/11/1970 | 03/06/2024 | 4913   | 1              | provLimburg |
| B62A0235001 | 185091 | 321141 | 89.60  | 39.29  | 34.29  | 25/03/1977 | 26/05/2024 | 6822   | 1              | provLimburg |
| B62A0236001 | 185219 | 321062 | 78.87  | 47.87  | 42.87  | 25/03/1977 | 30/01/2012 | 2610   | 14             | DINOloket   |
| B62A0246001 | 185022 | 320812 | 84.08  | 47.13  | 42.13  | 25/03/1977 | 17/10/2018 | 6969   | 1              | DINOloket   |
| B62A0294001 | 186760 | 318537 | 89.80  | 59.40  | 58.40  | 28/06/1977 | 04/06/2024 | 4930   | 1              | provLimburg |
| B62A0306001 | 188983 | 319127 | 93.55  | 75.54  | 73.54  | 16/07/1981 | 03/06/2024 | 4242   | 1              | provLimburg |
| B62A0306002 | 188983 | 319127 | 93.55  | -19.46 | -21.46 | 16/07/1981 | 03/06/2024 | 4394   | 1              | provLimburg |
| B62A0306003 | 188983 | 319127 | 93.55  | -35.46 | -37.46 | 16/07/1981 | 03/06/2024 | 4375   | 1              | provLimburg |
| B62A0309001 | 188918 | 318881 | 88.20  | 63.18  | 61.18  | 16/07/1981 | 03/06/2024 | 4399   | 1              | provLimburg |
| B62A0309002 | 188918 | 318881 | 88.20  | -50.67 | -52.67 | 16/07/1981 | 03/06/2024 | 4249   | 1              | provLimburg |
| B62A0313001 | 183195 | 323115 | 109.60 | 82.95  | 80.95  | 14/01/1982 | 17/10/2018 | 6887   | 1              | DINOloket   |
| B62A0440001 | 187632 | 321585 | 133.50 | 116.18 | 113.18 | 17/06/1993 | 02/12/2020 | 3002   | 1              | DINOloket   |
| B62A0440002 | 187632 | 321585 | 133.50 | 82.68  | 80.68  | 17/06/1993 | 02/12/2020 | 3003   | 1              | DINOloket   |
| B62A0440003 | 187632 | 321585 | 133.50 | 55.18  | 50.18  | 17/06/1993 | 03/06/2024 | 4384   | 1              | provLimburg |
| B62A0440004 | 187632 | 321585 | 133.50 | -26.82 | -31.82 | 17/06/1993 | 03/06/2024 | 3788   | 1              | provLimburg |
| B62A0447001 | 187928 | 316978 | 110.73 | 76.70  | 73.70  | 27/04/1995 | 04/06/2024 | 3984   | 1              | provLimburg |
| B62A0448001 | 183458 | 324312 | 114.80 | 96.73  | 94.73  | 27/04/1995 | 03/06/2024 | 4256   | 1              | provLimburg |
| B62A0462001 | 188150 | 322060 | 118.96 | -      | 110.71 | 01/06/1934 | 17/04/2000 | 853    | 35             | DINOloket   |
| B62A0464001 | 187060 | 323960 | 113.55 | -      | 101.00 | 07/11/1961 | 21/10/1999 | 215    | 55             | DINOloket   |
| B62A0465001 | 187750 | 323250 | 121.85 | -      | 103.57 | 01/06/1934 | 17/04/2000 | 779    | 35             | DINOloket   |
| B62A0467001 | 187490 | 319028 | 100.25 | -      | -      | 14/07/1959 | 28/04/2000 | 878    | 14             | DINOloket   |
| B62A0469001 | 189920 | 316220 | 87.56  | -      | -      | 28/11/1957 | 14/10/1976 | 221    | 48             | DINOloket   |
| B62A2945001 | 185779 | 322002 | 103.25 | -      | -      | 04/12/2008 | 14/06/2020 | 4209   | 1              | DINOloket   |
| B62A2950001 | 186036 | 319645 | 67.60  | 64.70  | 63.70  | 04/04/2012 | 24/04/2017 | 1787   | 1              | DINOloket   |
| B62A2951001 | 186100 | 319600 | 69.13  | 65.40  | 64.40  | 04/04/2012 | 24/04/2017 | 1847   | 1              | DINOloket   |
| B62A2993001 | 187939 | 324759 | 94.89  | 94.33  | 93.83  | 15/02/2017 | 16/04/2024 | 2445   | 1              | provLimburg |
| B62A3315001 | 189325 | 322843 | 95.98  | 95.24  | 94.74  | 03/12/2019 | 23/04/2024 | 1602   | 1              | provLimburg |
| B62A3316001 | 185475 | 321524 | 101.29 | 100.84 | 100.34 | 15/06/2020 | 15/04/2024 | 1378   | 1              | provLimburg |
| B62A3317001 | 185930 | 321711 | 131.95 | 105.08 | 103.08 | 11/01/2020 | 09/05/2023 | 1201   | 1              | provLimburg |
| B62A3338001 | 181395 | 324663 | 113.35 | 87.51  | 83.51  | 09/09/2020 | 21/03/2024 | 1275   | 1              | provLimburg |
| B62B0137001 | 192190 | 323460 | 78.86  | 45.60  | 40.00  | 04/10/1966 | 14/04/1993 | 285    | 16             | DINOloket   |
| B62B0142001 | 192900 | 323200 | 77.02  | 51.80  | 50.80  | 13/01/1989 | 09/10/2007 | 2732   | 1              | DINOloket   |
| B62B0143001 | 192885 | 323220 | 77.08  | 59.75  | 52.95  | 12/09/1966 | 09/10/2007 | 3008   | 1              | DINOloket   |
| B62B0144001 | 193040 | 323230 | 81.50  | 61.80  | 56.80  | 12/09/1966 | 14/05/2004 | 1819   | 1              | DINOloket   |
| B62B0145001 | 193220 | 323310 | 85.92  | 62.95  | 22.70  | 13/01/1989 | 09/10/2007 | 2766   | 1              | DINOloket   |
| B62B0187001 | 192835 | 322955 | 78.90  | 51.55  | 31.35  | 12/09/1966 | 09/10/2007 | 2993   | 1              | DINOloket   |
| B62B0188001 | 192835 | 322955 | 78.65  | 10.00  | 9.00   | 13/01/1989 | 09/10/2007 | 2735   | 1              | DINOloket   |
| B62B0197001 | 193360 | 322110 | 82.44  | 57.00  | 54.15  | 14/01/2000 | 11/10/2018 | 6252   | 1              | DINOloket   |
| B62B0198001 | 193800 | 322385 | 88.47  | 67.65  | 36.44  | 13/01/1989 | 09/10/2007 | 2768   | 1              | DINOloket   |
| B62B0199001 | 194010 | 322480 | 87.66  | 64.00  | 59.50  | 12/09/1966 | 27/06/2007 | 652    | 72             | DINOloket   |

| naam        | xCoor  | yCoor  | mvNAP  | BKfilt  | OKfilt  | datum1     | laatste    | aantal | laatste dt [d] | bron        |
|-------------|--------|--------|--------|---------|---------|------------|------------|--------|----------------|-------------|
| B62B0202001 | 193810 | 322050 | 88.24  | 70.05   | 49.40   | 13/01/1989 | 09/10/2007 | 2768   | 1              | DINOloket   |
| B62B0204001 | 193920 | 322100 | 90.09  | 72.15   | 69.45   | 13/01/1989 | 27/06/2007 | 417    | 72             | DINOloket   |
| B62B0206001 | 193950 | 322070 | 90.92  | 57.11   | 56.11   | 13/01/1989 | 09/10/2007 | 2768   | 1              | DINOloket   |
| B62B0210001 | 194150 | 322190 | 91.54  | 73.50   | 71.70   | 13/01/1989 | 28/08/1997 | 170    | 76             | DINOloket   |
| B62B0212001 | 194200 | 322205 | 89.80  | 73.30   | 72.10   | 12/09/1966 | 21/11/2007 | 2971   | 1              | DINOloket   |
| B62B0214001 | 194050 | 322070 | 91.68  | 73.65   | 72.70   | 12/09/1966 | 27/06/2007 | 653    | 72             | DINOloket   |
| B62B0255001 | 196020 | 322661 | 108.72 | -360.04 | -361.04 | 01/09/1973 | 04/06/2024 | 4762   | 1              | provLimburg |
| B62B0293001 | 192120 | 324150 | 72.14  | 35.39   | 21.95   | 12/09/1966 | 17/01/2002 | 965    | 1              | DINOloket   |
| B62B0294001 | 192045 | 324020 | 76.07  | 32.53   | 22.45   | 13/01/1989 | 28/02/1996 | 162    | 14             | DINOloket   |
| B62B0295001 | 191950 | 323870 | 76.03  | 10.00   | 9.00    | 13/01/1989 | 14/03/1996 | 164    | 15             | DINOloket   |
| B62B0310001 | 192080 | 321430 | 85.86  | 41.86   | 40.36   | 14/10/1994 | 11/10/2018 | 4854   | 1              | DINOloket   |
| B62B0310002 | 192080 | 321430 | 85.86  | 30.86   | 28.86   | 14/10/1994 | 11/10/2018 | 6494   | 1              | DINOloket   |
| B62B0310003 | 192080 | 321430 | 85.86  | 17.86   | 15.86   | 14/10/1994 | 11/10/2018 | 6589   | 1              | DINOloket   |
| B62B0317001 | 192880 | 321850 | 84.65  | 49.45   | 47.15   | 13/01/1989 | 09/10/2007 | 2767   | 1              | DINOloket   |
| B62B0323001 | 193580 | 321790 | 86.82  | -       | 56.85   | 06/01/1971 | 02/05/2000 | 518    | 27             | DINOloket   |
| B62B0324001 | 193645 | 321650 | 88.46  | 70.70   | 67.70   | 13/01/1989 | 09/10/2007 | 2765   | 1              | DINOloket   |
| B62B0325001 | 193910 | 321545 | 93.39  | 80.12   | 77.10   | 12/09/1966 | 15/07/2014 | 5243   | 1              | DINOloket   |
| B62B0327001 | 193370 | 321370 | 91.91  | 70.00   | 67.00   | 13/01/1989 | 27/06/2007 | 416    | 72             | DINOloket   |
| B62B0335001 | 194130 | 321775 | 92.34  | 80.00   | 73.95   | 12/09/1966 | 27/11/1992 | 325    | 14             | DINOloket   |
| B62B0339001 | 194340 | 321765 | 92.54  | 76.30   | 74.30   | 12/09/1966 | 09/10/2007 | 2998   | 1              | DINOloket   |
| B62B0378001 | 193775 | 320975 | 95.35  | 78.15   | 75.85   | 13/01/1989 | 09/10/2007 | 2755   | 1              | DINOloket   |
| B62B0416001 | 199801 | 320414 | 156.21 | -664.98 | -665.98 | 02/01/1968 | 02/06/2024 | 4660   | 1              | provLimburg |
| B62B0421001 | 190870 | 319030 | 115.71 | 98.91   | 24.00   | 31/03/1993 | 11/10/2018 | 6590   | 1              | DINOloket   |
| B62B0473001 | 196880 | 317540 | 189.79 | -       | -       | 28/11/1957 | 28/04/2000 | 995    | 14             | DINOloket   |
| B62B0502001 | 191940 | 315160 | 94.73  | 78.38   | 77.38   | 03/10/1952 | 31/12/2016 | 7546   | 1              | DINOloket   |
| B62B0503001 | 192285 | 315325 | 99.02  | 80.87   | 79.87   | 04/10/1952 | 28/03/1996 | 1692   | 14             | DINOloket   |
| B62B0505001 | 192420 | 315300 | 99.22  | 76.52   | 75.52   | 03/11/1951 | 14/10/1998 | 1776   | 30             | DINOloket   |
| B62B0507001 | 192390 | 315280 | 97.75  | 74.55   | 74.25   | 02/11/1951 | 14/10/1998 | 1761   | 16             | DINOloket   |
| B62B0508001 | 192890 | 315260 | 101.81 | 83.57   | 82.57   | 05/07/1952 | 13/02/1987 | 1419   | 30             | DINOloket   |
| B62B0514001 | 192220 | 314680 | 112.10 | 88.68   | 87.68   | 09/11/1952 | 28/05/2004 | 1779   | 14             | DINOloket   |
| B62B0532081 | 192110 | 315324 | 108.47 | 89.82   | 40.96   | 19/03/2009 | 31/12/2012 | 1208   | 1              | DINOloket   |
| B62B0533081 | 192196 | 315312 | 100.85 | 83.28   | 74.13   | 01/01/2009 | 31/12/2012 | 1233   | 1              | DINOloket   |
| B62B0534001 | 191960 | 322450 | 85.13  | 35.42   | 32.38   | 13/01/1989 | 09/10/2007 | 2827   | 1              | DINOloket   |
| B62B0535001 | 191890 | 322280 | 82.37  | 37.26   | 26.56   | 14/01/1969 | 11/10/2018 | 7132   | 1              | DINOloket   |
| B62B0550081 | 192052 | 315346 | 110.73 | 92.32   | 50.97   | 01/01/2009 | 31/12/2012 | 1377   | 1              | DINOloket   |
| B62B0554001 | 191180 | 320700 | 101.05 | 62.29   | 47.19   | 14/01/1980 | 01/11/2018 | 7040   | 1              | DINOloket   |
| B62B0555001 | 192545 | 321700 | 84.60  | 79.54   | 78.54   | 13/01/1989 | 09/10/2007 | 2766   | 1              | DINOloket   |
| B62B0555002 | 192545 | 321700 | 84.60  | 34.18   | 33.18   | 13/01/1989 | 09/10/2007 | 2766   | 1              | DINOloket   |
| B62B0559001 | 192090 | 320440 | 116.71 | -       | 32.21   | 27/11/1964 | 14/03/1980 | 352    | 15             | DINOloket   |
| B62B0562001 | 192060 | 320930 | 92.59  | 52.90   | 42.80   | 27/11/1964 | 11/10/2018 | 7456   | 1              | DINOloket   |
| B62B0578081 | 192414 | 315307 | 100.00 | 82.71   | 70.91   | 01/01/2009 | 31/12/2012 | 1385   | 1              | DINOloket   |
| B62B0579081 | 192330 | 315366 | 109.13 | 95.83   | 69.13   | 01/01/2009 | 31/12/2012 | 1291   | 1              | DINOloket   |
| B62B0580081 | 192340 | 315295 | 100.15 | 88.27   | 67.52   | 01/01/2009 | 31/12/2012 | 1308   | 1              | DINOloket   |
| B62B0635081 | 192628 | 315089 | 105.69 | 88.81   | 72.11   | 17/08/2011 | 31/12/2012 | 503    | 1              | DINOloket   |

| naam        | xCoor  | yCoor  | mvNAP  | BKfilt  | OKfilt  | datum1     | laatste    | aantal | laatste dt [d] | bron        |
|-------------|--------|--------|--------|---------|---------|------------|------------|--------|----------------|-------------|
| B62B0648001 | 193600 | 321210 | 91.54  | 81.20   | 80.20   | 25/11/1970 | 28/02/1973 | 31     | 14             | DINOloket   |
| B62B0650001 | 197172 | 319781 | 140.09 | 127.09  | 126.09  | 13/06/1968 | 04/06/2024 | 4977   | 1              | provLimburg |
| B62B0655001 | 197020 | 321260 | 118.51 | 105.91  | 104.91  | 13/06/1968 | 15/05/2000 | 278    | 17             | DINOloket   |
| B62B0660001 | 193860 | 323260 | 84.23  | 72.73   | 71.73   | 13/06/1968 | 23/12/1974 | 34     | 52             | DINOloket   |
| B62B0663081 | 192288 | 315311 | 98.41  | 81.61   | 66.71   | 01/01/2009 | 31/12/2012 | 1369   | 1              | DINOloket   |
| B62B0667001 | 192575 | 315175 | 103.20 | 85.56   | 84.56   | 03/01/1976 | 14/10/1998 | 585    | 16             | DINOloket   |
| B62B0688081 | 192565 | 315256 | 98.48  | 82.73   | 72.48   | 01/01/2009 | 31/12/2012 | 1400   | 1              | DINOloket   |
| B62B0730081 | 192559 | 315135 | 101.14 | 77.14   | 80.14   | 01/01/2009 | 31/12/2012 | 1400   | 1              | DINOloket   |
| B62B0731081 | 192478 | 315219 | 98.02  | 78.02   | 81.02   | 01/01/2009 | 31/12/2012 | 1274   | 1              | DINOloket   |
| B62B0742081 | 192401 | 315225 | 97.37  | 77.27   | 80.27   | 01/01/2009 | 31/12/2012 | 1369   | 1              | DINOloket   |
| B62B0746001 | 194360 | 323440 | 91.01  | 87.51   | 87.01   | 29/01/1975 | 29/04/1982 | 85     | 30             | DINOloket   |
| B62B0746002 | 194360 | 323440 | 91.01  | 85.21   | 84.71   | 08/02/1970 | 29/04/1982 | 147    | 30             | DINOloket   |
| B62B0746003 | 194360 | 323440 | 91.01  | 81.51   | 81.01   | 08/02/1970 | 29/04/1982 | 147    | 30             | DINOloket   |
| B62B0747001 | 194560 | 322620 | 92.59  | 84.59   | 84.09   | 08/02/1970 | 28/09/1973 | 50     | 92             | DINOloket   |
| B62B0748001 | 190466 | 314918 | 89.82  | 84.32   | 83.32   | 09/04/1979 | 03/06/2024 | 4512   | 1              | provLimburg |
| B62B0748002 | 190466 | 314918 | 89.82  | 69.82   | 68.82   | 09/04/1979 | 03/06/2024 | 4452   | 1              | provLimburg |
| B62B0813001 | 194700 | 323280 | 94.15  | 90.65   | 90.15   | 28/03/1974 | 28/01/1993 | 221    | 31             | DINOloket   |
| B62B0813002 | 194700 | 323280 | 94.15  | 88.75   | 88.25   | 28/03/1974 | 28/01/1993 | 221    | 31             | DINOloket   |
| B62B0813003 | 194700 | 323280 | 94.15  | 86.15   | 85.65   | 28/03/1974 | 28/01/1993 | 221    | 31             | DINOloket   |
| B62B0832081 | 191271 | 320898 | 97.15  | 92.16   | 45.17   | 01/01/2009 | 31/12/2012 | 1001   | 1              | DINOloket   |
| B62B0837001 | 192288 | 324736 | 80.40  | 70.24   | 67.24   | 14/01/1980 | 03/06/2024 | 4296   | 1              | provLimburg |
| B62B0837002 | 192288 | 324736 | 80.40  | -15.76  | -20.76  | 14/01/1980 | 03/06/2024 | 4295   | 1              | provLimburg |
| B62B0837003 | 192288 | 324736 | 80.24  | -53.76  | -58.76  | 14/01/1980 | 14/09/1982 | 44     | 32             | DINOloket   |
| B62B0837004 | 192288 | 324736 | 80.40  | -101.26 | -106.26 | 14/01/1980 | 03/06/2024 | 4142   | 1              | provLimburg |
| B62B0838001 | 193277 | 322215 | 83.50  | 71.42   | 68.42   | 14/01/1980 | 03/06/2024 | 4606   | 1              | provLimburg |
| B62B0838002 | 193277 | 322215 | 83.50  | 15.42   | 10.42   | 14/01/1980 | 03/06/2024 | 4606   | 1              | provLimburg |
| B62B0838003 | 193277 | 322215 | 83.50  | -5.58   | -10.58  | 14/01/1980 | 03/06/2024 | 4603   | 1              | provLimburg |
| B62B0838004 | 193277 | 322215 | 83.50  | -81.58  | -86.58  | 14/01/1980 | 03/06/2024 | 4600   | 1              | provLimburg |
| B62B0846081 | 192581 | 315321 | 99.00  | 89.00   | 52.50   | 01/01/2009 | 31/12/2012 | 1382   | 1              | DINOloket   |
| B62B0848001 | 199680 | 314660 | 175.10 | 163.60  | 158.60  | 14/09/1982 | 28/12/1992 | 193    | 14             | DINOloket   |
| B62B0849001 | 199342 | 314659 | 175.00 | 161.98  | 156.98  | 14/09/1982 | 03/06/2024 | 4664   | 1              | provLimburg |
| B62B0853001 | 191320 | 320895 | 106.07 | 86.07   | 78.07   | 16/01/1990 | 11/10/2018 | 6694   | 1              | DINOloket   |
| B62B0854001 | 191405 | 320925 | 102.56 | 30.56   | 25.56   | 13/01/1989 | 11/10/2018 | 6610   | 1              | DINOloket   |
| B62B0855001 | 191545 | 321005 | 95.13  | 41.13   | 33.13   | 13/01/1989 | 31/12/2015 | 4720   | 1              | DINOloket   |
| B62B0860001 | 192350 | 320330 | 120.44 | 83.49   | 80.49   | 13/01/1989 | 11/10/2018 | 6560   | 1              | DINOloket   |
| B62B0862001 | 194270 | 319970 | 123.45 | 79.28   | 78.28   | 13/01/1989 | 09/10/2007 | 2766   | 1              | DINOloket   |
| B62B0888001 | 193610 | 316340 | 169.57 | 147.57  | 142.57  | 14/05/1993 | 31/12/2016 | 6051   | 1              | DINOloket   |
| B62B0888002 | 193610 | 316340 | 169.57 | 131.17  | 126.17  | 14/04/1988 | 31/12/2016 | 6009   | 1              | DINOloket   |
| B62B0888003 | 193610 | 316340 | 169.57 | 121.57  | 118.57  | 14/04/1988 | 31/12/2016 | 6119   | 1              | DINOloket   |
| B62B0889001 | 192770 | 314520 | 141.07 | 131.07  | 126.07  | 14/05/1993 | 31/12/2016 | 5773   | 1              | DINOloket   |
| B62B0889002 | 192770 | 314520 | 141.07 | 103.57  | 98.57   | 14/04/1988 | 31/12/2016 | 5944   | 1              | DINOloket   |
| B62B0889003 | 192770 | 314520 | 141.07 | 90.07   | 85.07   | 14/04/1988 | 31/12/2016 | 5837   | 1              | DINOloket   |
| B62B0889004 | 192770 | 314520 | 141.07 | 76.87   | 71.87   | 14/04/1988 | 31/12/2016 | 5856   | 1              | DINOloket   |
| B62B0890001 | 193425 | 313710 | 103.32 | 96.72   | 93.72   | 27/05/1988 | 31/12/2016 | 5901   | 1              | DINOloket   |

| naam        | xCoor  | yCoor  | mvNAP  | BKfilt | OKfilt | datum1     | laatste    | aantal | laatste dt [d] | bron        |
|-------------|--------|--------|--------|--------|--------|------------|------------|--------|----------------|-------------|
| B62B0890002 | 193425 | 313710 | 103.32 | 60.02  | 57.02  | 14/04/1988 | 31/12/2016 | 6122   | 1              | DINOloket   |
| B62B0891001 | 191810 | 315915 | 166.64 | 156.64 | 151.64 | 15/12/1997 | 31/12/2016 | 5932   | 1              | DINOloket   |
| B62B0891002 | 191810 | 315915 | 166.64 | 126.64 | 121.64 | 15/12/1997 | 08/04/2008 | 2649   | 1              | DINOloket   |
| B62B0891003 | 191810 | 315915 | 166.64 | 95.84  | 90.84  | 16/05/1988 | 31/12/2016 | 5859   | 1              | DINOloket   |
| B62B0891004 | 191810 | 315915 | 166.64 | 86.64  | 81.64  | 16/05/1988 | 31/12/2016 | 6123   | 1              | DINOloket   |
| B62B0892001 | 193810 | 314800 | 134.02 | 127.02 | 122.02 | 14/05/1993 | 14/06/1999 | 141    | 17             | DINOloket   |
| B62B0892002 | 193810 | 314800 | 134.02 | 109.62 | 104.62 | 14/06/1988 | 31/12/2016 | 5996   | 1              | DINOloket   |
| B62B0892003 | 193810 | 314800 | 134.02 | 97.02  | 92.02  | 14/06/1988 | 31/12/2016 | 6086   | 1              | DINOloket   |
| B62B0892004 | 193810 | 314800 | 134.02 | 83.02  | 78.02  | 28/06/1988 | 31/12/2016 | 6084   | 1              | DINOloket   |
| B62B0899001 | 193450 | 324030 | 92.50  | 82.05  | 80.05  | 14/01/2000 | 28/12/2022 | 398    | 14             | provLimburg |
| B62B0899002 | 193450 | 324030 | 92.50  | 73.55  | 71.55  | 14/01/2000 | 28/12/2022 | 406    | 14             | provLimburg |
| B62B0899003 | 193450 | 324030 | 92.50  | 40.56  | 38.56  | 14/01/2000 | 28/12/2022 | 407    | 14             | provLimburg |
| B62B0899004 | 193450 | 324030 | 92.50  | 19.04  | 15.04  | 14/01/2000 | 28/12/2022 | 406    | 14             | provLimburg |
| B62B0899005 | 193450 | 324030 | 92.50  | -12.96 | -14.96 | 14/01/2000 | 28/12/2022 | 407    | 14             | provLimburg |
| B62B0901001 | 192390 | 318940 | 155.04 | 135.04 | 130.04 | 02/06/1992 | 14/06/1999 | 164    | 17             | DINOloket   |
| B62B0901002 | 192390 | 318940 | 155.04 | 121.79 | 116.79 | 02/06/1992 | 11/10/2018 | 6849   | 1              | DINOloket   |
| B62B0901003 | 192390 | 318940 | 155.04 | 109.04 | 107.04 | 02/06/1992 | 11/10/2018 | 6763   | 1              | DINOloket   |
| B62B0901004 | 192390 | 318940 | 155.04 | 62.54  | 57.54  | 02/06/1992 | 11/10/2018 | 6780   | 1              | DINOloket   |
| B62B0902001 | 192020 | 320770 | 98.37  | 86.37  | 83.37  | 02/06/1992 | 11/10/2018 | 6338   | 1              | DINOloket   |
| B62B0902002 | 192020 | 320770 | 98.37  | 76.37  | 73.37  | 02/06/1992 | 11/10/2018 | 6382   | 1              | DINOloket   |
| B62B0902003 | 192020 | 320770 | 98.37  | 46.37  | 41.37  | 02/06/1992 | 11/10/2018 | 6484   | 1              | DINOloket   |
| B62B0902004 | 192020 | 320770 | 98.37  | 21.37  | 16.37  | 02/06/1992 | 11/10/2018 | 6425   | 1              | DINOloket   |
| B62B0903001 | 190745 | 323360 | 92.62  | 67.62  | 63.62  | 02/06/1992 | 09/10/2007 | 2695   | 1              | DINOloket   |
| B62B0903002 | 190745 | 323360 | 92.62  | 50.62  | 45.62  | 02/06/1992 | 09/10/2007 | 2676   | 1              | DINOloket   |
| B62B0903003 | 190745 | 323360 | 92.62  | 30.62  | 28.62  | 02/06/1992 | 09/10/2007 | 2674   | 1              | DINOloket   |
| B62B0903004 | 190745 | 323360 | 92.62  | -56.38 | -61.38 | 02/06/1992 | 09/10/2007 | 2674   | 1              | DINOloket   |
| B62B0903005 | 190745 | 323360 | 92.62  | -77.38 | -82.38 | 02/06/1992 | 09/10/2007 | 2673   | 1              | DINOloket   |
| B62B0904001 | 193985 | 322000 | 91.17  | 85.17  | 83.17  | 02/06/1992 | 09/10/2007 | 2679   | 1              | DINOloket   |
| B62B0904002 | 193985 | 322000 | 91.17  | 77.17  | 75.17  | 02/06/1992 | 09/10/2007 | 2692   | 1              | DINOloket   |
| B62B0905001 | 192895 | 323225 | 76.48  | 73.28  | 72.88  | 02/06/1992 | 09/10/2007 | 2676   | 1              | DINOloket   |
| B62B0905002 | 192895 | 323225 | 76.48  | 68.88  | 68.08  | 02/06/1992 | 09/10/2007 | 2676   | 1              | DINOloket   |
| B62B0906001 | 192030 | 321470 | 84.22  | 83.52  | 82.52  | 02/06/1992 | 11/10/2018 | 6554   | 1              | DINOloket   |
| B62B0906002 | 192030 | 321470 | 84.22  | 78.42  | 77.42  | 02/06/1992 | 11/10/2018 | 6480   | 1              | DINOloket   |
| B62B0906003 | 192030 | 321470 | 84.22  | 75.22  | 73.22  | 02/06/1992 | 11/10/2018 | 6520   | 1              | DINOloket   |
| B62B0907001 | 190960 | 320420 | 117.44 | 105.44 | 100.44 | 02/06/1992 | 14/06/1999 | 164    | 17             | DINOloket   |
| B62B0907002 | 190960 | 320420 | 117.44 | 85.94  | 80.94  | 02/06/1992 | 11/10/2018 | 6760   | 1              | DINOloket   |
| B62B0907003 | 190960 | 320420 | 117.44 | 75.44  | 73.44  | 02/06/1992 | 11/10/2018 | 6844   | 1              | DINOloket   |
| B62B0907004 | 190960 | 320420 | 117.44 | 48.44  | 43.44  | 02/06/1992 | 11/10/2018 | 6849   | 1              | DINOloket   |
| B62B0907005 | 190960 | 320420 | 117.44 | 22.44  | 17.44  | 02/06/1992 | 11/10/2018 | 6845   | 1              | DINOloket   |
| B62B0908001 | 190570 | 315820 | 84.36  | 81.27  | 80.27  | 28/01/1993 | 29/06/2017 | 552    | 9              | DINOloket   |
| B62B0908002 | 190570 | 315820 | 84.36  | 76.25  | 74.25  | 28/01/1993 | 29/06/2017 | 552    | 9              | DINOloket   |
| B62B0909001 | 190610 | 315810 | 84.70  | 81.11  | 80.11  | 28/01/1993 | 29/06/2017 | 575    | 9              | DINOloket   |
| B62B0909002 | 190610 | 315810 | 84.70  | 76.56  | 74.56  | 28/01/1993 | 29/06/2017 | 574    | 9              | DINOloket   |
| B62B0910001 | 190660 | 315860 | 85.88  | 83.42  | 82.42  | 28/01/1993 | 28/11/2013 | 36     | 14             | DINOloket   |



| naam        | xCoor  | yCoor  | mvNAP  | BKfilt | OKfilt | datum1     | laatste    | aantal | laatste dt [d] | bron        |
|-------------|--------|--------|--------|--------|--------|------------|------------|--------|----------------|-------------|
| B62B0910002 | 190660 | 315860 | 85.88  | 76.80  | 74.80  | 28/01/1993 | 28/11/2013 | 34     | 14             | DINOloket   |
| B62B0910003 | 190660 | 315860 | 85.88  | 47.75  | 45.75  | 28/01/1993 | 28/11/2013 | 37     | 14             | DINOloket   |
| B62B0911001 | 192900 | 315260 | 101.90 | 94.90  | 92.90  | 28/04/1993 | 31/12/2016 | 6054   | 1              | DINOloket   |
| B62B0911002 | 192900 | 315260 | 101.90 | 83.90  | 81.90  | 28/04/1993 | 31/12/2016 | 6051   | 1              | DINOloket   |
| B62B0912001 | 192396 | 317789 | 123.80 | 100.79 | 95.79  | 14/06/1993 | 02/06/2024 | 3930   | 1              | provLimburg |
| B62B0916001 | 193270 | 319540 | 120.45 | 110.45 | 105.45 | 14/12/1994 | 11/10/2018 | 6664   | 1              | DINOloket   |
| B62B0920001 | 196373 | 314457 | 175.45 | 126.31 | 121.31 | 27/04/1995 | 13/04/2014 | 986    | 1              | DINOloket   |
| B62B0921001 | 198952 | 319953 | 150.55 | 137.25 | 134.25 | 27/04/1995 | 03/06/2024 | 4418   | 1              | provLimburg |
| B62B0921002 | 198952 | 319953 | 150.55 | 132.69 | 130.69 | 27/04/1995 | 03/06/2024 | 4431   | 1              | provLimburg |
| B62B0922001 | 197441 | 322862 | 112.05 | 88.88  | 83.88  | 27/04/1995 | 03/06/2024 | 4084   | 1              | provLimburg |
| B62B0924001 | 192286 | 315327 | 98.89  | 89.91  | 87.91  | 14/01/2000 | 31/12/2016 | 5848   | 1              | DINOloket   |
| B62B0924002 | 192286 | 315327 | 98.89  | 82.09  | 80.09  | 14/01/2000 | 31/12/2016 | 5906   | 1              | DINOloket   |
| B62B0926001 | 190520 | 315320 | 88.63  | 85.13  | 82.13  | 15/01/2001 | 29/06/2017 | 371    | 9              | DINOloket   |
| B62B0926002 | 190520 | 315320 | 88.63  | 80.63  | 77.63  | 15/01/2001 | 29/06/2017 | 371    | 9              | DINOloket   |
| B62B0927003 | 198180 | 318001 | 183.05 | 66.55  | 62.55  | 30/08/2019 | 03/06/2024 | 1649   | 1              | provLimburg |
| B62B0970001 | 190499 | 317421 | 111.45 | 81.98  | 75.98  | 14/01/2000 | 31/12/2016 | 5742   | 1              | DINOloket   |
| B62B0974001 | 190500 | 317430 | 109.91 | -      | 83.46  | 28/08/1957 | 28/08/1998 | 358    | 14             | DINOloket   |
| B62B0975001 | 192500 | 315670 | 172.63 | 96.63  | 95.63  | 09/12/1961 | 31/12/2016 | 7215   | 1              | DINOloket   |
| B62B0976001 | 191860 | 322280 | 82.34  | 78.28  | 77.28  | 14/01/1969 | 31/12/2009 | 2771   | 1              | DINOloket   |
| B62B0977001 | 193135 | 321990 | 88.20  | 79.00  | 78.00  | 14/12/1971 | 14/03/2000 | 337    | 29             | DINOloket   |
| B62B0978001 | 192850 | 321880 | 83.48  | 76.34  | 75.34  | 14/12/1971 | 14/03/2000 | 338    | 29             | DINOloket   |
| B62B0979001 | 192340 | 321760 | 82.80  | 76.20  | 75.20  | 25/11/1970 | 14/08/1974 | 42     | 30             | DINOloket   |
| B62B0980001 | 195360 | 322560 | 103.59 | 99.81  | 99.31  | 15/01/1970 | 30/05/1972 | 33     | 40             | DINOloket   |
| B62B0980002 | 195360 | 322560 | 103.59 | 96.89  | 96.39  | 15/01/1970 | 30/05/1972 | 33     | 40             | DINOloket   |
| B62B0981001 | 193150 | 321485 | 87.95  | 83.75  | 82.75  | 14/12/1971 | 14/03/2000 | 341    | 29             | DINOloket   |
| B62B0982001 | 192670 | 321330 | 88.60  | 82.20  | 81.20  | 14/12/1971 | 14/03/2000 | 337    | 29             | DINOloket   |
| B62B0983001 | 192860 | 321125 | 89.80  | 83.20  | 82.20  | 14/12/1971 | 14/03/2000 | 340    | 29             | DINOloket   |
| B62B0984001 | 194160 | 320940 | 98.92  | 91.53  | 90.53  | 14/12/1971 | 14/04/1986 | 120    | 31             | DINOloket   |
| B62B0985001 | 193030 | 320840 | 93.90  | 89.10  | 88.10  | 25/11/1970 | 13/08/1999 | 332    | 518            | DINOloket   |
| B62B0986001 | 192950 | 321700 | 85.51  | 79.21  | 78.21  | 14/12/1971 | 14/03/2000 | 336    | 29             | DINOloket   |
| B62B0987001 | 190450 | 321420 | 109.55 | 101.38 | 100.38 | 14/01/1980 | 12/10/2018 | 6849   | 1              | DINOloket   |
| B62B0989001 | 191260 | 320920 | 94.19  | 89.96  | 88.96  | 14/01/1991 | 01/11/2018 | 6814   | 1              | DINOloket   |
| B62B0990001 | 192275 | 315280 | 95.10  | 90.71  | 89.71  | 27/05/1994 | 31/12/2013 | 4846   | 1              | DINOloket   |
| B62B0991001 | 197990 | 320855 | 129.75 | 125.75 | 124.75 | 14/02/1995 | 27/04/2007 | 261    | 11             | DINOloket   |
| B62B0992001 | 196780 | 319765 | 121.53 | 117.53 | 116.53 | 14/02/1995 | 27/04/2007 | 279    | 11             | DINOloket   |
| B62B0993001 | 196125 | 316010 | 130.80 | 126.30 | 125.30 | 14/02/1995 | 27/04/2007 | 284    | 11             | DINOloket   |
| B62B0994001 | 197655 | 316050 | 142.86 | 138.86 | 137.86 | 14/02/1995 | 27/04/2007 | 281    | 11             | DINOloket   |
| B62B0995001 | 197995 | 316570 | 151.23 | 149.13 | 145.48 | 14/02/1995 | 27/04/2007 | 284    | 11             | DINOloket   |
| B62B0996001 | 199181 | 324103 | 140.46 | 97.96  | 94.96  | 15/05/2007 | 04/06/2024 | 4351   | 1              | provLimburg |
| B62B0997001 | 196810 | 319840 | 128.24 | 125.04 | 124.04 | 22/03/1965 | 28/02/1969 | 55     | 32             | DINOloket   |
| B62B0998001 | 196960 | 319920 | 132.44 | 129.94 | 128.94 | 21/09/1964 | 30/11/1970 | 102    | 33             | DINOloket   |
| B62B0999001 | 197010 | 319800 | 133.87 | 130.87 | 129.87 | 21/09/1964 | 28/08/1969 | 88     | 34             | DINOloket   |
| B62B1000001 | 192276 | 315281 | 95.04  | 94.99  | 94.69  | 15/04/1991 | 14/04/1994 | 67     | 17             | DINOloket   |
| B62B1001001 | 190510 | 315800 | 84.47  | 83.11  | 82.11  | 28/04/1993 | 29/06/2017 | 569    | 9              | DINOloket   |

| naam        | xCoor  | yCoor  | mvNAP  | BKfilt | OKfilt | datum1     | laatste    | aantal | laatste dt [d] | bron        |
|-------------|--------|--------|--------|--------|--------|------------|------------|--------|----------------|-------------|
| B62B1002001 | 190430 | 315770 | 84.58  | 82.17  | 81.17  | 28/04/1993 | 29/06/2017 | 577    | 9              | DINOloket   |
| B62B1003001 | 190340 | 315730 | 84.17  | 81.87  | 80.87  | 28/04/1993 | 29/06/2017 | 573    | 9              | DINOloket   |
| B62B1004001 | 190150 | 315770 | 85.12  | 82.18  | 81.18  | 28/04/1993 | 28/03/2003 | 236    | 14             | DINOloket   |
| B62B1005001 | 190170 | 315690 | 85.37  | 82.43  | 81.43  | 28/04/1993 | 29/06/2017 | 587    | 9              | DINOloket   |
| B62B1006001 | 190270 | 315650 | 85.57  | 82.69  | 81.69  | 28/04/1993 | 29/06/2017 | 585    | 9              | DINOloket   |
| B62B1007001 | 190230 | 315520 | 87.42  | 84.49  | 83.49  | 28/04/1993 | 29/06/2017 | 584    | 9              | DINOloket   |
| B62B1008001 | 195298 | 315498 | 124.98 | 123.45 | 122.95 | 30/03/1994 | 15/07/1996 | 57     | 17             | DINOloket   |
| B62B1009001 | 195065 | 315300 | 120.33 | 116.88 | 116.38 | 30/03/1994 | 28/11/2011 | 417    | 13             | DINOloket   |
| B62B1010001 | 193560 | 323260 | 85.62  | -      | -      | 14/07/1958 | 28/04/2000 | 957    | 14             | DINOloket   |
| B62B1011001 | 192180 | 322610 | 85.21  | -      | -      | 28/11/1957 | 14/03/2000 | 790    | 29             | DINOloket   |
| B62B1012001 | 190290 | 321700 | 104.14 | -      | -      | 28/11/1957 | 14/10/1971 | 323    | 15             | DINOloket   |
| B62B1013001 | 191090 | 321150 | 96.23  | -      | -      | 28/11/1957 | 14/03/2000 | 787    | 29             | DINOloket   |
| B62B1014001 | 193300 | 319520 | 120.74 | -      | -      | 28/11/1957 | 28/09/1994 | 546    | 30             | DINOloket   |
| B62B1015001 | 197560 | 319140 | 170.24 | -      | 144.37 | 28/11/1957 | 28/07/1971 | 311    | 14             | DINOloket   |
| B62B1016001 | 196220 | 318110 | 195.26 | -      | 162.05 | 28/12/1957 | 09/10/2007 | 3207   | 1              | DINOloket   |
| B62B1017001 | 194560 | 316900 | 201.32 | -      | 144.09 | 01/06/1934 | 28/08/1998 | 651    | 14             | DINOloket   |
| B62B1018001 | 196240 | 317270 | 209.87 | -      | 164.50 | 18/06/1983 | 28/04/2000 | 387    | 14             | DINOloket   |
| B62B1020001 | 192240 | 314680 | 112.87 | 66.70  | 64.70  | 03/04/2004 | 31/12/2016 | 4654   | 1              | DINOloket   |
| B62B1020002 | 192240 | 314680 | 112.87 | 77.74  | 75.74  | 03/04/2004 | 27/09/2016 | 4559   | 1              | DINOloket   |
| B62B1020003 | 192240 | 314680 | 112.87 | 92.79  | 87.79  | 03/04/2004 | 31/12/2016 | 4654   | 1              | DINOloket   |
| B62B1021001 | 190290 | 315690 | 84.83  | 84.83  | 84.83  | 02/09/2004 | 01/12/2023 | 385    | 16             | provLimburg |
| B62B3735001 | 197738 | 324666 | 104.57 | 92.17  | 91.17  | 26/04/2007 | 14/11/2012 | 1566   | 1              | DINOloket   |
| B62B3736001 | 197104 | 324943 | 108.98 | 83.98  | 82.98  | 21/04/2007 | 06/10/2023 | 5953   | 1              | provLimburg |
| B62B4270001 | 199852 | 324008 | 162.73 | 97.34  | 96.34  | 23/05/2008 | 12/09/2019 | 2928   | 1              | DINOloket   |
| B62B4271001 | 199357 | 323362 | 153.70 | 104.64 | 103.64 | 23/05/2008 | 10/09/2019 | 2441   | 1              | DINOloket   |
| B62B4272001 | 199250 | 322323 | 149.80 | 121.17 | 120.17 | 23/05/2008 | 10/09/2019 | 2725   | 1              | DINOloket   |
| B62B4273001 | 199289 | 321420 | 151.31 | 129.28 | 128.28 | 24/07/2008 | 10/09/2019 | 1167   | 1              | DINOloket   |
| B62B4274001 | 199749 | 320538 | 158.72 | 134.25 | 133.25 | 23/05/2008 | 10/09/2019 | 3769   | 1              | DINOloket   |
| B62B4275001 | 199534 | 319569 | 149.06 | 136.63 | 135.63 | 23/05/2008 | 10/09/2019 | 1499   | 1              | DINOloket   |
| B62B4276001 | 199114 | 318796 | 159.93 | 140.81 | 139.81 | 16/03/2016 | 10/09/2019 | 985    | 1              | DINOloket   |
| B62B4277001 | 197715 | 318182 | 195.33 | 139.97 | 138.97 | 23/05/2008 | 08/09/2019 | 2769   | 1              | DINOloket   |
| B62B4278001 | 198521 | 317187 | 177.22 | 158.00 | 157.00 | 23/05/2008 | 08/09/2019 | 2720   | 1              | DINOloket   |
| B62B4279001 | 193988 | 322540 | 87.03  | 78.23  | 77.23  | 22/05/2008 | 08/09/2019 | 2429   | 1              | DINOloket   |
| B62B4280001 | 192739 | 324061 | 92.40  | 79.19  | 78.19  | 15/03/2016 | 08/09/2019 | 1268   | 1              | DINOloket   |
| B62B4281001 | 194130 | 323569 | 89.84  | 85.09  | 84.09  | 22/05/2008 | 08/09/2019 | 1482   | 1              | DINOloket   |
| B62B4282001 | 195019 | 323564 | 97.48  | 87.61  | 86.61  | 25/08/2011 | 01/05/2019 | 2495   | 1              | DINOloket   |
| B62B4283001 | 195986 | 322789 | 108.58 | 92.98  | 91.98  | 23/05/2008 | 09/09/2019 | 2624   | 1              | DINOloket   |
| B62B4284001 | 197023 | 322051 | 113.30 | 99.99  | 98.99  | 21/05/2008 | 10/09/2019 | 1363   | 1              | DINOloket   |
| B62B4285001 | 197006 | 321262 | 128.86 | 101.28 | 100.28 | 18/03/2016 | 09/09/2019 | 1269   | 1              | DINOloket   |
| B62B4286001 | 197615 | 319644 | 170.62 | 136.54 | 135.54 | 23/05/2008 | 08/09/2019 | 3060   | 1              | DINOloket   |
| B62B4287001 | 195574 | 323868 | -      | 82.81  | 81.81  | 20/04/2016 | 08/09/2019 | 950    | 1              | DINOloket   |
| B62B4288001 | 197001 | 323692 | -      | 90.87  | 89.87  | 16/03/2016 | 10/09/2019 | 1272   | 1              | DINOloket   |
| B62B4289001 | 198227 | 323863 | -      | 100.44 | 99.44  | 23/05/2008 | 10/09/2019 | 2949   | 1              | DINOloket   |
| B62B4291001 | 197909 | 322385 | 121.93 | 105.82 | 104.82 | 24/07/2008 | 10/09/2019 | 2284   | 1              | DINOloket   |

| naam        | xCoor  | yCoor  | mvNAP  | BKfilt | OKfilt | datum1     | laatste    | aantal | laatste dt [d] | bron        |
|-------------|--------|--------|--------|--------|--------|------------|------------|--------|----------------|-------------|
| B62B4292001 | 197152 | 322031 | 109.43 | 105.15 | 104.15 | 21/05/2008 | 10/09/2019 | 1894   | 1              | DINOloket   |
| B62B4293001 | 197541 | 321525 | 117.51 | 114.91 | 113.91 | 23/05/2008 | 10/09/2019 | 1952   | 1              | DINOloket   |
| B62B4294001 | 198303 | 320394 | 137.46 | 130.65 | 129.65 | 16/03/2016 | 08/09/2019 | 1229   | 1              | DINOloket   |
| B62B4295001 | 197643 | 320327 | 151.85 | 135.86 | 134.86 | 23/05/2008 | 08/09/2019 | 2756   | 1              | DINOloket   |
| B62B4296001 | 195525 | 324955 | 90.05  | 84.22  | 83.22  | 23/05/2008 | 06/05/2019 | 1347   | 1              | DINOloket   |
| B62B4297001 | 193488 | 323083 | 79.73  | 68.35  | 67.35  | 22/05/2008 | 08/09/2019 | 3356   | 1              | DINOloket   |
| B62B4298001 | 194434 | 322388 | 83.11  | 79.37  | 78.37  | 22/05/2008 | 08/09/2019 | 3393   | 1              | DINOloket   |
| B62B4300001 | 195043 | 321989 | 91.59  | 85.49  | 84.49  | 21/05/2008 | 08/09/2019 | 3707   | 1              | DINOloket   |
| B62B4301001 | 196003 | 321662 | 97.03  | 91.75  | 90.75  | 21/05/2008 | 09/09/2019 | 1283   | 1              | DINOloket   |
| B62B4302001 | 196118 | 320369 | 106.17 | 98.63  | 97.63  | 21/05/2008 | 08/09/2019 | 2602   | 1              | DINOloket   |
| B62B4303001 | 196641 | 319486 | 121.16 | 117.33 | 116.33 | 21/05/2008 | 08/09/2019 | 2666   | 1              | DINOloket   |
| B62B4304001 | 196234 | 324618 | 100.25 | 87.45  | 86.45  | 06/10/2008 | 09/09/2019 | 2566   | 1              | DINOloket   |
| B62B4306001 | 198713 | 324581 | 128.95 | 96.14  | 95.14  | 06/10/2008 | 10/09/2019 | 2984   | 1              | DINOloket   |
| B62B4307001 | 196866 | 322848 | 102.32 | 90.82  | 89.82  | 23/05/2008 | 09/09/2019 | 465    | 1              | DINOloket   |
| B62B4308001 | 198888 | 320257 | 146.74 | 133.13 | 132.13 | 23/05/2008 | 10/09/2019 | 3025   | 1              | DINOloket   |
| B62B4309001 | 195496 | 321150 | 106.42 | 94.63  | 93.63  | 21/05/2008 | 08/09/2019 | 2343   | 1              | DINOloket   |
| B62B4310001 | 196053 | 319358 | 120.21 | 114.42 | 113.42 | 21/05/2008 | 08/09/2019 | 1304   | 1              | DINOloket   |
| B62B4311001 | 193751 | 324337 | 84.13  | 75.28  | 74.28  | 22/05/2008 | 08/09/2019 | 1465   | 1              | DINOloket   |
| B62B4312001 | 197979 | 316577 | 151.26 | 145.84 | 144.84 | 24/07/2008 | 08/09/2019 | 1408   | 1              | DINOloket   |
| B62B4313001 | 196391 | 321875 | 110.45 | 99.44  | 98.44  | 21/05/2008 | 09/09/2019 | 3733   | 1              | DINOloket   |
| B62B4314001 | 196640 | 322054 | 113.79 | 103.22 | 102.22 | 21/05/2008 | 09/09/2019 | 3348   | 1              | DINOloket   |
| B62B4315001 | 196876 | 321788 | 116.91 | 102.96 | 101.96 | 21/05/2008 | 09/09/2019 | 1500   | 1              | DINOloket   |
| B62B4316001 | 192825 | 324459 | 87.96  | 78.87  | 77.87  | 22/05/2008 | 08/09/2019 | 1649   | 1              | DINOloket   |
| B62B4317001 | 196128 | 321867 | 102.93 | 96.22  | 91.22  | 21/05/2008 | 09/09/2019 | 3556   | 1              | DINOloket   |
| B62B4318001 | 196120 | 321918 | 105.74 | 96.51  | 95.51  | 21/05/2008 | 09/09/2019 | 3451   | 1              | DINOloket   |
| B62B4319001 | 196312 | 322978 | 103.00 | 89.21  | 88.21  | 24/07/2008 | 09/09/2019 | 1427   | 1              | DINOloket   |
| B62B4320001 | 196525 | 323158 | 100.54 | 93.97  | 92.97  | 23/05/2008 | 07/02/2019 | 1360   | 1              | DINOloket   |
| B62B4321001 | 196066 | 322450 | 107.70 | 96.62  | 95.62  | 22/05/2008 | 09/09/2019 | 2598   | 1              | DINOloket   |
| B62B4322001 | 196897 | 320108 | 125.24 | 117.90 | 116.90 | 23/05/2008 | 08/09/2019 | 1456   | 1              | DINOloket   |
| B62B4323001 | 197289 | 320489 | 134.19 | 129.30 | 128.30 | 23/05/2008 | 08/09/2019 | 1331   | 1              | DINOloket   |
| B62B4324001 | 196047 | 324947 | 93.43  | 87.21  | 86.21  | 24/07/2008 | 09/09/2019 | 1391   | 1              | DINOloket   |
| B62B4325001 | 195273 | 323426 | 107.28 | 86.94  | 85.94  | 18/03/2016 | 08/09/2019 | 1265   | 1              | DINOloket   |
| B62B4327001 | 194924 | 323616 | 92.46  | 86.29  | 85.29  | 23/05/2008 | 08/09/2019 | 3128   | 1              | DINOloket   |
| B62B4328001 | 194806 | 323684 | 91.18  | 84.41  | 83.41  | 17/03/2016 | 08/09/2019 | 1235   | 1              | DINOloket   |
| B62B4329001 | 194659 | 323761 | 89.84  | 86.60  | 85.60  | 23/05/2008 | 08/09/2019 | 2877   | 1              | DINOloket   |
| B62B4337001 | 198220 | 324793 | 110.09 | 85.60  | 84.10  | 02/07/2008 | 13/01/2021 | 4537   | 1              | DINOloket   |
| B62B4367001 | 196540 | 324294 | 94.26  | 84.06  | 79.06  | 01/01/2017 | 06/10/2023 | 2470   | 1              | provLimburg |
| B62B4368001 | 190382 | 324120 | 80.73  | -      | -      | 20/11/2008 | 24/04/2019 | 3620   | 1              | DINOloket   |
| B62B4369001 | 190570 | 324992 | 77.76  | 77.25  | 76.75  | 20/11/2008 | 15/04/2024 | 5623   | 1              | provLimburg |
| B62B4370001 | 193751 | 323130 | 78.68  | 78.18  | 77.68  | 20/11/2008 | 21/04/2024 | 5383   | 1              | provLimburg |
| B62B4371001 | 194180 | 322739 | 80.00  | 79.45  | 78.95  | 20/11/2008 | 22/04/2024 | 5452   | 1              | provLimburg |
| B62B4372001 | 195309 | 321994 | 87.36  | 86.77  | 86.27  | 20/11/2008 | 09/10/2023 | 5022   | 1              | provLimburg |
| B62B4432081 | 192499 | 315315 | 98.10  | 81.14  | 72.14  | 11/05/2011 | 31/12/2012 | 601    | 1              | DINOloket   |
| B62B4433001 | 190145 | 315769 | 85.81  | 82.18  | 81.18  | 04/04/2003 | 29/06/2017 | 348    | 9              | DINOloket   |

| naam        | xCoor  | yCoor  | mvNAP  | BKfilt | OKfilt | datum1     | laatste    | aantal | laatste dt [d] | bron        |
|-------------|--------|--------|--------|--------|--------|------------|------------|--------|----------------|-------------|
| B62B4434001 | 192546 | 315180 | 97.35  | 96.16  | 95.66  | 12/02/2011 | 30/10/2023 | 4292   | 1              | provLimburg |
| B62B4435001 | 197736 | 324664 | 104.81 | 88.25  | 87.25  | 14/11/2012 | 10/09/2019 | 2422   | 1              | DINOloket   |
| B62B4464001 | 191807 | 324364 | 74.25  | 71.11  | 70.11  | 23/07/2009 | 24/04/2017 | 2663   | 1              | DINOloket   |
| B62B4465001 | 194121 | 322685 | 81.51  | 77.72  | 76.72  | 23/07/2009 | 24/04/2017 | 2760   | 1              | DINOloket   |
| B62B4466001 | 196387 | 314461 | 175.80 | 138.70 | 134.70 | 03/09/2015 | 03/06/2024 | 2704   | 1              | provLimburg |
| B62B4467001 | 194537 | 316914 | 201.27 | 129.64 | 124.64 | 14/01/2000 | 31/12/2016 | 5895   | 1              | DINOloket   |
| B62B4503001 | 194152 | 321541 | 94.20  | 82.24  | 78.24  | 29/06/2016 | 11/10/2018 | 829    | 1              | DINOloket   |
| B62B4504001 | 192835 | 323863 | 75.22  | 73.92  | 73.72  | 18/04/2013 | 02/05/2024 | 3853   | 1              | provLimburg |
| B62B4504002 | 192835 | 323863 | -      | 73.92  | 73.72  | 18/04/2013 | 20/11/2017 | 1545   | 1              | DINOloket   |
| B62B4505002 | 193568 | 320914 | 97.13  | 70.13  | 69.13  | 14/10/2005 | 13/08/2017 | 4304   | 1              | DINOloket   |
| B62B4506001 | 193201 | 321192 | 91.16  | 88.16  | 87.16  | 14/10/2005 | 20/11/2020 | 4544   | 1              | DINOloket   |
| B62B4506002 | 193201 | 321192 | 91.16  | 64.66  | 63.66  | 14/10/2005 | 20/11/2020 | 5092   | 1              | DINOloket   |
| B62B4507001 | 192927 | 321454 | 86.71  | 83.67  | 82.67  | 14/10/2005 | 05/04/2013 | 2725   | 1              | DINOloket   |
| B62B4507002 | 192927 | 321454 | 86.71  | 67.71  | 66.71  | 14/10/2005 | 05/04/2013 | 2682   | 1              | DINOloket   |
| B62B4508001 | 193321 | 322019 | 85.32  | 81.32  | 80.32  | 14/10/2005 | 20/11/2020 | 5316   | 1              | DINOloket   |
| B62B4509001 | 193619 | 321007 | 95.30  | 91.30  | 90.30  | 14/10/2005 | 20/11/2020 | 5099   | 1              | DINOloket   |
| B62B4510001 | 192888 | 321633 | 85.90  | 83.35  | 82.35  | 11/10/2011 | 05/04/2013 | 543    | 1              | DINOloket   |
| B62B4511001 | 192918 | 321635 | 85.91  | 82.71  | 81.71  | 05/02/2016 | 20/11/2020 | 1751   | 1              | DINOloket   |
| B62B4512001 | 193015 | 321674 | 85.08  | 82.38  | 81.38  | 11/10/2011 | 01/11/2019 | 985    | 391            | DINOloket   |
| B62B4513001 | 192879 | 321729 | 83.92  | 81.64  | 80.64  | 11/10/2011 | 20/11/2020 | 2294   | 1              | DINOloket   |
| B62B4514001 | 192997 | 321629 | 86.17  | 84.97  | 83.97  | 11/10/2011 | 05/04/2013 | 543    | 1              | DINOloket   |
| B62B4515001 | 192998 | 321635 | 86.06  | 84.96  | 83.96  | 05/02/2016 | 20/11/2020 | 1750   | 1              | DINOloket   |
| B62B4516001 | 192944 | 321551 | 86.73  | 84.88  | 83.88  | 11/10/2011 | 05/04/2013 | 543    | 1              | DINOloket   |
| B62B4517001 | 192942 | 321557 | 86.68  | 84.03  | 83.03  | 05/02/2016 | 20/11/2020 | 1751   | 1              | DINOloket   |
| B62B4518001 | 193087 | 321892 | 83.13  | 81.11  | 80.11  | 05/02/2016 | 20/11/2020 | 1751   | 1              | DINOloket   |
| B62B4519001 | 192938 | 321809 | 85.85  | 82.06  | 81.06  | 05/02/2016 | 24/02/2016 | 20     | 1              | DINOloket   |
| B62B4520001 | 193590 | 321128 | 93.17  | 89.17  | 88.17  | 14/10/2005 | 20/11/2020 | 5099   | 1              | DINOloket   |
| B62B4521001 | 193492 | 321298 | 91.23  | 87.23  | 86.23  | 14/10/2005 | 20/11/2020 | 5099   | 1              | DINOloket   |
| B62B4522001 | 193496 | 321286 | 91.24  | 87.24  | 86.24  | 14/10/2005 | 20/11/2020 | 5099   | 1              | DINOloket   |
| B62B4523001 | 193834 | 320763 | 97.45  | 93.45  | 92.45  | 14/10/2005 | 20/11/2020 | 5499   | 1              | DINOloket   |
| B62B4524001 | 194090 | 320839 | 99.00  | 94.40  | 93.40  | 14/10/2005 | 20/11/2020 | 5499   | 1              | DINOloket   |
| B62B4525001 | 193787 | 320981 | 94.76  | 90.76  | 89.76  | 14/10/2005 | 20/11/2020 | 5499   | 1              | DINOloket   |
| B62B4526001 | 193383 | 321380 | 90.70  | 86.70  | 85.70  | 14/10/2005 | 20/11/2020 | 5499   | 1              | DINOloket   |
| B62B4527001 | 193794 | 321071 | 93.62  | 89.62  | 88.62  | 14/10/2005 | 20/11/2020 | 5077   | 1              | DINOloket   |
| B62B4528001 | 193101 | 320998 | 91.61  | 87.61  | 86.61  | 13/01/2010 | 20/11/2020 | 3965   | 1              | DINOloket   |
| B62B4529001 | 192864 | 321815 | 83.42  | 79.42  | 78.42  | 14/10/2005 | 05/04/2013 | 2713   | 1              | DINOloket   |
| B62B4530001 | 192864 | 321814 | 83.72  | 79.65  | 78.65  | 05/02/2016 | 20/11/2020 | 1751   | 1              | DINOloket   |
| B62B4531001 | 192777 | 321571 | 87.34  | 83.34  | 82.34  | 14/10/2005 | 05/04/2013 | 2713   | 1              | DINOloket   |
| B62B4532001 | 192778 | 321576 | 87.65  | 83.35  | 82.35  | 05/02/2016 | 01/11/2019 | 411    | 1              | DINOloket   |
| B62B4533001 | 192538 | 321507 | 86.94  | 82.94  | 81.94  | 14/10/2005 | 20/11/2020 | 5099   | 1              | DINOloket   |
| B62B4534001 | 193139 | 321598 | 86.98  | 83.23  | 82.23  | 14/10/2005 | 20/11/2020 | 4544   | 1              | DINOloket   |
| B62B4535001 | 193279 | 321598 | 87.68  | 83.68  | 82.68  | 14/10/2005 | 20/11/2020 | 5099   | 1              | DINOloket   |
| B62B4536001 | 192868 | 321229 | 89.01  | 85.01  | 84.01  | 14/10/2005 | 20/11/2020 | 3919   | 1              | DINOloket   |
| B62B4537001 | 192634 | 321303 | 88.31  | 84.31  | 83.31  | 14/10/2005 | 20/11/2020 | 5099   | 1              | DINOloket   |

| naam        | xCoor  | yCoor  | mvNAP  | BKfilt  | OKfilt  | datum1     | laatste    | aantal | laatste dt [d] | bron        |
|-------------|--------|--------|--------|---------|---------|------------|------------|--------|----------------|-------------|
| B62B4538001 | 193237 | 320923 | 94.46  | 90.71   | 89.71   | 14/10/2005 | 20/11/2020 | 5099   | 1              | DINOloket   |
| B62B4547001 | 192940 | 316127 | 191.54 | 30.55   | 25.55   | 31/07/2018 | 04/06/2024 | 2022   | 1              | provLimburg |
| B62B4551001 | 194378 | 322449 | 81.59  | -2.47   | -7.47   | 16/03/2019 | 04/06/2024 | 1899   | 1              | provLimburg |
| B62B4552001 | 194674 | 324196 | 81.77  | 65.28   | 62.28   | 05/07/2019 | 04/06/2024 | 1787   | 1              | provLimburg |
| B62B4552002 | 194674 | 324196 | 81.77  | 13.76   | 3.76    | 05/07/2019 | 04/06/2024 | 1732   | 1              | provLimburg |
| B62B4553001 | 194194 | 323736 | 91.06  | 50.27   | 45.27   | 01/11/2018 | 04/06/2024 | 1963   | 1              | provLimburg |
| B62B4553002 | 194194 | 323736 | 91.06  | -1.75   | -11.75  | 01/11/2018 | 04/06/2024 | 1962   | 1              | provLimburg |
| B62B4553003 | 194194 | 323736 | 90.85  | -70.11  | -90.11  | 01/11/2018 | 15/10/2020 | 564    | 128            | DINOloket   |
| B62B4554001 | 192746 | 322307 | 84.77  | 73.58   | 70.58   | 01/11/2018 | 04/06/2024 | 2034   | 1              | provLimburg |
| B62B4554002 | 192746 | 322307 | 84.77  | 37.55   | 27.55   | 01/11/2018 | 04/06/2024 | 2026   | 1              | provLimburg |
| B62B4724001 | 193506 | 322132 | 82.75  | 82.73   | 82.23   | 19/06/2020 | 22/04/2024 | 1044   | 145            | provLimburg |
| B62B4725001 | 190348 | 324144 | 84.84  | 83.70   | 83.45   | 02/12/2019 | 15/04/2024 | 1597   | 1              | provLimburg |
| B62B4727001 | 194197 | 323744 | 91.12  | -70.00  | -80.00  | 01/11/2018 | 04/06/2024 | 1597   | 1              | provLimburg |
| B62B4728001 | 192744 | 322309 | 84.92  | -126.75 | -136.75 | 10/04/2021 | 04/06/2024 | 1090   | 1              | provLimburg |
| B62D0232001 | 194503 | 310126 | 213.62 | 165.61  | 160.61  | 16/05/1995 | 04/06/2024 | 4195   | 1              | provLimburg |
| B62D0232002 | 194503 | 310126 | 213.62 | 152.06  | 147.06  | 16/05/1995 | 04/06/2024 | 4350   | 1              | provLimburg |
| B62D0234001 | 197075 | 308638 | 240.20 | 192.07  | 187.07  | 15/09/1995 | 03/06/2024 | 4453   | 1              | provLimburg |
| B62D0253001 | 194059 | 312086 | 123.49 | 118.00  | 0.00    | 02/03/1967 | 04/06/2024 | 4975   | 1              | provLimburg |
| B62D1111001 | 193548 | 311939 | 114.43 | 113.87  | 113.37  | 14/02/2017 | 21/04/2024 | 2624   | 1              | provLimburg |
| B62E0172001 | 202876 | 323146 | 102.41 | -463.94 | -464.94 | 02/01/1968 | 03/06/2024 | 4680   | 1              | provLimburg |
| B62E0309001 | 203518 | 320663 | 146.68 | -353.58 | -354.58 | 25/02/1970 | 04/06/2024 | 2553   | 1              | provLimburg |
| B62E0430001 | 203440 | 322120 | 95.22  | 86.72   | 83.72   | 28/08/1980 | 28/05/1997 | 403    | 14             | DINOloket   |
| B62E0430002 | 203440 | 322120 | 95.22  | 73.02   | 68.02   | 28/08/1980 | 28/05/1997 | 403    | 14             | DINOloket   |
| B62E0431001 | 202080 | 323665 | 114.40 | 92.40   | 87.40   | 28/08/1980 | 29/12/1997 | 407    | 215            | DINOloket   |
| B62E0431002 | 202080 | 323665 | 114.40 | 82.90   | 79.90   | 28/08/1980 | 29/12/1997 | 407    | 215            | DINOloket   |
| B62E0432001 | 202530 | 323375 | 111.47 | 75.97   | 70.97   | 14/10/1980 | 29/12/1997 | 400    | 215            | DINOloket   |
| B62E0433001 | 202480 | 323230 | 104.44 | 100.74  | 95.74   | 28/08/1980 | 29/12/1997 | 329    | 215            | DINOloket   |
| B62E0433002 | 202480 | 323230 | 104.44 | 81.94   | 76.94   | 28/08/1980 | 29/12/1997 | 407    | 215            | DINOloket   |
| B62E0434001 | 203000 | 322315 | 108.48 | 89.48   | 84.48   | 28/08/1980 | 28/11/1990 | 241    | 14             | DINOloket   |
| B62E0434002 | 203000 | 322315 | 108.48 | 80.98   | 75.98   | 28/08/1980 | 28/11/1990 | 238    | 14             | DINOloket   |
| B62E0436001 | 203557 | 324438 | 96.07  | 80.07   | 75.07   | 28/08/1980 | 03/01/2006 | 862    | 20             | DINOloket   |
| B62E0436002 | 203557 | 324438 | 96.20  | 56.07   | 51.07   | 28/08/1980 | 27/01/2017 | 2067   | 1              | DINOloket   |
| B62E0436003 | 203557 | 324438 | 96.20  | 25.57   | 20.57   | 28/08/1980 | 27/01/2017 | 2418   | 1              | DINOloket   |
| B62E0440001 | 202330 | 323570 | 127.47 | 104.47  | 99.47   | 29/12/1997 | 29/12/1997 | 1      | -99            | DINOloket   |
| B62E0440002 | 202330 | 323570 | 127.47 | 95.47   | 90.47   | 19/01/1984 | 29/12/1997 | 319    | 215            | DINOloket   |
| B62E0441001 | 202620 | 323840 | 121.52 | 88.52   | 83.52   | 19/01/1984 | 29/12/1997 | 333    | 215            | DINOloket   |
| B62E0441002 | 202620 | 323840 | 121.52 | 78.52   | 73.52   | 19/01/1984 | 29/12/1997 | 333    | 215            | DINOloket   |
| B62E0441003 | 202620 | 323840 | 121.52 | 69.52   | 64.52   | 19/01/1984 | 29/12/1997 | 333    | 215            | DINOloket   |
| B62E0450001 | 203130 | 323620 | 98.31  | 90.21   | 89.21   | 14/04/1994 | 29/12/1997 | 76     | 215            | DINOloket   |
| B62E0450002 | 203130 | 323620 | 98.31  | 83.91   | 81.91   | 14/04/1994 | 29/12/1997 | 76     | 215            | DINOloket   |
| B62E0450003 | 203130 | 323620 | 98.31  | 74.31   | 72.31   | 14/04/1994 | 29/12/1997 | 76     | 215            | DINOloket   |
| B62E0452001 | 200587 | 324813 | 141.94 | 103.81  | 100.81  | 27/04/1995 | 14/01/1998 | 60     | 16             | DINOloket   |
| B62E0457001 | 200588 | 324815 | 142.83 | 137.50  | 135.50  | 15/05/2007 | 04/06/2024 | 4122   | 1              | provLimburg |
| B62E0457002 | 200588 | 324815 | 142.83 | 86.90   | 83.90   | 15/05/2007 | 04/06/2024 | 4131   | 1              | provLimburg |

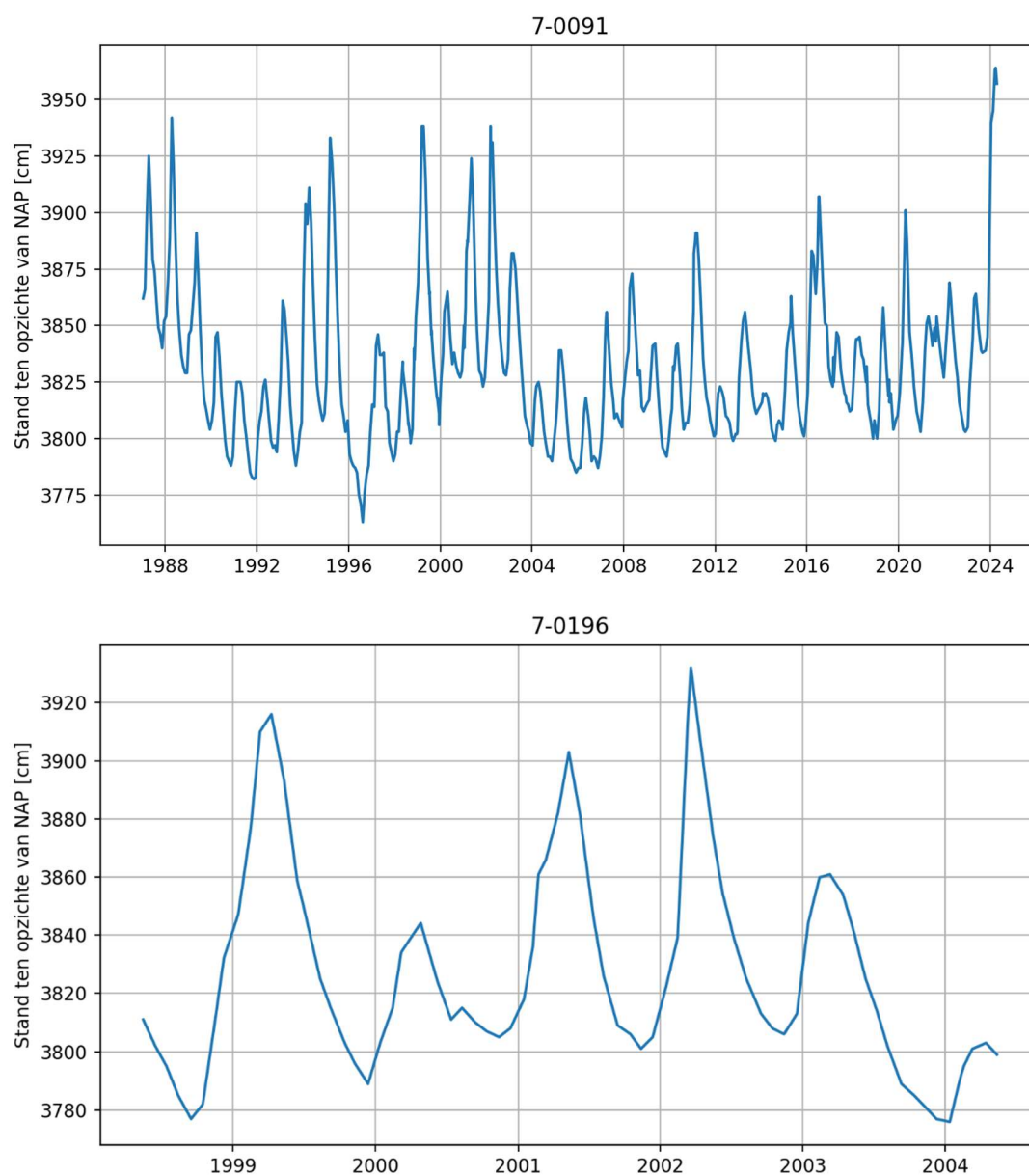
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|------------------|--------|--------|--------|---------|---------|------------|------------|--------|----------------|--------------|
| B62E1026001      | 201648 | 320487 | 113.50 | 111.57  | 110.57  | 14/08/2007 | 28/12/2015 | 179    | 14             | DINOloket    |
| B62E1026002      | 201648 | 320487 | 113.50 | 104.07  | 101.07  | 14/08/2007 | 28/12/2015 | 178    | 14             | DINOloket    |
| B62E1027001      | 201435 | 320982 | 116.91 | 115.41  | 114.41  | 14/08/2007 | 14/11/2015 | 133    | 17             | DINOloket    |
| B62E1027002      | 201435 | 320982 | 116.91 | 113.41  | 111.41  | 14/08/2007 | 14/11/2015 | 76     | 17             | DINOloket    |
| B62E1027003      | 201435 | 320982 | 116.91 | 101.41  | 99.41   | 14/08/2007 | 28/10/2015 | 108    | 30             | DINOloket    |
| B62E1145001      | 200567 | 320217 | 147.69 | 89.79   | 67.69   | 01/11/2018 | 04/03/2024 | 1942   | 1              | provLimburg  |
| B62E1149001      | 203578 | 324486 | 99.85  | 75.06   | 73.06   | 05/05/2016 | 11/01/2018 | 617    | 1              | provLimburg  |
| B62E1149002      | 203578 | 324486 | 99.85  | 48.70   | 44.70   | 21/11/2016 | 03/06/2024 | 2318   | 1              | provLimburg  |
| B62E1149003      | 203578 | 324486 | 99.85  | 29.84   | 25.84   | 21/11/2016 | 03/06/2024 | 2318   | 1              | provLimburg  |
| B62E1150001      | 203827 | 324764 | 90.79  | 80.32   | 78.32   | 30/04/2016 | 31/12/2018 | 932    | 1              | DINOloket    |
| B62E1151001      | 203626 | 324722 | 104.22 | 78.93   | 77.93   | 30/04/2016 | 31/12/2018 | 932    | 1              | DINOloket    |
| B62E1175001      | 206662 | 316077 | 186.25 | 186.25  | 186.25  | 30/04/1970 | 21/03/2024 | 2265   | 129            | provLimburg  |
| CarlAlexander001 | 209883 | 324766 | -      | -       |         | 04/11/1997 | 07/12/2021 | 136    | 54             | provLimburg  |
| EmilMayrisch001  | 214180 | 324640 | -      | -       |         | 07/03/1994 | 16/02/2022 | 343    | 70             | provLimburg  |
| GMW60A002730001  | 184023 | 339529 | 30.92  | 12.40   | 11.40   | 24/06/2015 | 09/09/2015 | 78     | 1              | DINOloket    |
| GMW60A002731001  | 184808 | 339515 | 33.08  | 16.80   | 15.80   | 24/06/2015 | 09/09/2015 | 78     | 1              | DINOloket    |
| GMW60A002732001  | 184112 | 339823 | 30.63  | 18.63   | 16.63   | 21/04/2015 | 09/09/2015 | 142    | 1              | DINOloket    |
| GMW60A002744001  | 183330 | 337509 | 39.57  | 32.00   | 26.00   | 05/08/2016 | 30/01/2017 | 178    | 1              | DINOloket    |
| GMW60C002303001  | 186250 | 337400 | 35.16  | 32.43   | 31.43   | 16/07/2017 | 28/02/2024 | 159    | 14             | DINOloket    |
| GMW60C003800001  | 183346 | 337073 | 41.44  | 30.40   | 28.40   | 08/08/2013 | 20/12/2016 | 856    | 1              | DINOloket    |
| GMW60C003823001  | 183197 | 337150 | 42.93  | 31.90   | 29.40   | 09/07/2013 | 30/01/2017 | 1034   | 1              | DINOloket    |
| GMW60C003841001  | 183289 | 337380 | 43.52  | 29.00   | 28.00   | 12/09/2016 | 30/01/2017 | 136    | 1              | DINOloket    |
| GMW60C003842001  | 183244 | 337264 | 43.45  | 35.65   | 34.65   | 12/09/2016 | 30/01/2017 | 140    | 1              | DINOloket    |
| GMW60C003843001  | 182906 | 337464 | 1.00   | 31.00   | 30.00   | 12/09/2016 | 17/01/2017 | 126    | 1              | DINOloket    |
| GMW60C139762001  | 186792 | 337150 | 35.40  | 30.51   | 29.51   | 16/07/2017 | 28/02/2024 | 159    | 14             | DINOloket    |
| GMW60D003214001  | 196627 | 330464 | 61.44  | 60.34   | 59.34   | 02/10/2017 | 03/05/2024 | 1890   | 1              | DINOloket    |
| GMW60D003218001  | 196570 | 330353 | 62.25  | 60.25   | 59.25   | 02/10/2017 | 03/03/2022 | 950    | 1              | DINOloket    |
| GMW60D003219001  | 196747 | 330359 | 66.84  | 66.24   | 65.24   | 02/10/2017 | 03/05/2024 | 301    | 1              | DINOloket    |
| GMW60D003220001  | 196653 | 330287 | 62.51  | 60.61   | 59.61   | 02/10/2017 | 03/05/2024 | 323    | 1              | DINOloket    |
| GMW60D003221001  | 196766 | 330289 | 65.48  | 64.88   | 63.88   | 02/10/2017 | 27/04/2024 | 1499   | 1              | DINOloket    |
| GMW60D003222001  | 196726 | 330241 | 62.99  | 60.79   | 59.79   | 02/10/2017 | 03/05/2024 | 307    | 1              | DINOloket    |
| GMW60D003223001  | 196709 | 330210 | 62.45  | 61.30   | 60.30   | 02/10/2017 | 03/05/2024 | 309    | 1              | DINOloket    |
| GRMP001          | 179469 | 332715 | 37.32  | 7.82    | 6.82    | 24/05/1993 | 22/01/2007 | 164    | 47             | DOV          |
| GRMP002          | 181089 | 334311 | 34.27  | 4.67    | 3.67    | 24/05/1993 | 17/01/2012 | 193    | 27             | DOV          |
| GRMP003          | 181511 | 334379 | 34.30  | 6.84    | 5.84    | 24/05/1993 | 15/07/2003 | 120    | 29             | DOV          |
| GRMP004          | 181286 | 334227 | 33.88  | 4.17    | 3.17    | 18/10/1993 | 22/01/2007 | 71     | 47             | DOV          |
| GRMP005          | 181162 | 333960 | 33.06  | 4.67    | 3.67    | 24/05/1993 | 22/01/2007 | 161    | 47             | DOV          |
| GRMP006          | 178292 | 326947 | 40.81  | 6.07    | 5.07    | 20/07/2006 | 06/10/2009 | 1174   | 1              | DOV          |
| GRMP007          | 177087 | 326743 | 40.95  | 5.19    | 4.19    | 16/12/2006 | 06/10/2009 | 1026   | 1              | DOV          |
| GRMP011          | 178298 | 329970 | 39.73  | 5.87    | 4.87    | 17/11/2006 | 06/10/2009 | 1054   | 1              | DOV          |
| GRMP012          | 177522 | 330393 | 40.67  | 9.42    | 8.42    | 25/07/2006 | 06/10/2009 | 1169   | 1              | DOV          |
| HLH-GT-001       | 193805 | 325649 | 79.01  | -612.37 | -613.37 | 31/05/2007 | 01/05/2024 | 1467   | 1              | Mijnwater BV |
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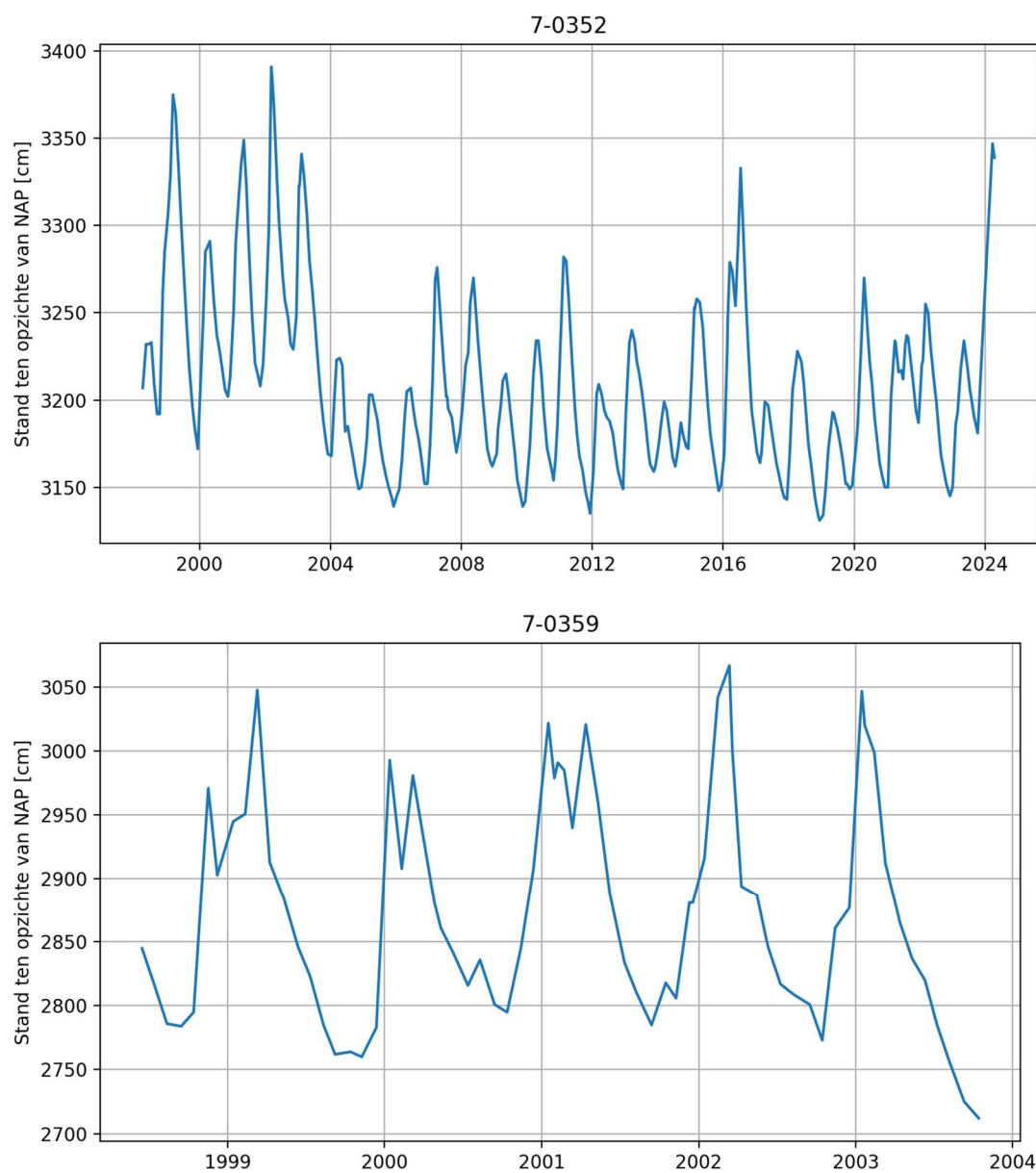
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|-------------|--------|--------|--------|---------|---------|------------|------------|--------|----------------|--------------|
| HLN2        | 196239 | 321511 | 110.26 | -135.74 | -136.74 | 13/01/2014 | 23/05/2024 | 2104   | 1              | Mijnwater BV |
| HLN3        | 194464 | 323984 | 90.50  | -320.85 | -321.85 | 13/01/2014 | 07/06/2024 | 3304   | 1              | Mijnwater BV |
| KIKP003     | 173753 | 329329 | 52.18  | 4.07    | 3.07    | 15/01/2022 | 08/08/2022 | 206    | 1              | DOV          |
| MECP012     | 174621 | 331433 | 46.21  | -0.23   | -1.23   | 04/02/1999 | 22/10/2018 | 3597   | 1              | DOV          |
| MECP013     | 174622 | 331434 | 46.43  | 1.76    | 0.76    | 04/02/1999 | 03/04/2006 | 97     | 19             | DOV          |
| MECP014     | 174505 | 331414 | 47.01  | -0.83   | -1.83   | 04/02/1999 | 28/04/1999 | 5      | 16             | DOV          |
| MECP015     | 174499 | 331411 | 47.25  | -0.93   | -1.93   | 04/02/1999 | 15/05/1999 | 7      | 17             | DOV          |
| MECP016     | 174544 | 331371 | 46.16  | -0.12   | -1.12   | 04/02/1999 | 21/10/2018 | 4184   | 1              | DOV          |
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| MECP018     | 174412 | 331275 | 47.75  | -0.43   | -1.43   | 04/02/1999 | 02/10/2000 | 27     | 31             | DOV          |
| MECP019     | 174620 | 331300 | 46.18  | -0.13   | -1.13   | 04/02/1999 | 15/05/1999 | 7      | 17             | DOV          |
| MECP020     | 174651 | 331361 | 46.41  | 0.37    | -0.63   | 04/02/1999 | 02/10/2000 | 29     | 31             | DOV          |
| MECP021     | 174563 | 331244 | 46.56  | 0.27    | -0.73   | 11/01/1999 | 16/10/2003 | 61     | 15             | DOV          |
| MECP061     | 174430 | 331406 | 46.35  | 1.60    | 0.60    | 19/06/2004 | 21/10/2018 | 2911   | 1              | DOV          |
| MECP062     | 174662 | 331422 | 46.82  | 3.78    | 2.78    | 19/06/2004 | 23/06/2009 | 1522   | 1              | DOV          |
| MECP063     | 175623 | 330562 | 40.99  | 7.92    | 6.92    | 15/03/2007 | 22/10/2018 | 3722   | 1              | DOV          |
| MECP064     | 174662 | 331422 | 46.82  | 1.43    | 0.43    | 17/06/2004 | 21/10/2018 | 3272   | 1              | DOV          |
| MECP161     | 174430 | 331406 | 46.39  | 6.74    | 5.74    | 25/06/2004 | 21/10/2018 | 5228   | 1              | DOV          |
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| MECP163     | 175624 | 330562 | 40.95  | 12.67   | 11.67   | 06/05/2007 | 22/10/2018 | 3800   | 1              | DOV          |
| N^22^9r     | 174168 | 327950 | 48.99  | 5.29    | 4.29    | 14/09/2009 | 14/03/2023 | 28     | 162            | DOV          |
| N^22^9r_2   | 174168 | 327950 | 48.99  | 7.13    | 6.13    | 14/09/2009 | 14/03/2023 | 28     | 162            | DOV          |
| N^22^9r_3   | 174168 | 327950 | 48.99  | 9.97    | 8.97    | 14/09/2009 | 14/03/2023 | 28     | 162            | DOV          |
| WillemII001 | 203538 | 319026 | 167.45 | 109.45  | 41.45   | 01/02/1971 | 03/06/2024 | 2596   | 1              | provLimburg  |
| ZIEP026     | 174214 | 327488 | 45.08  | 4.15    | 3.15    | 21/01/2022 | 15/02/2024 | 756    | 1              | DOV          |
| ZIEP065     | 175358 | 326987 | 42.68  | -0.47   | -1.47   | 17/06/2004 | 11/01/2018 | 462    | 1              | DOV          |
| ZIEP165     | 175359 | 326987 | 42.68  | 2.79    | 1.79    | 17/06/2004 | 29/06/2009 | 1830   | 2              | DOV          |
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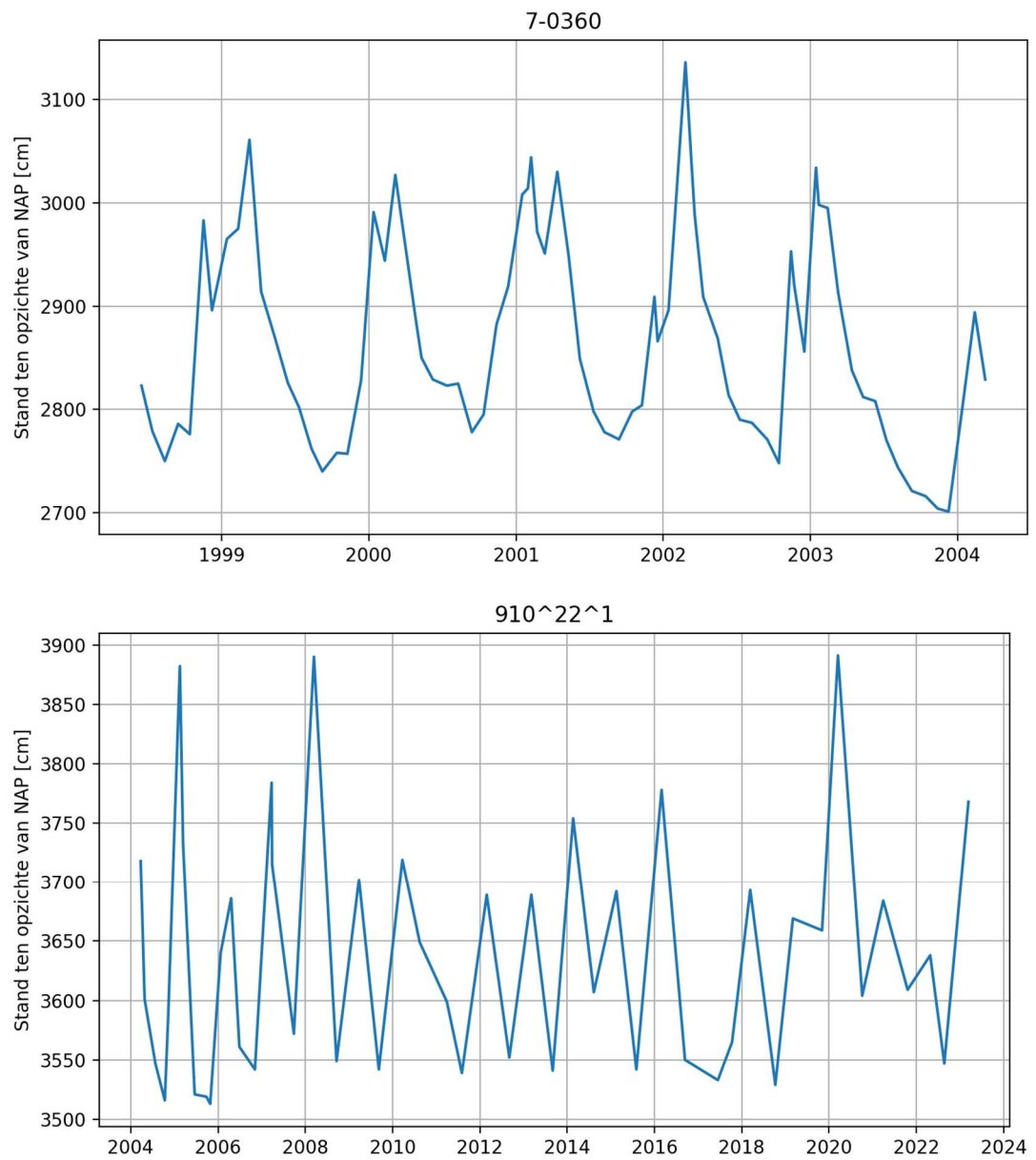


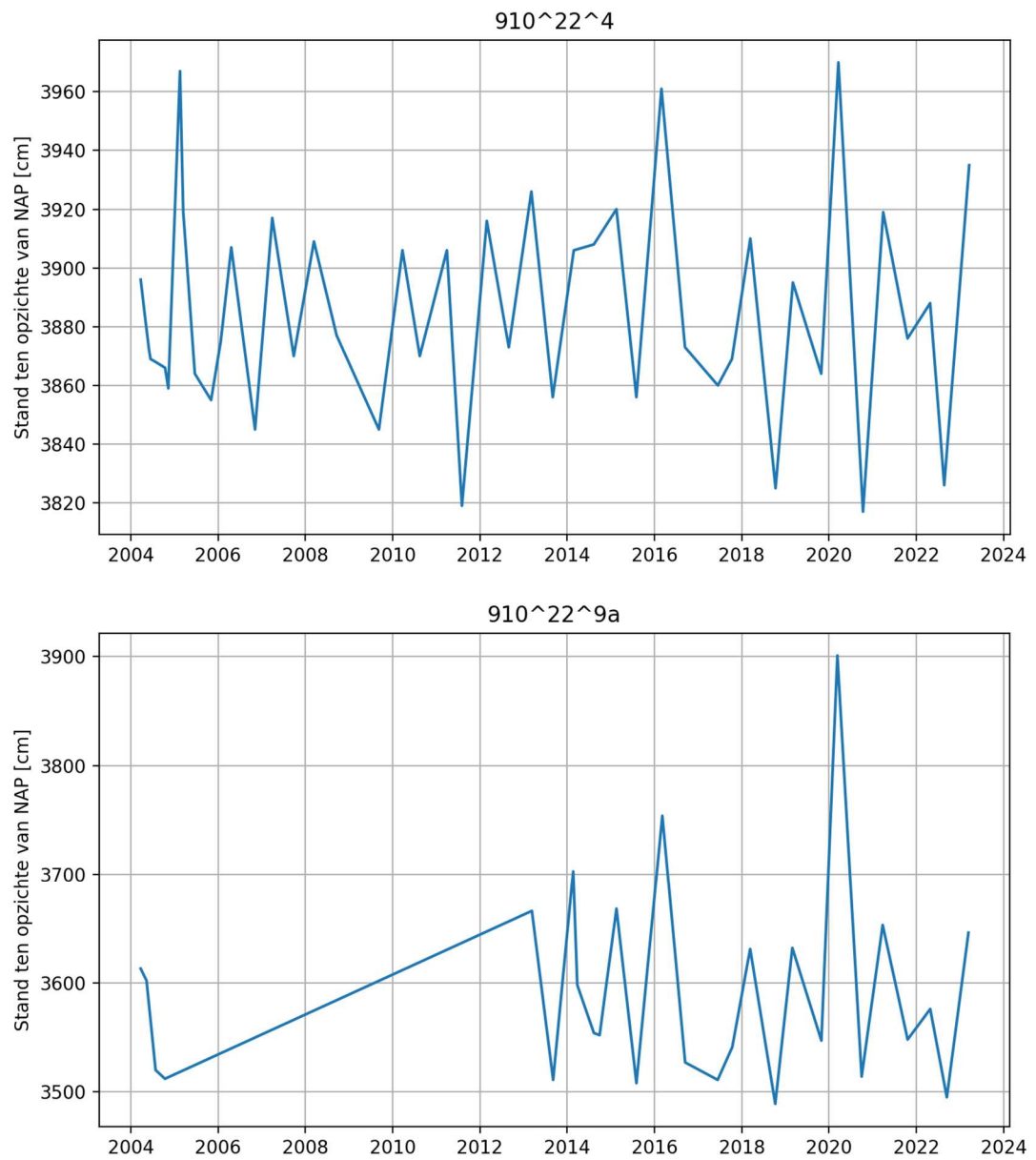
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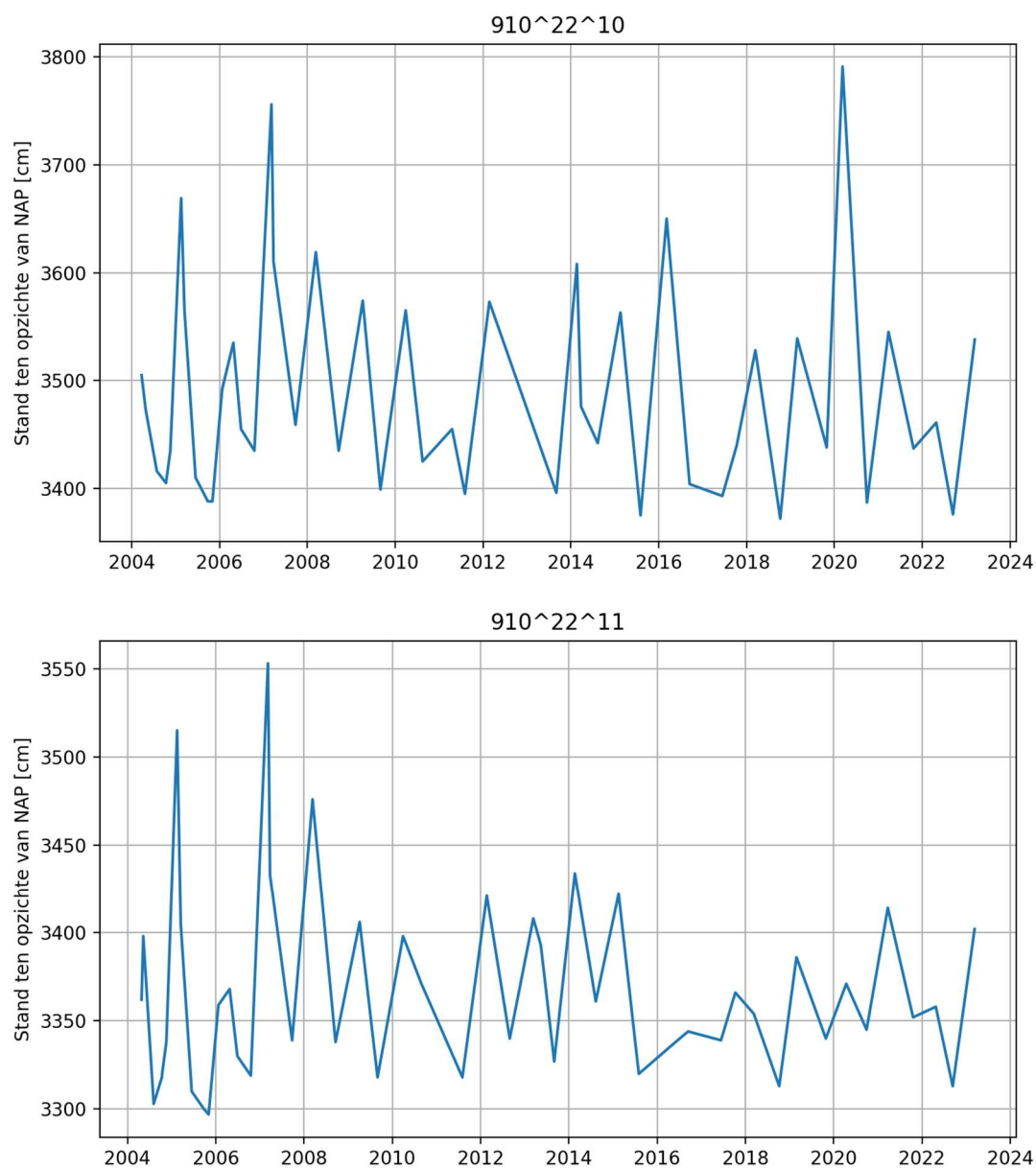
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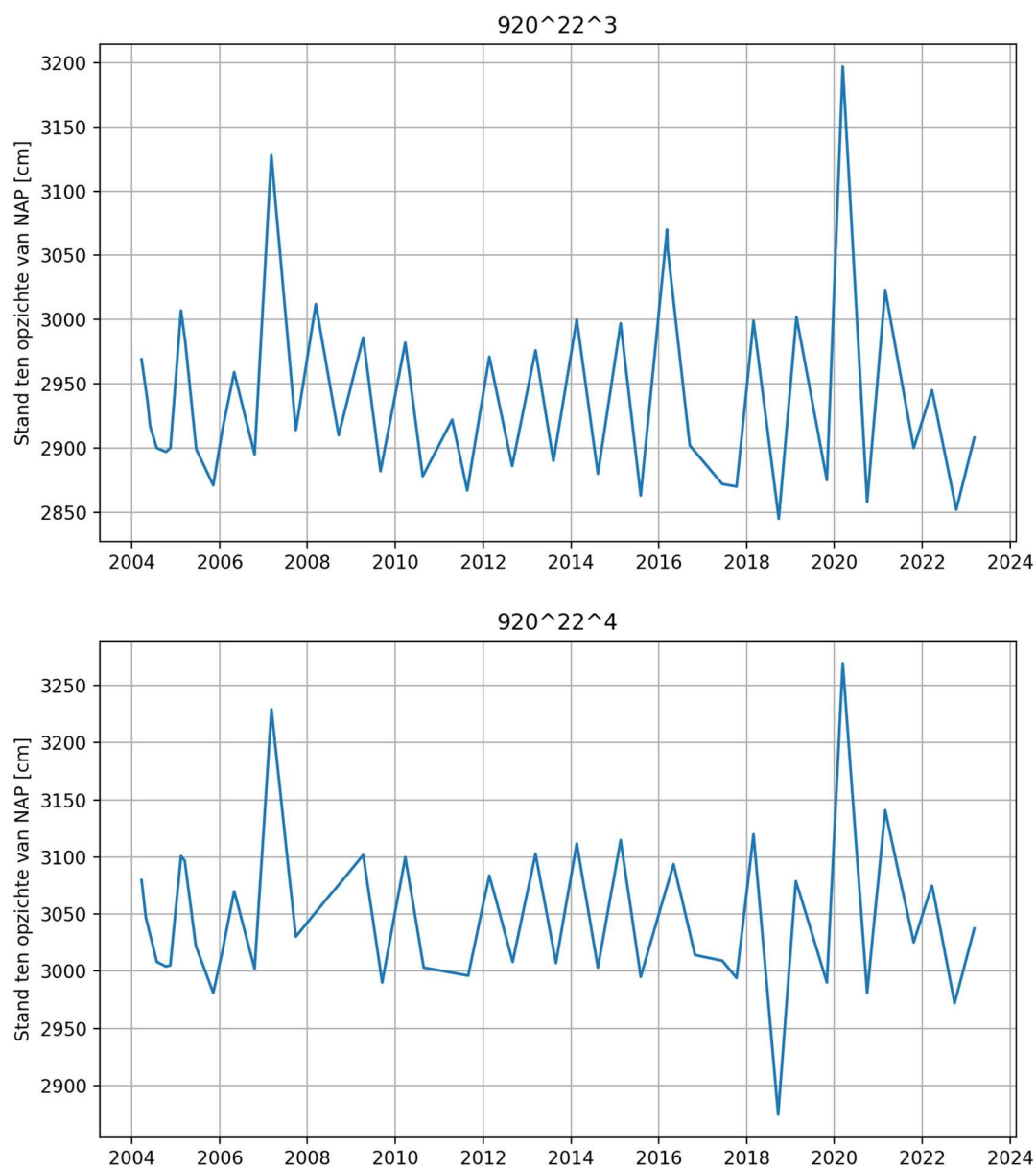


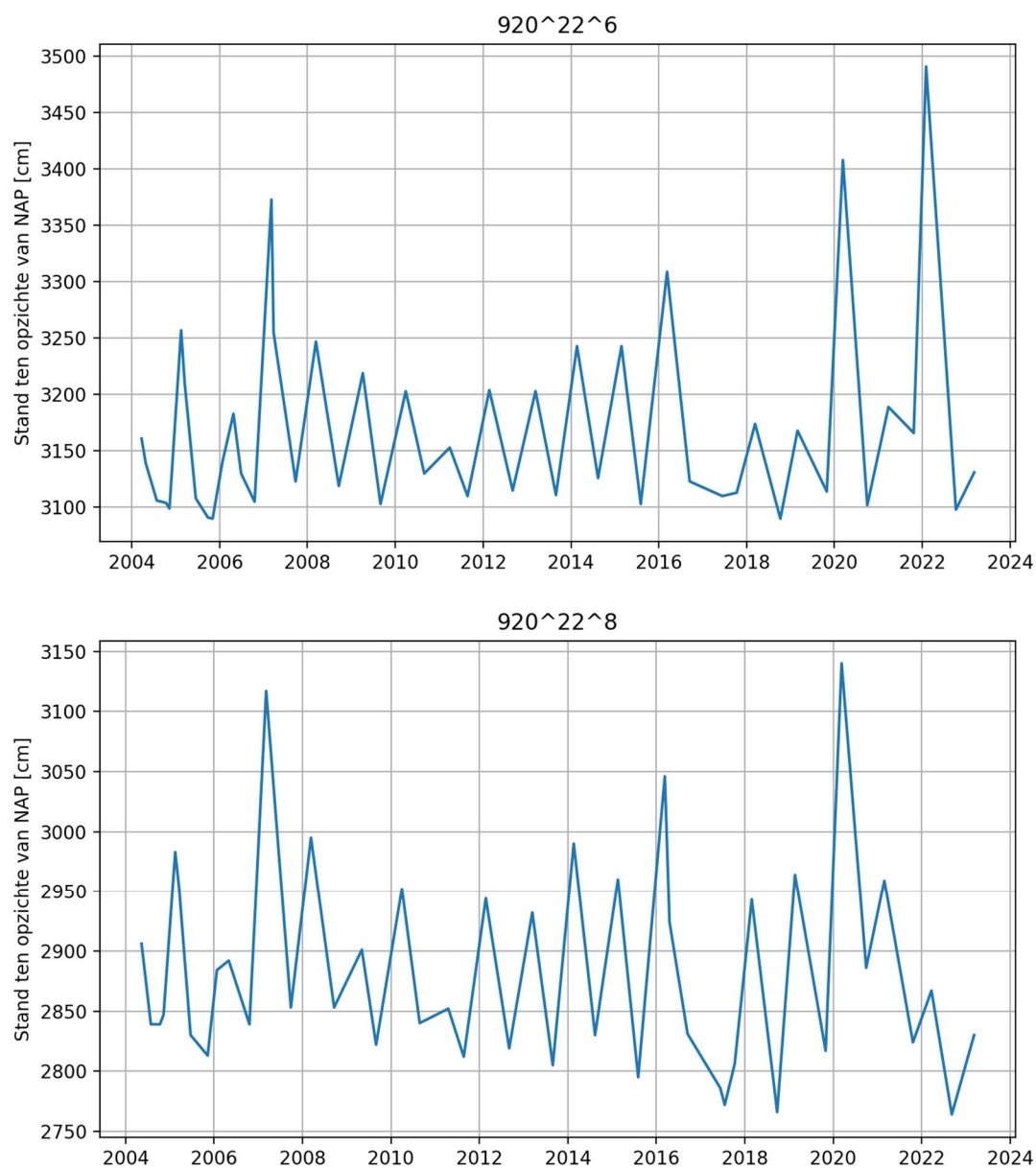




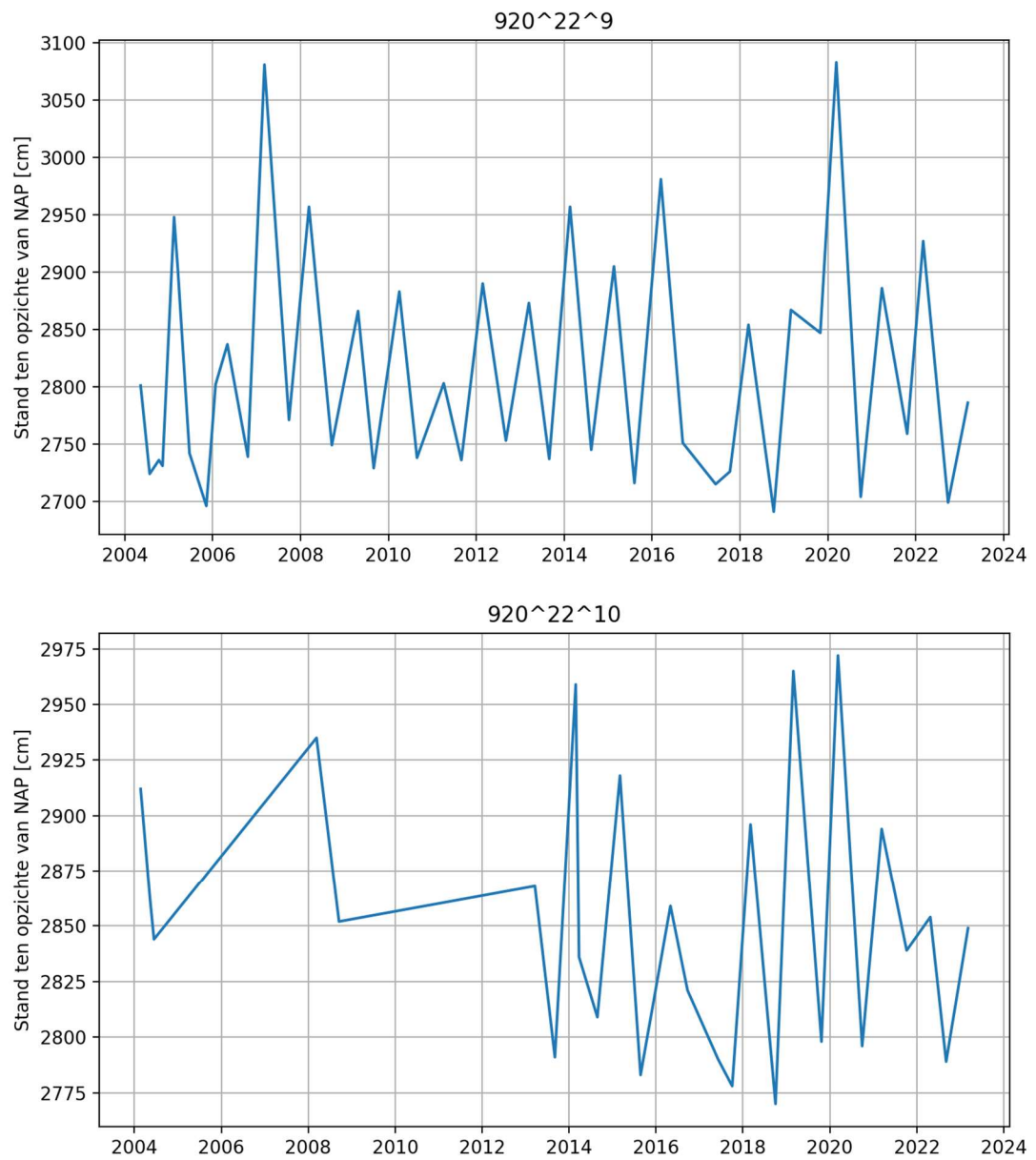


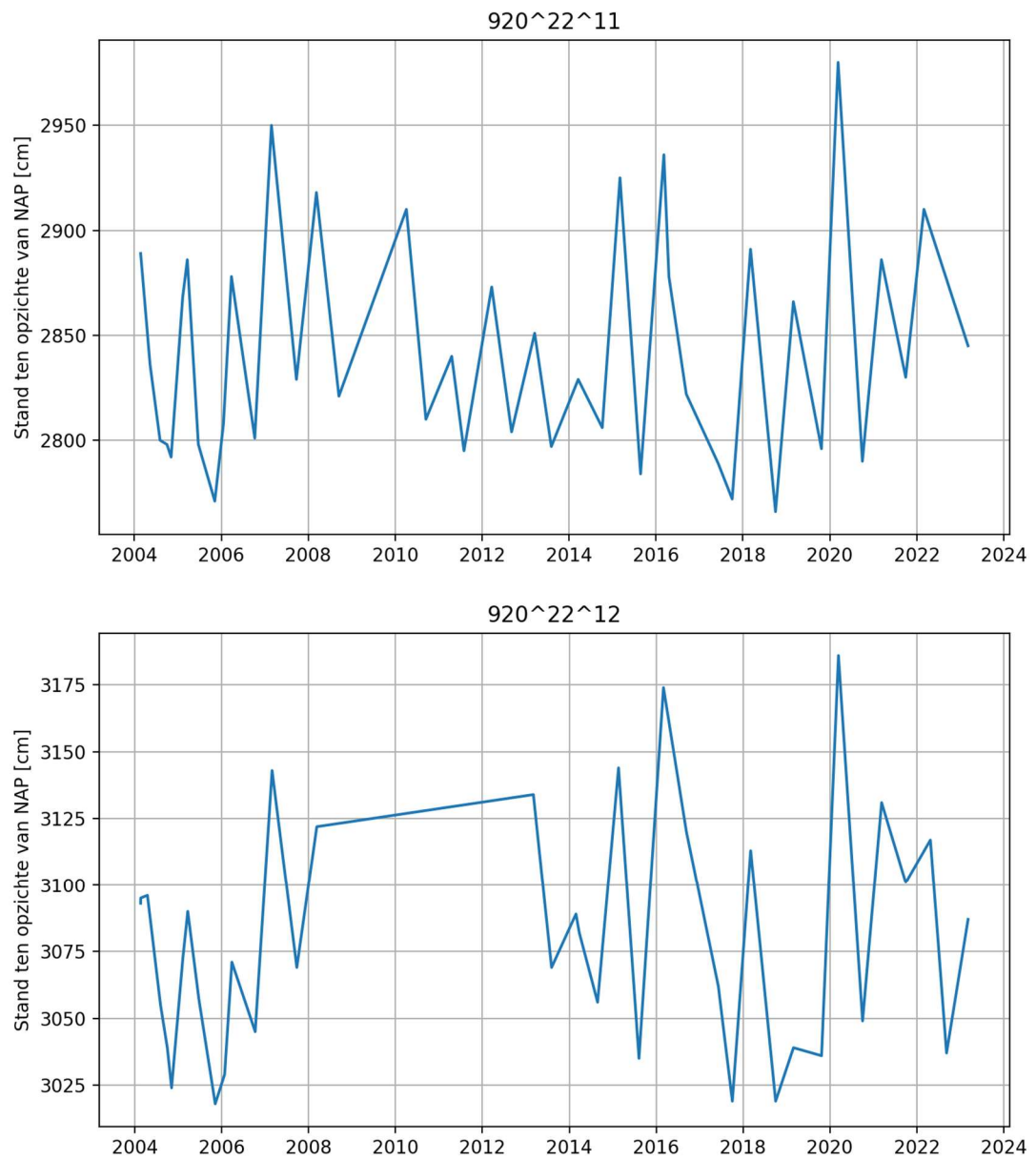


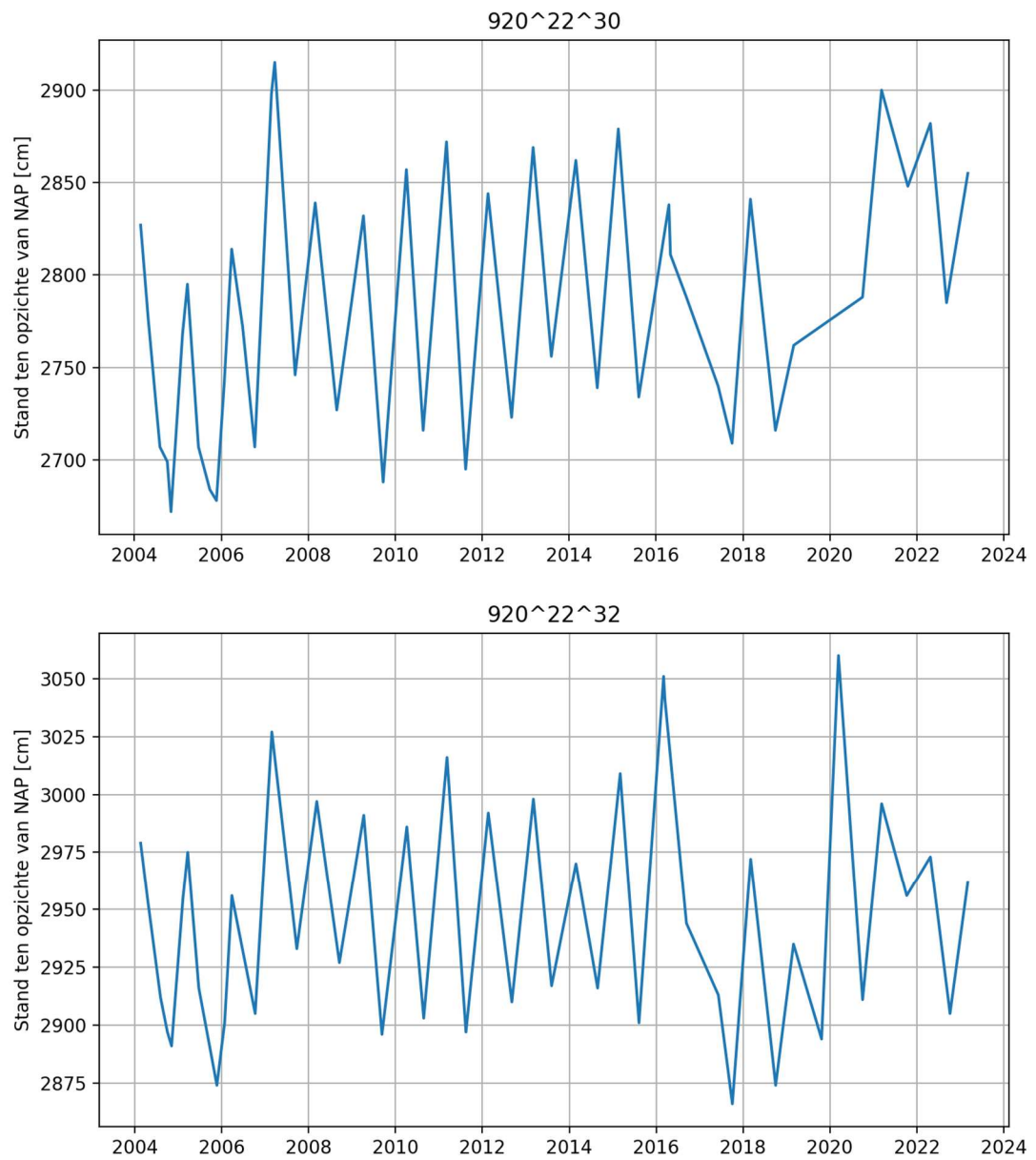


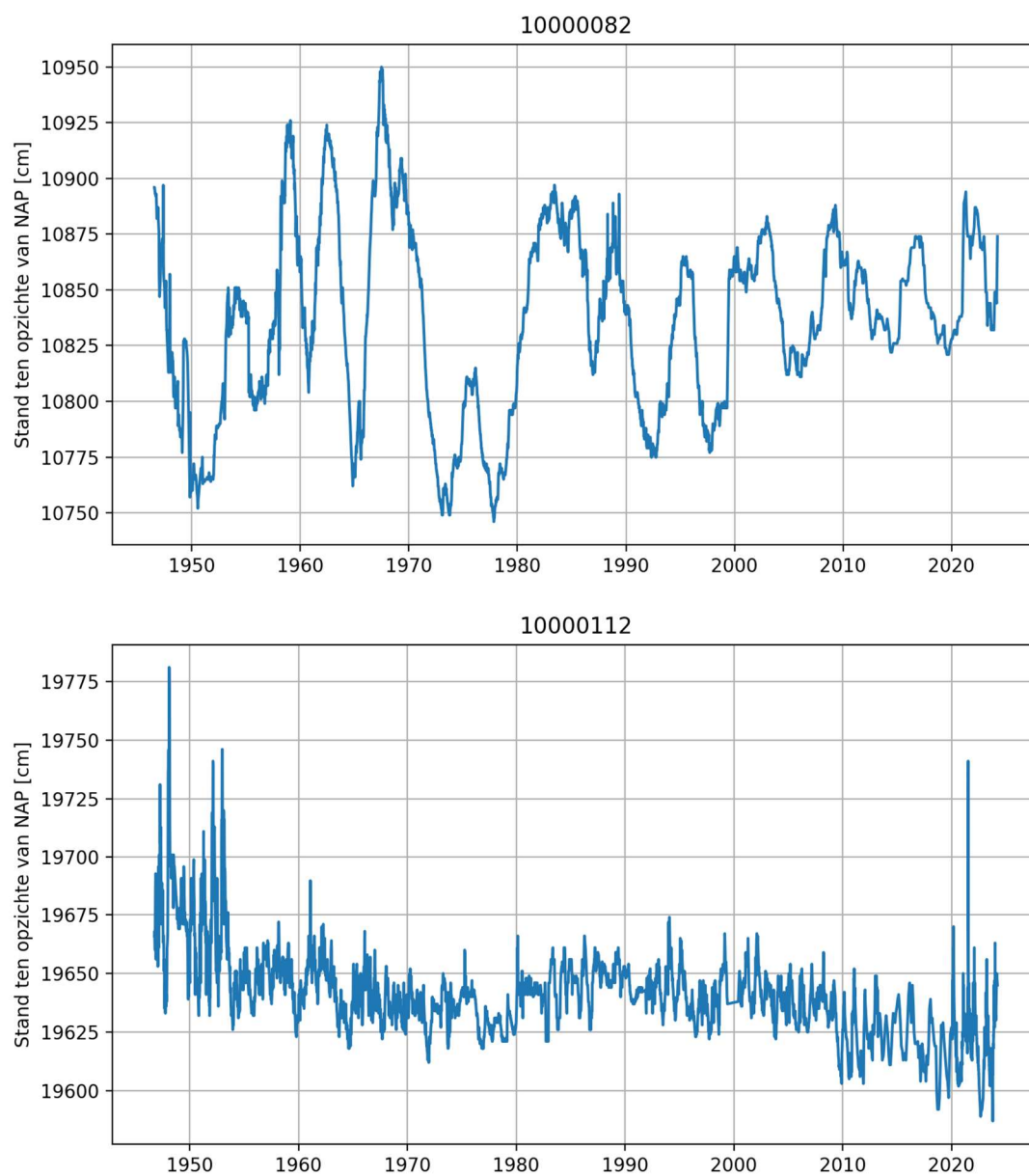


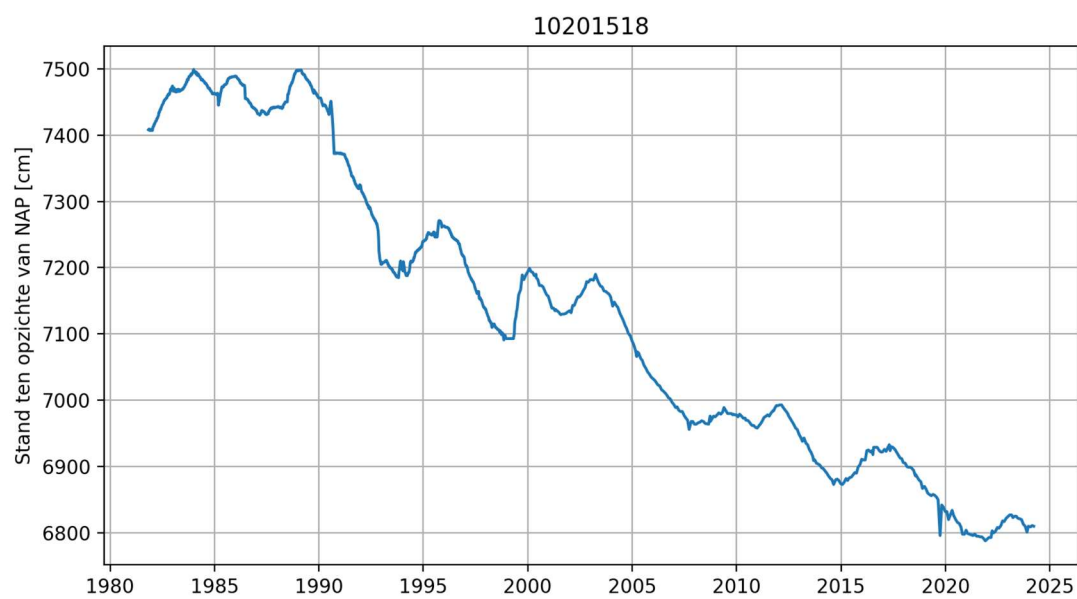


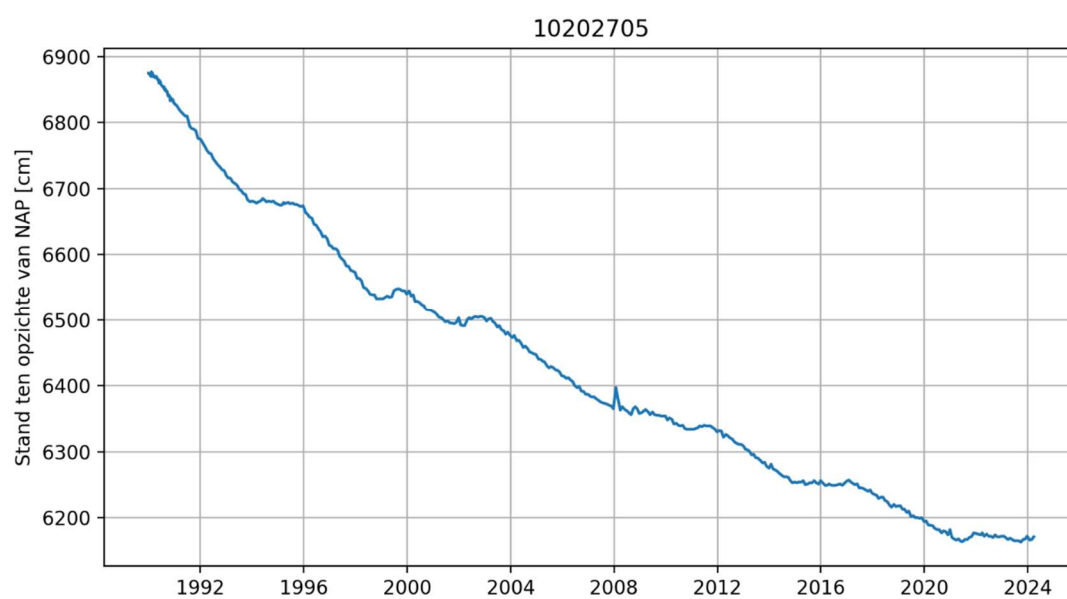
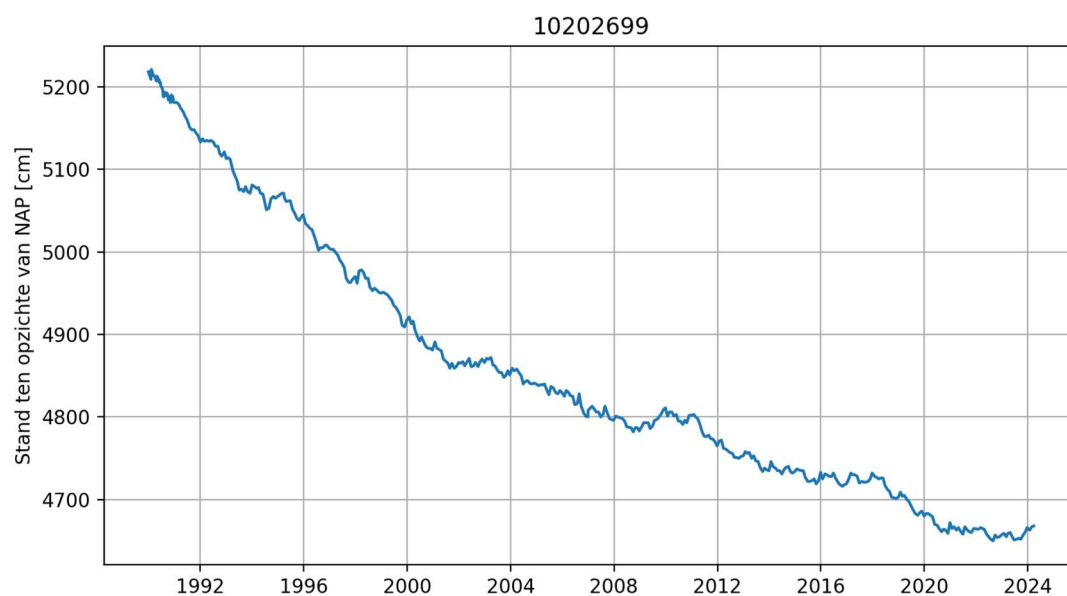


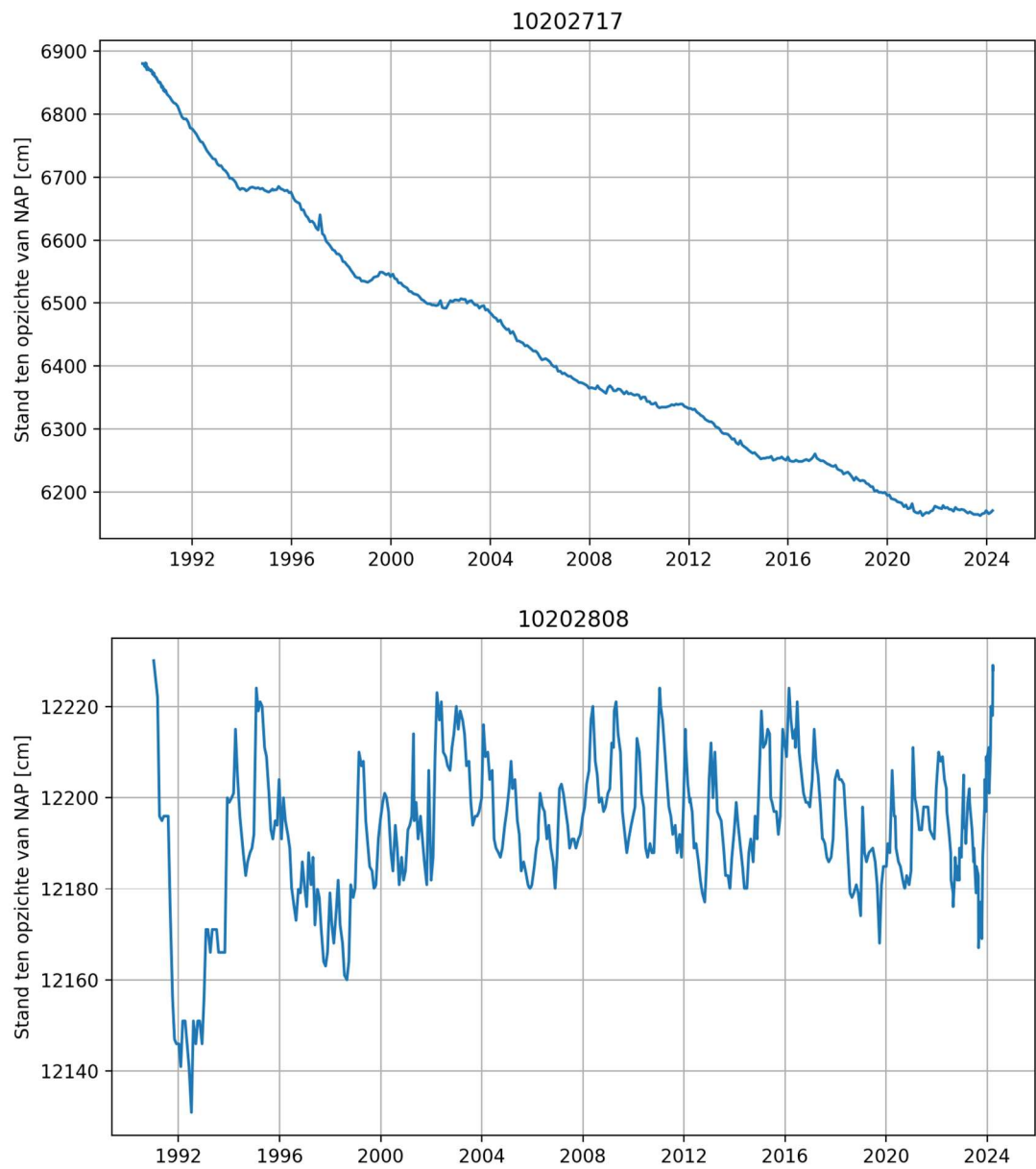




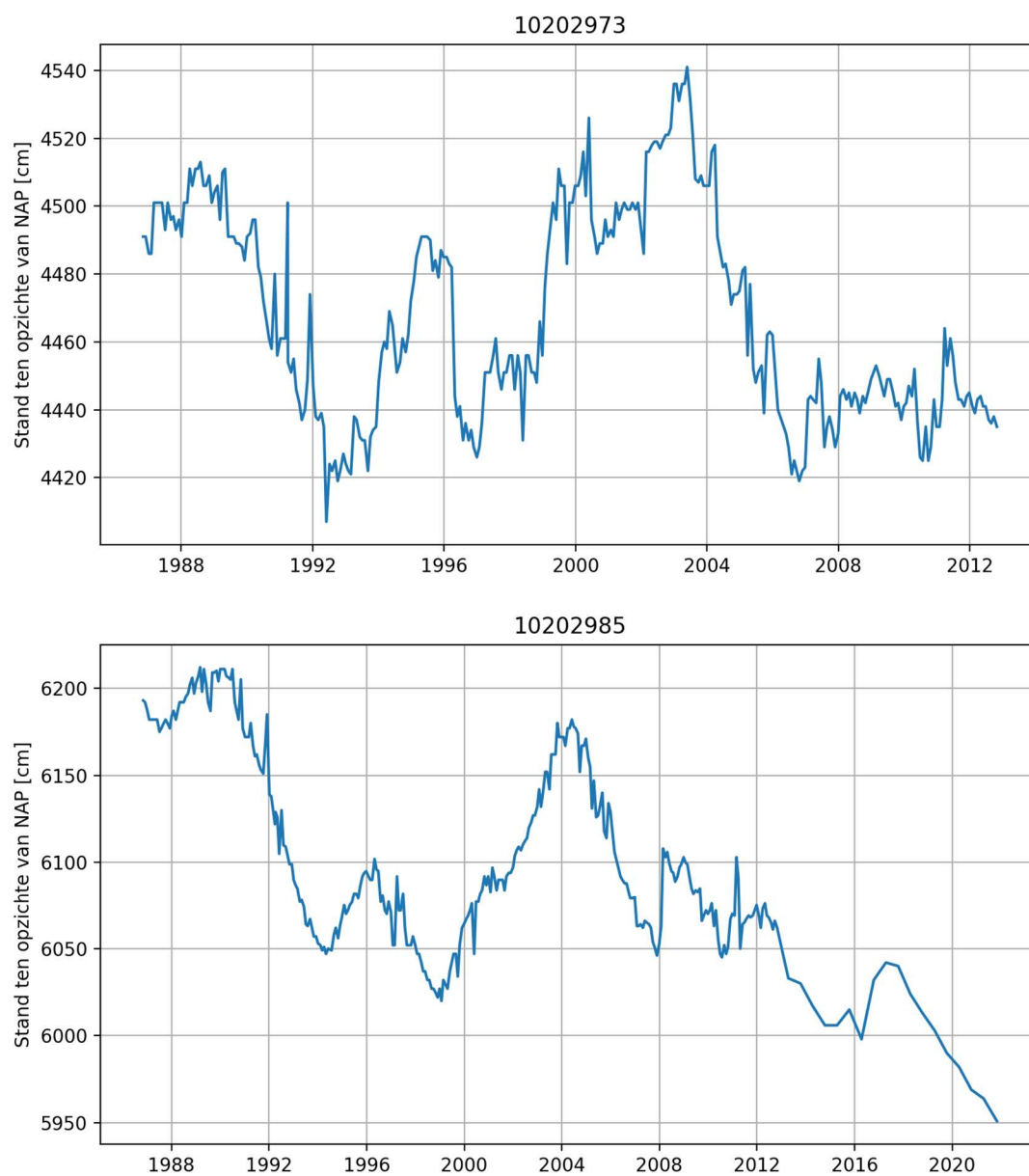


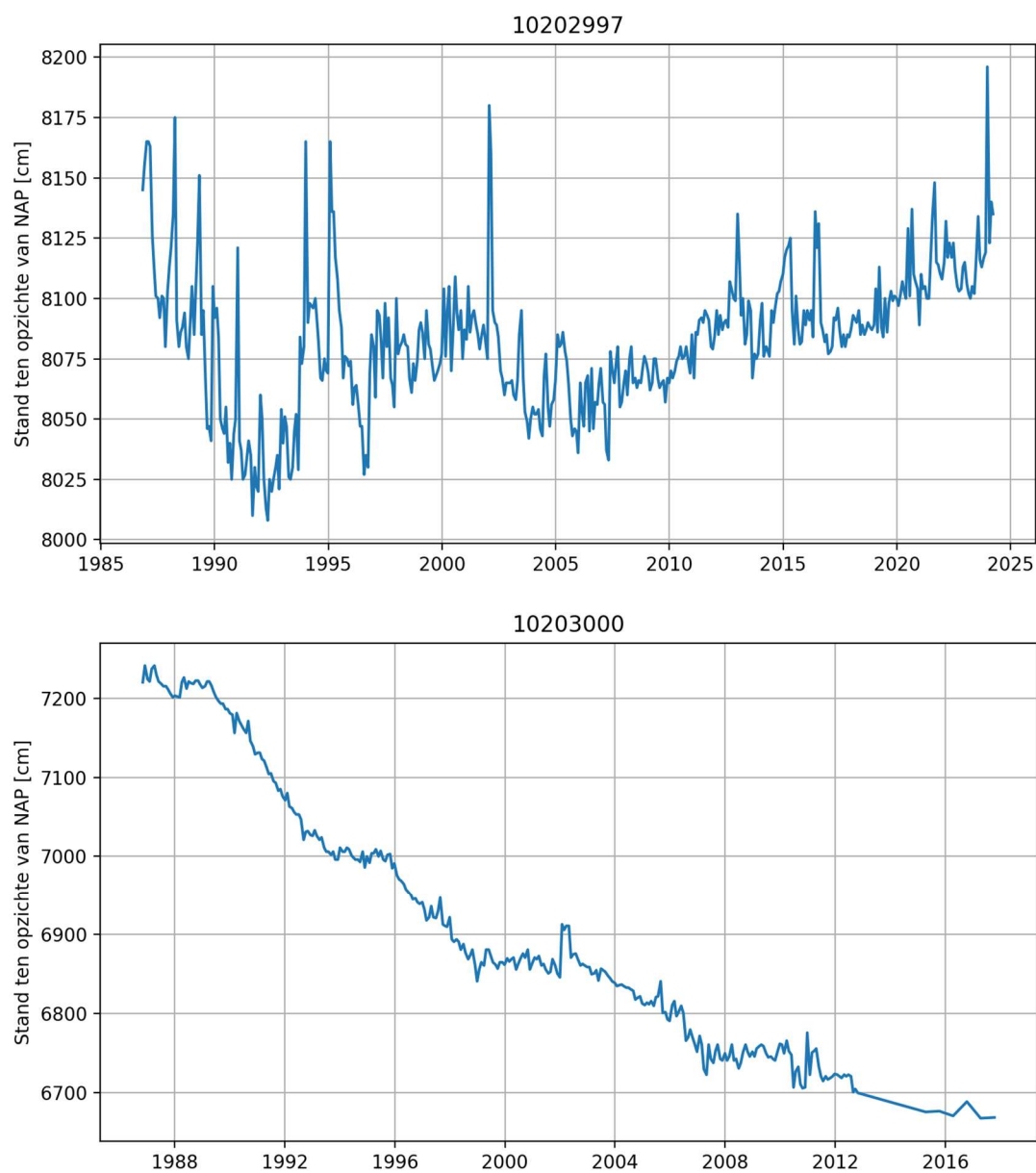


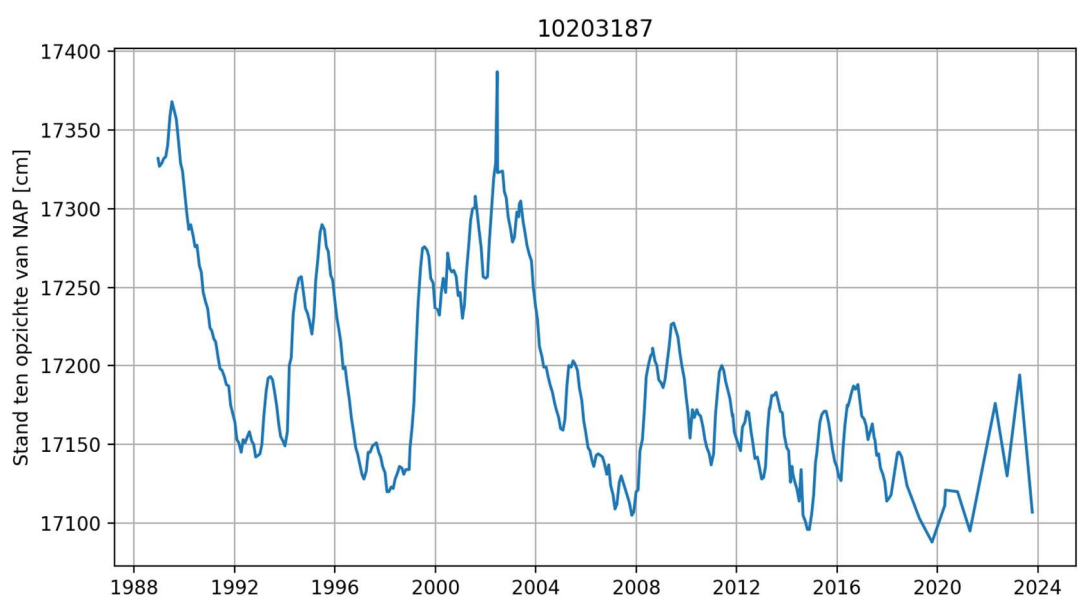


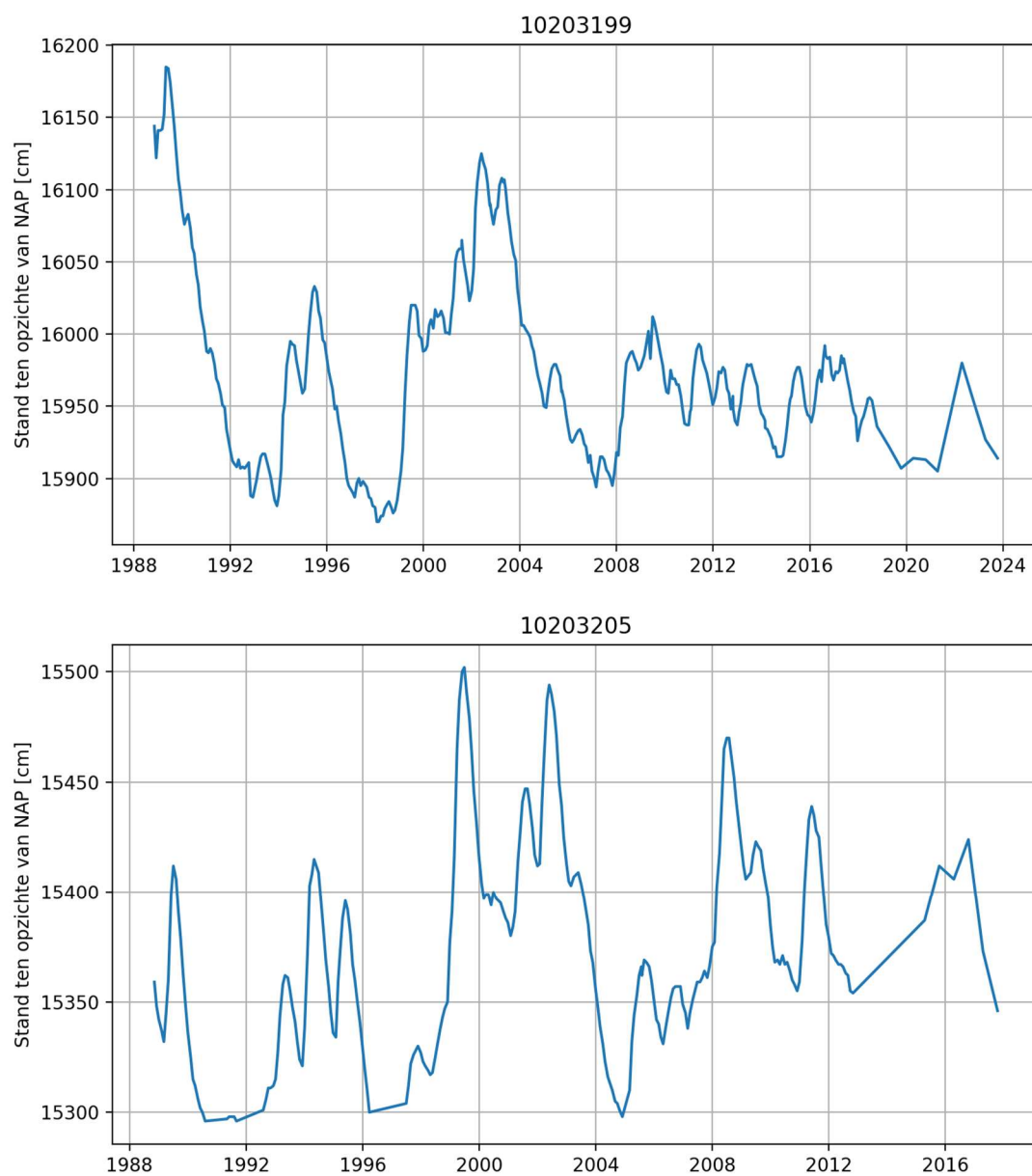


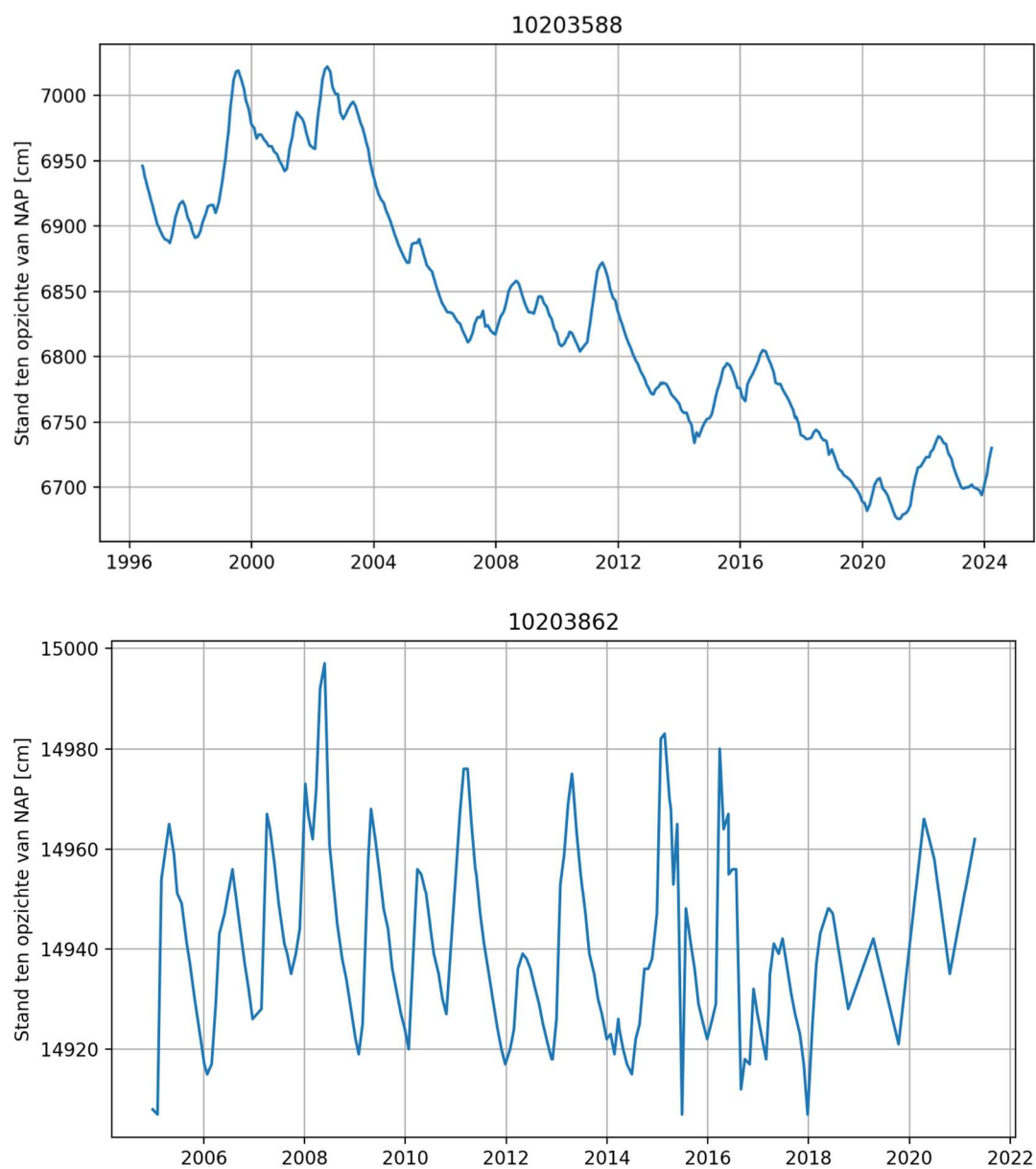


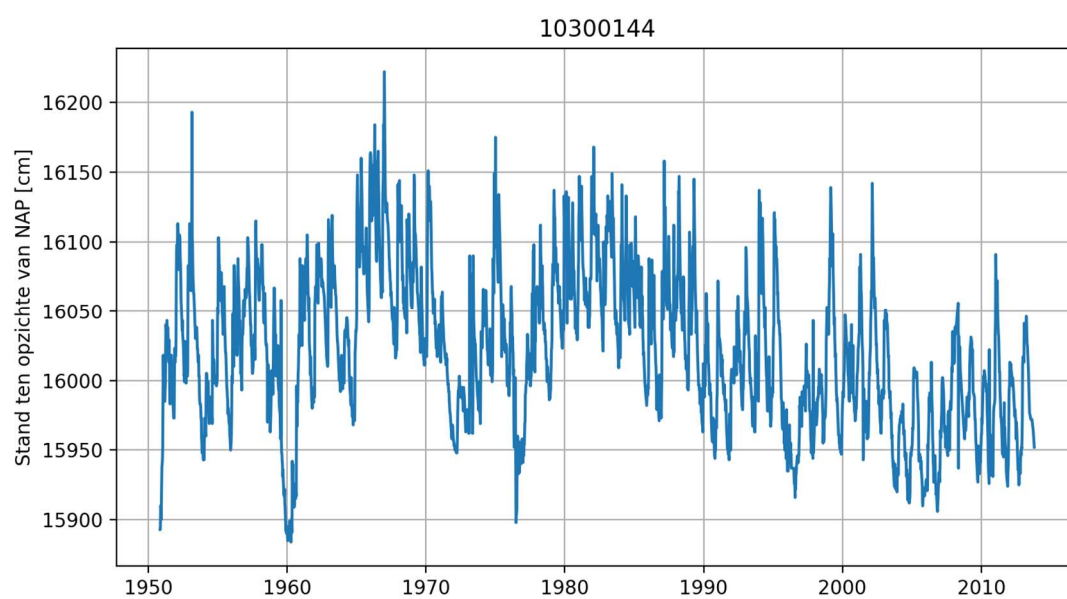
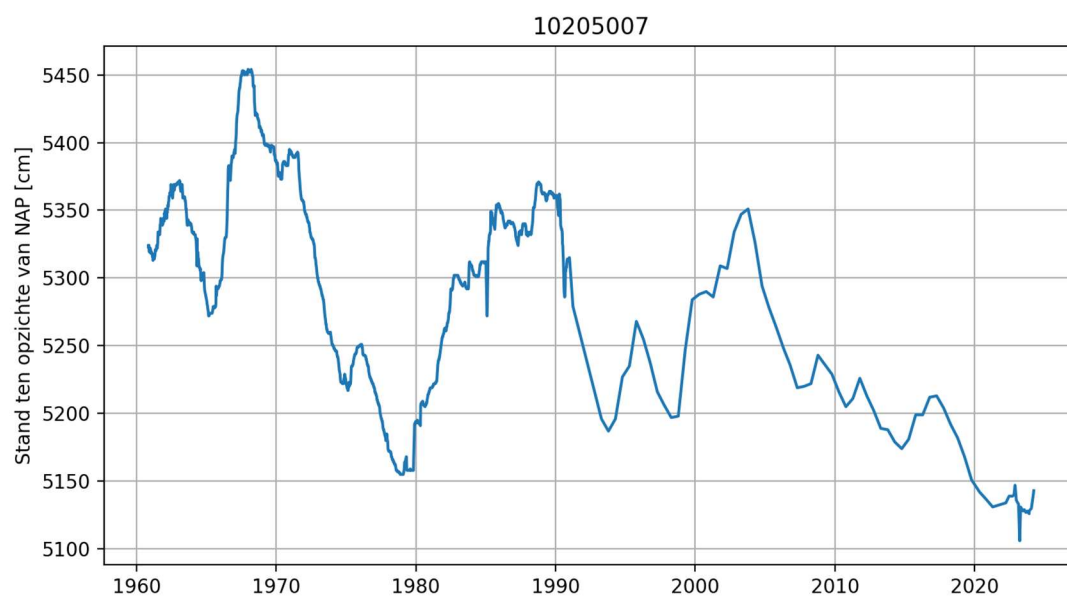


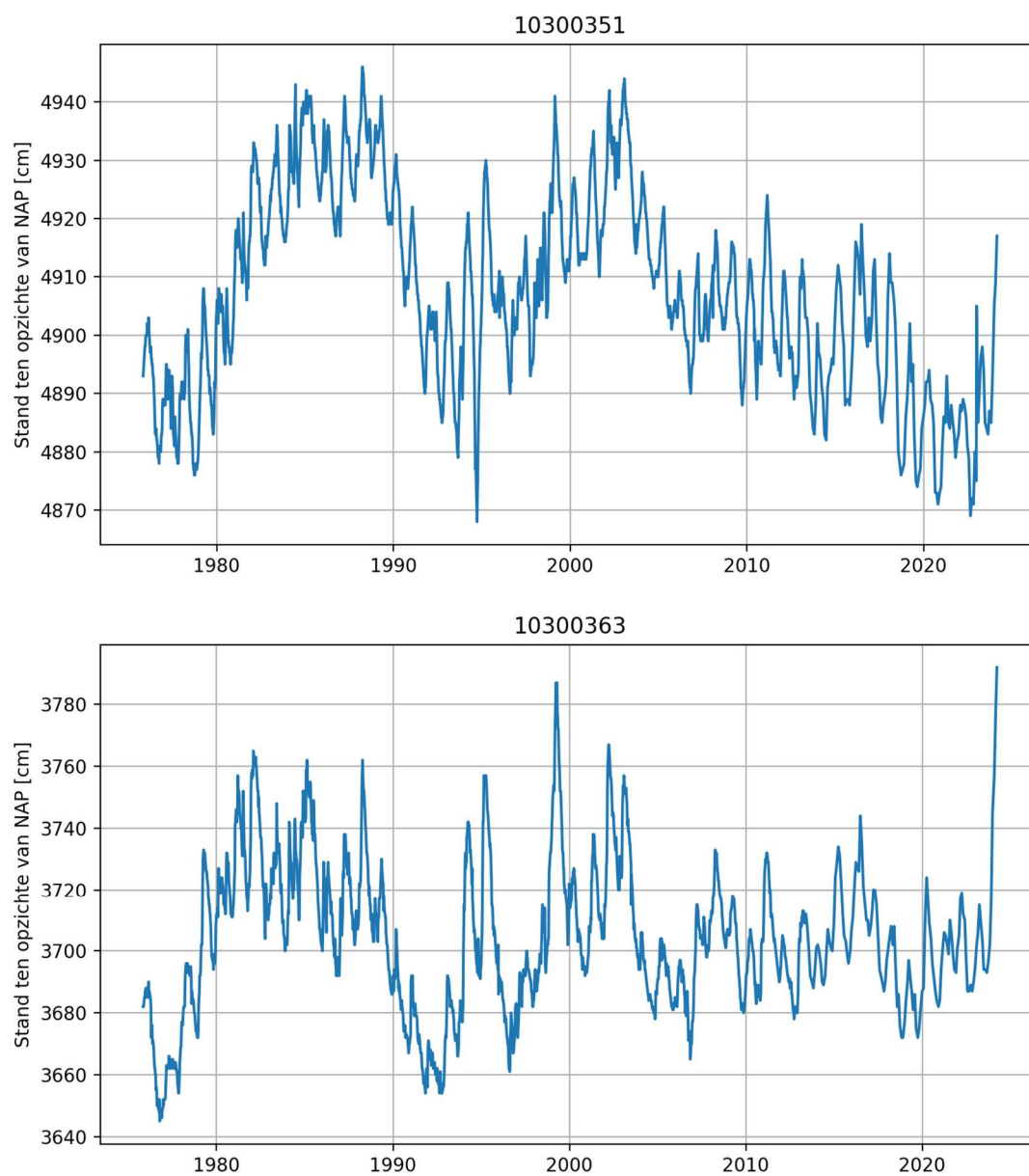




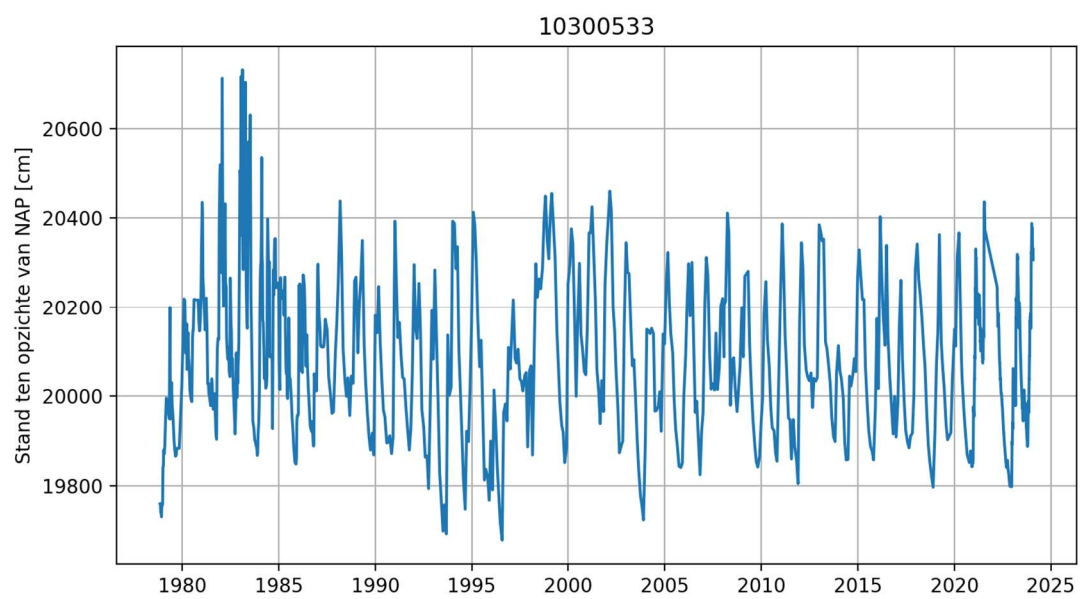
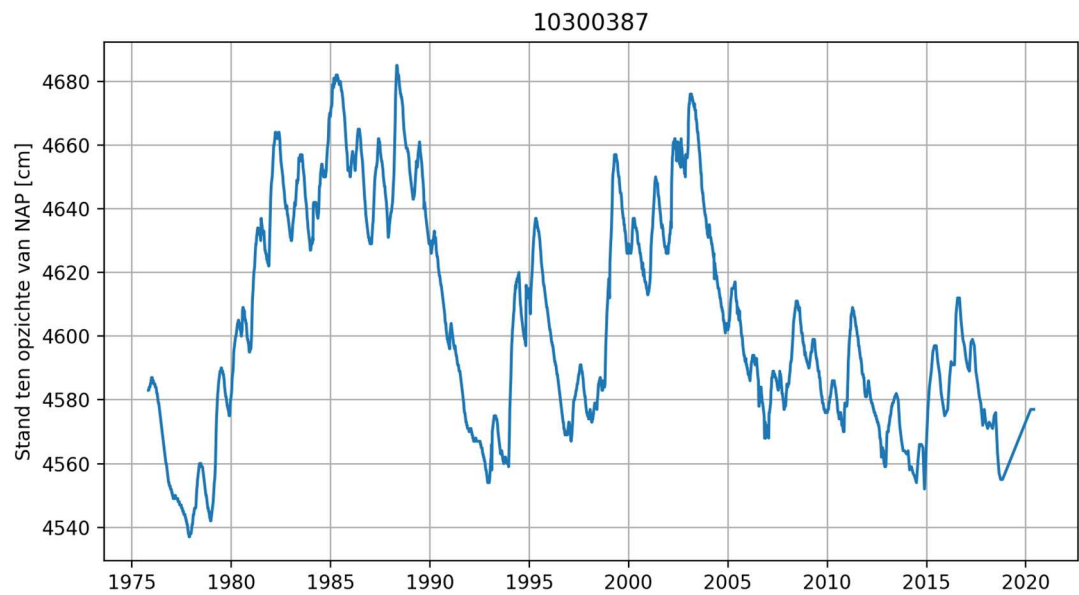


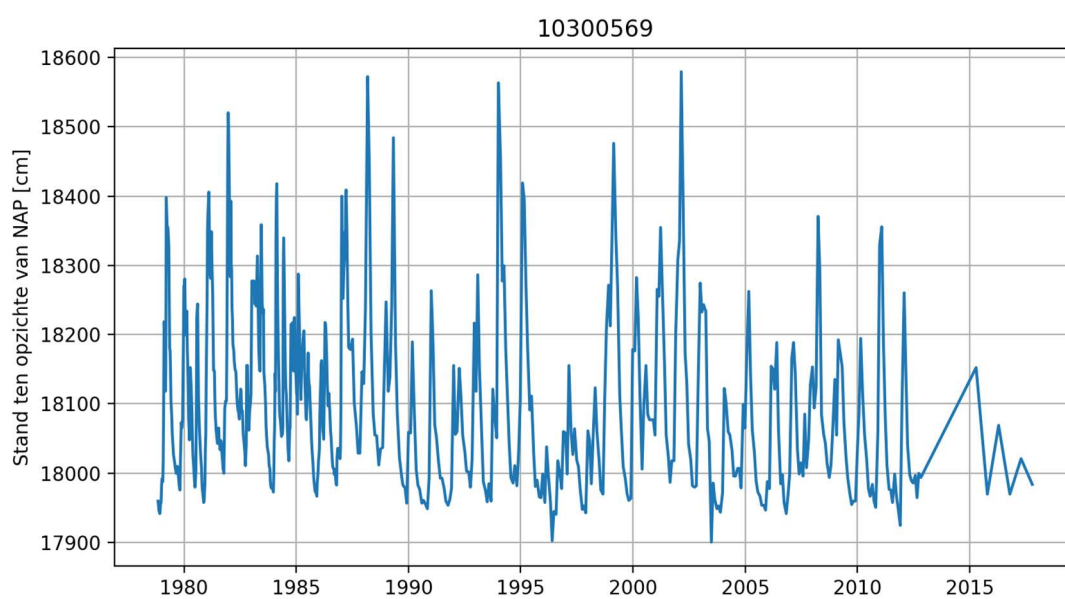
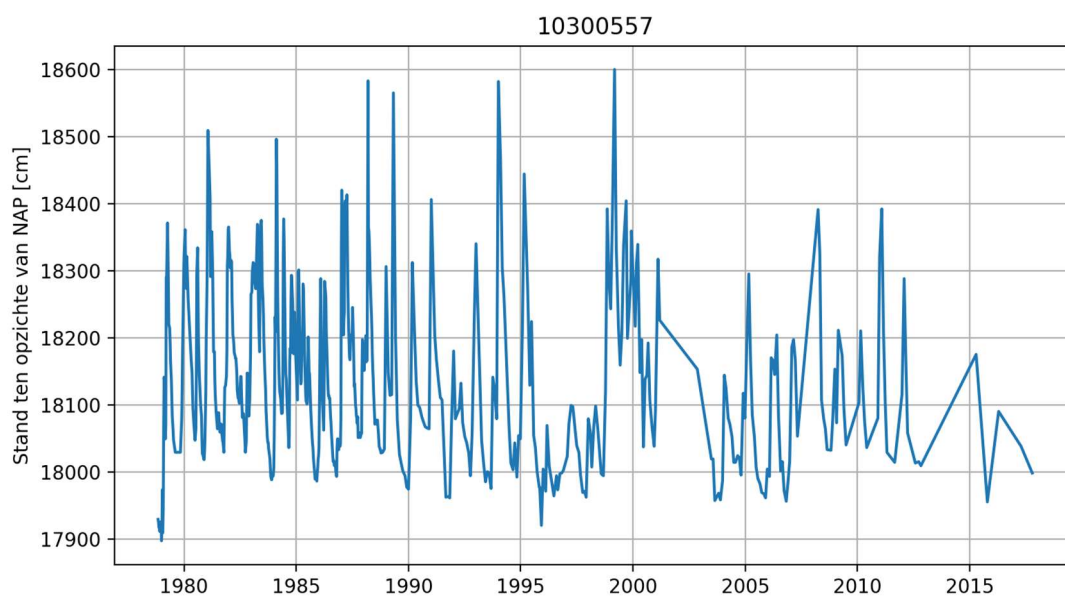


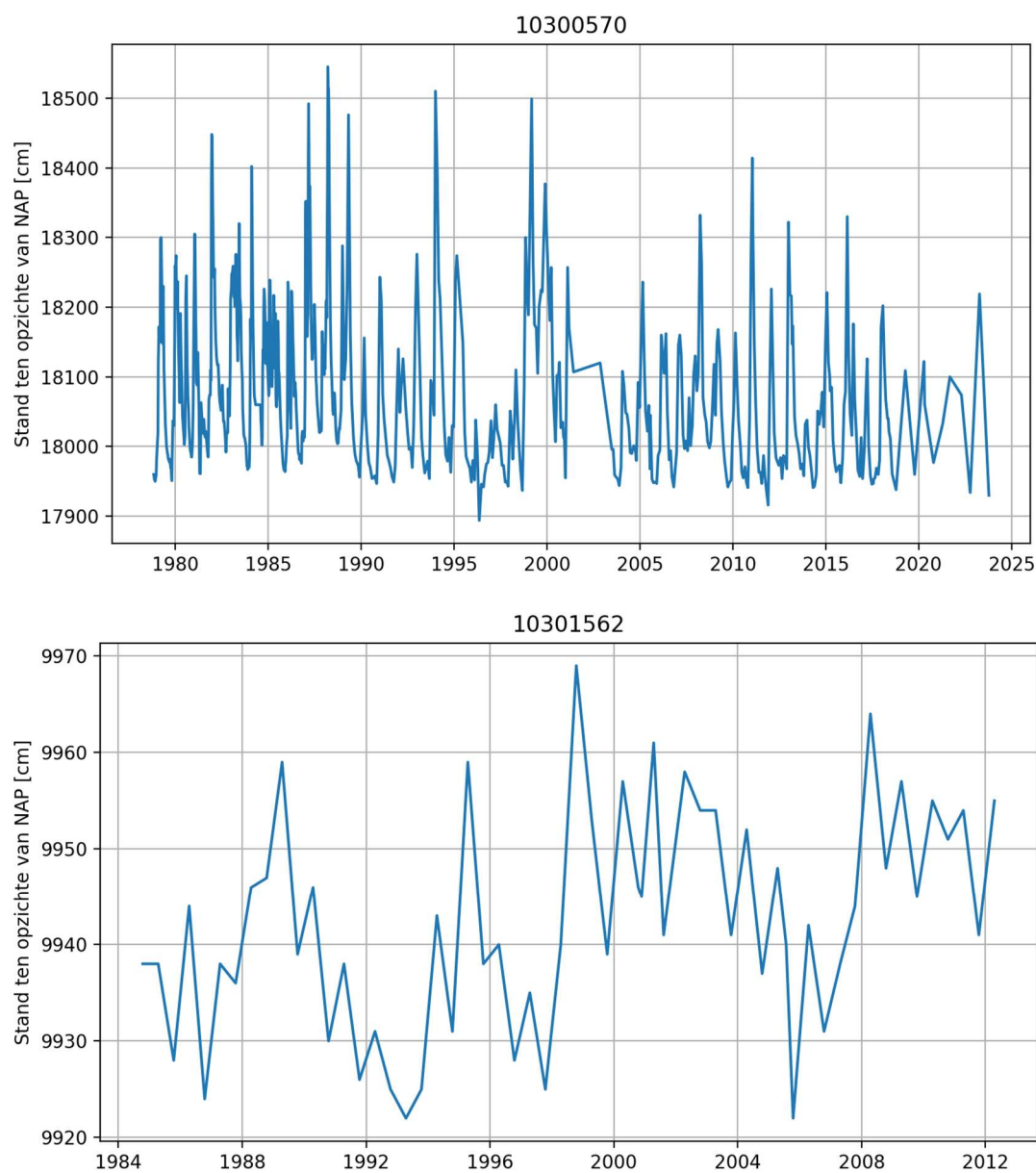


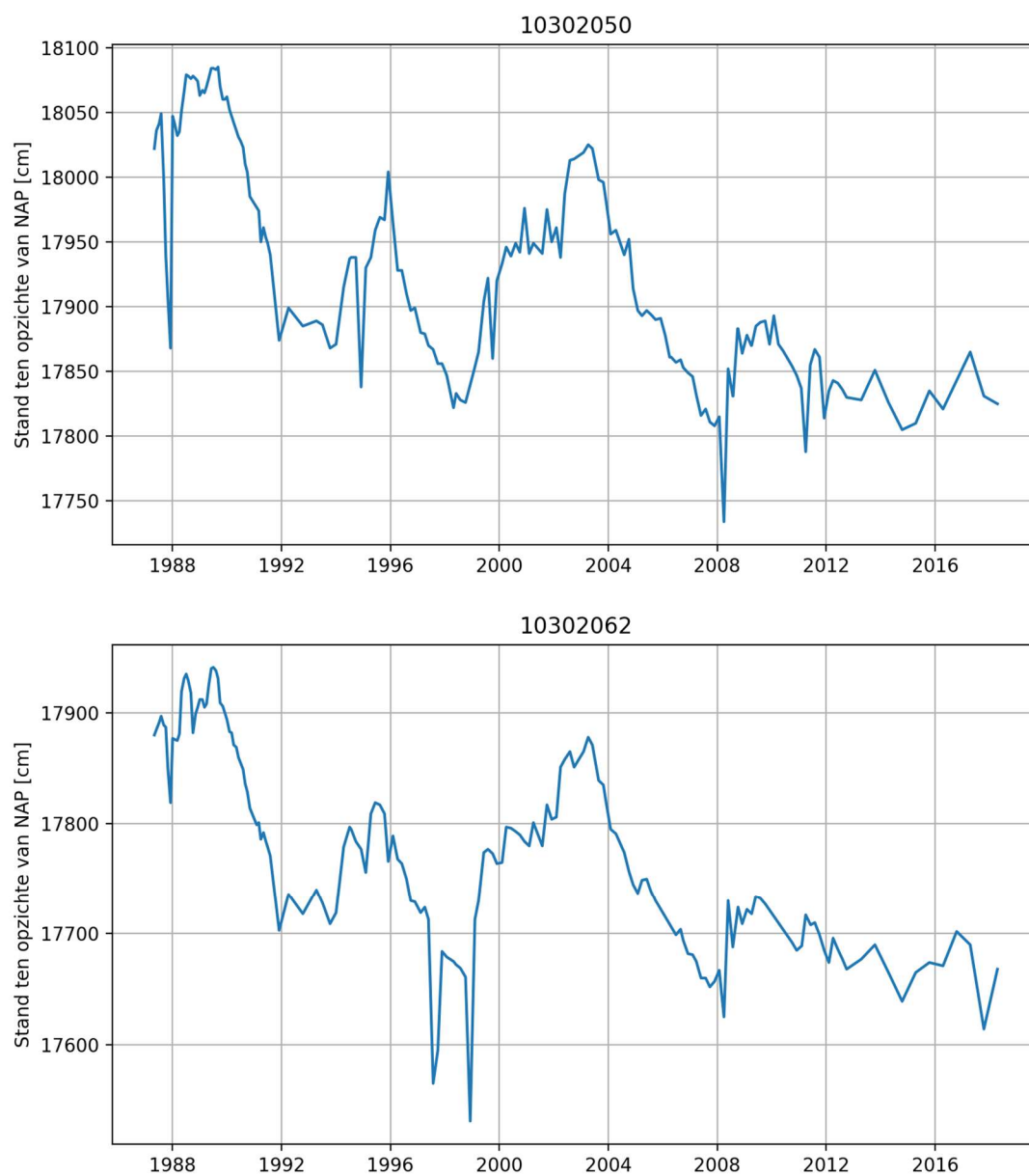


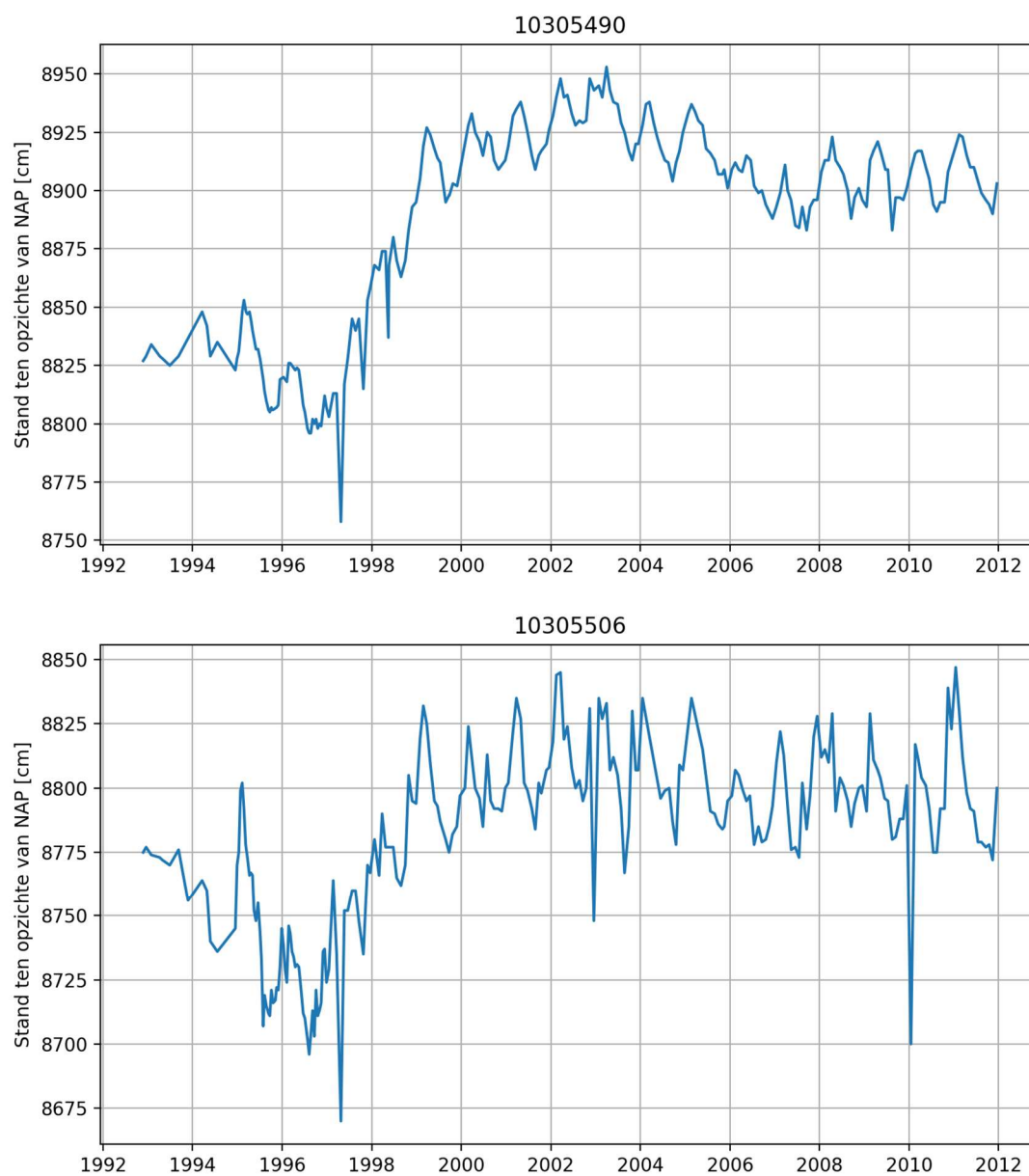


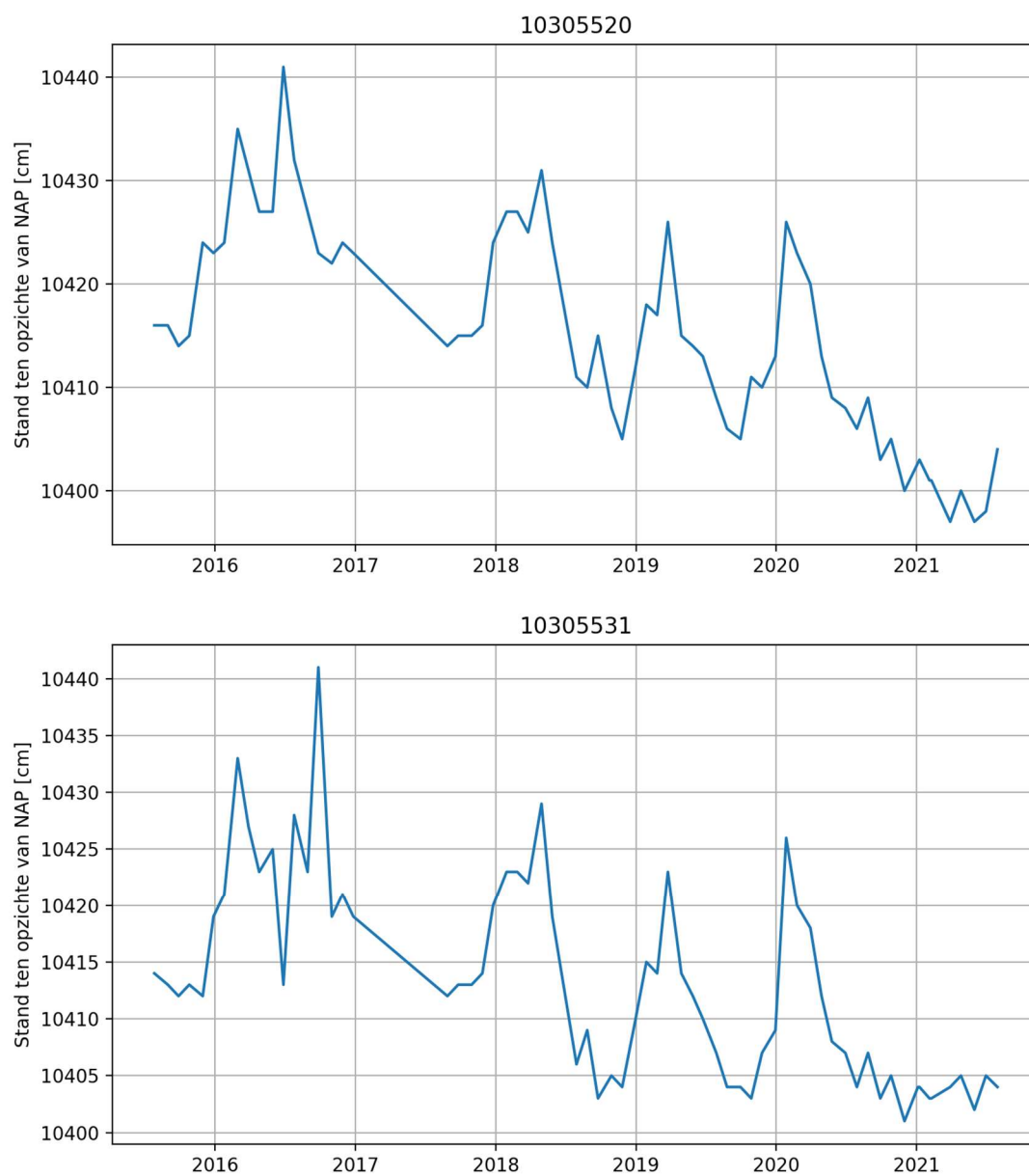


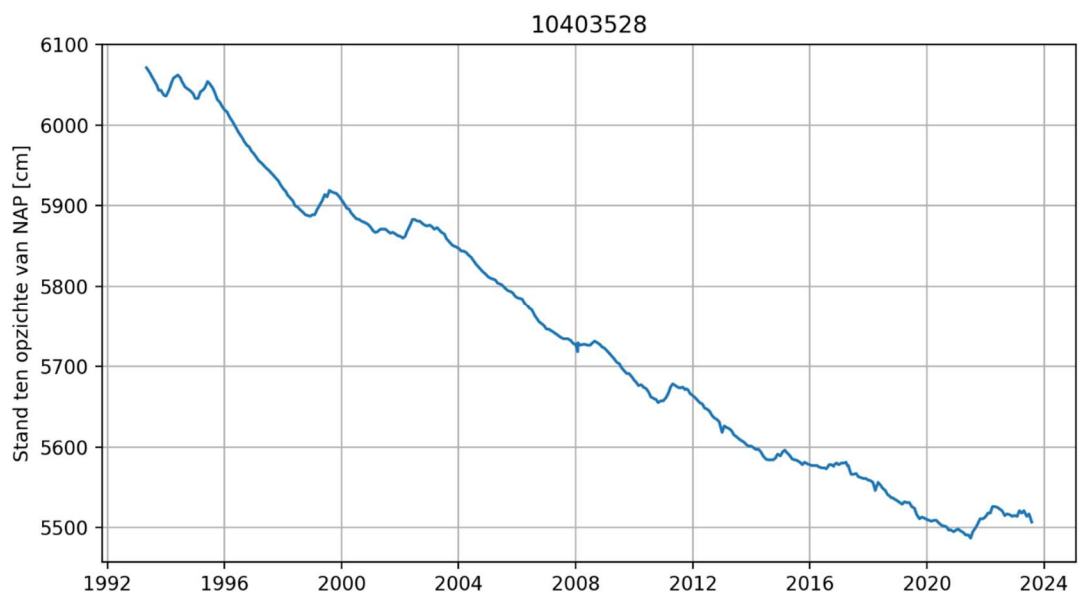
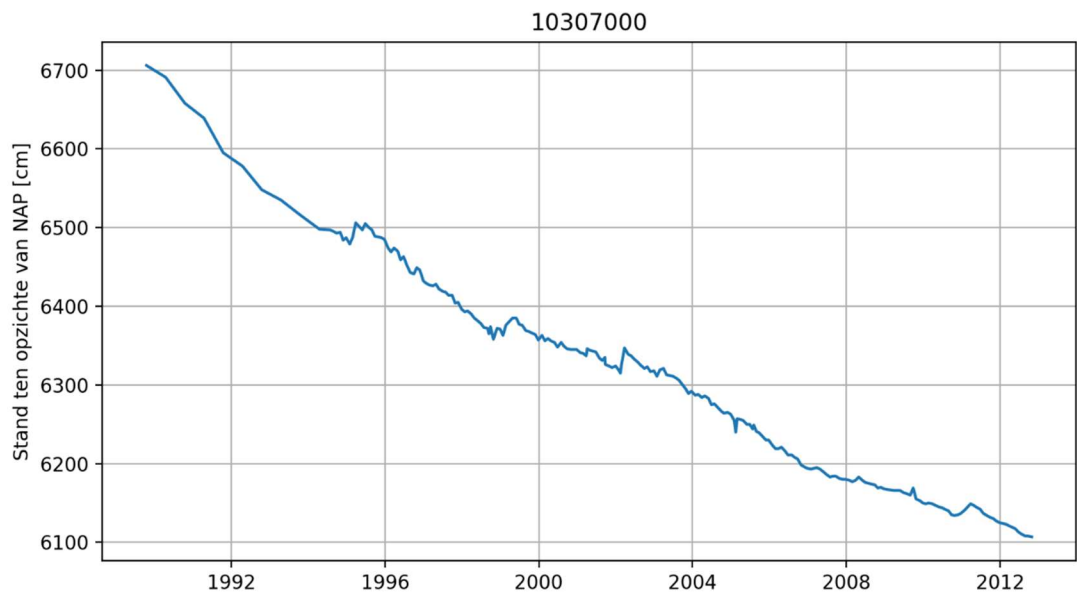




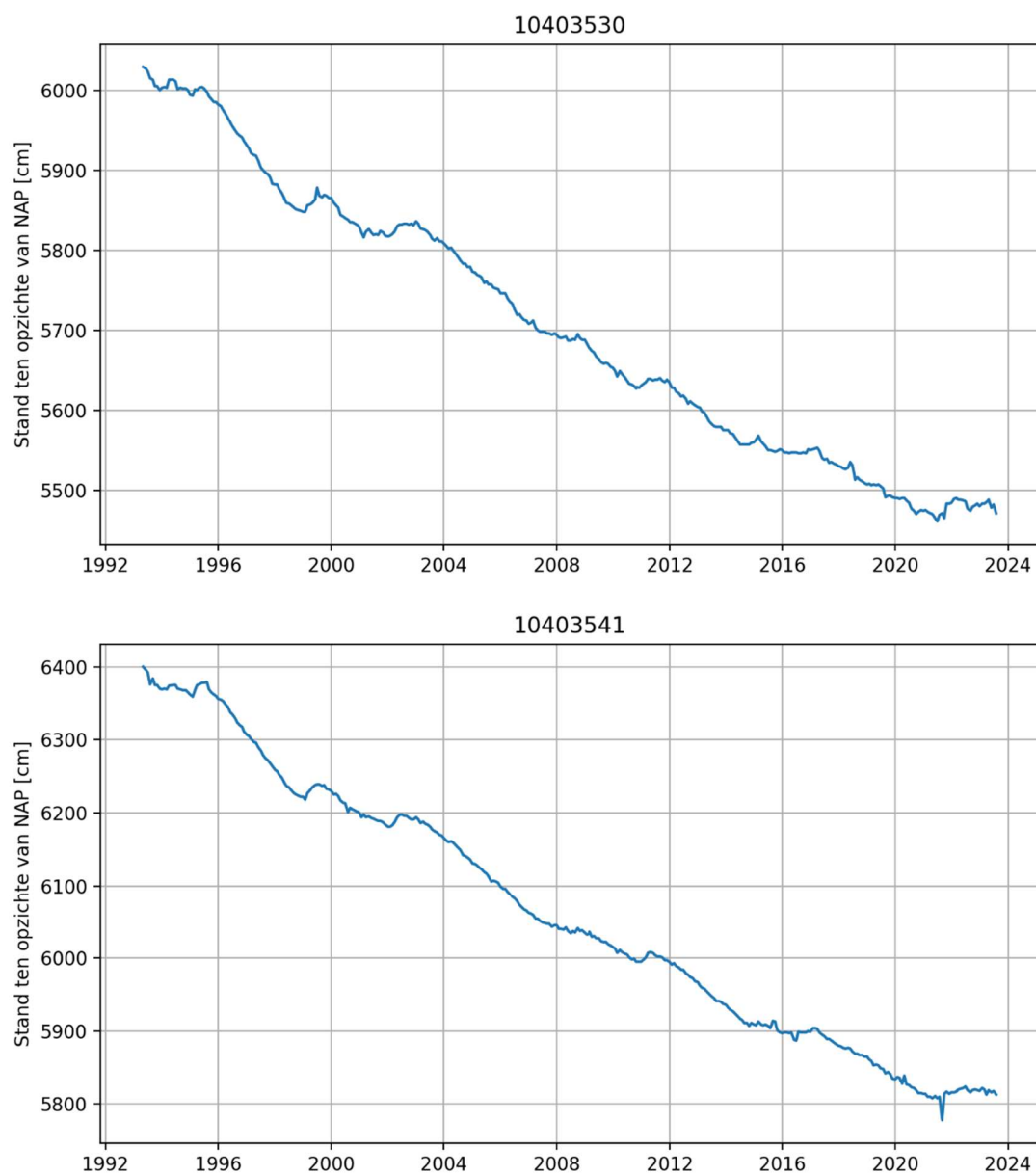


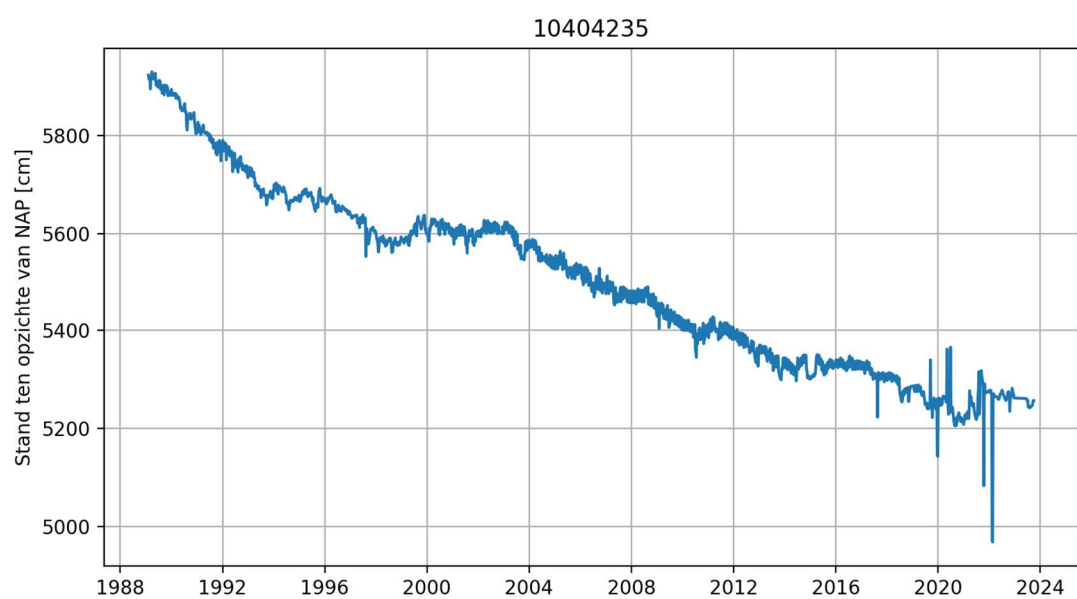






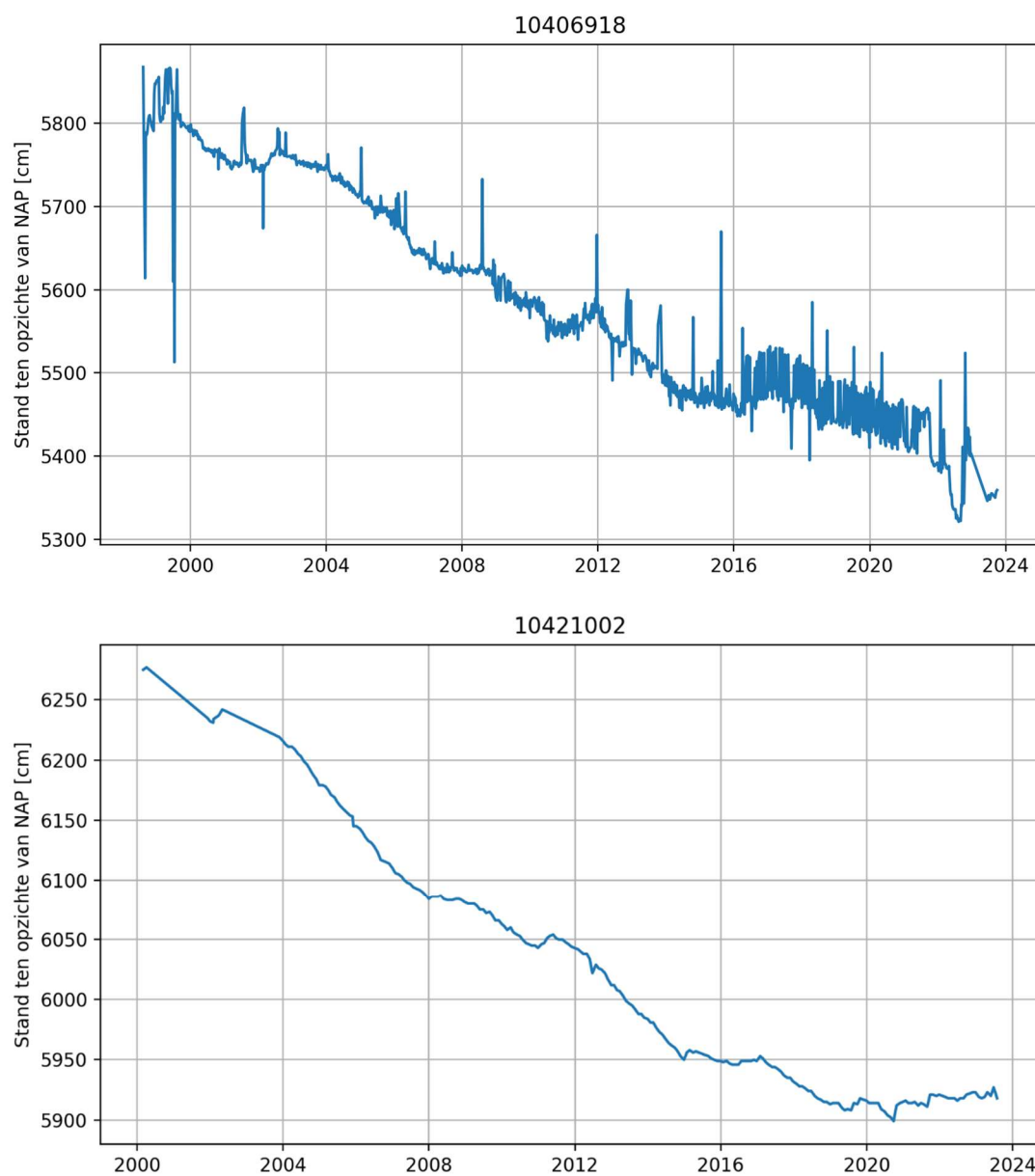


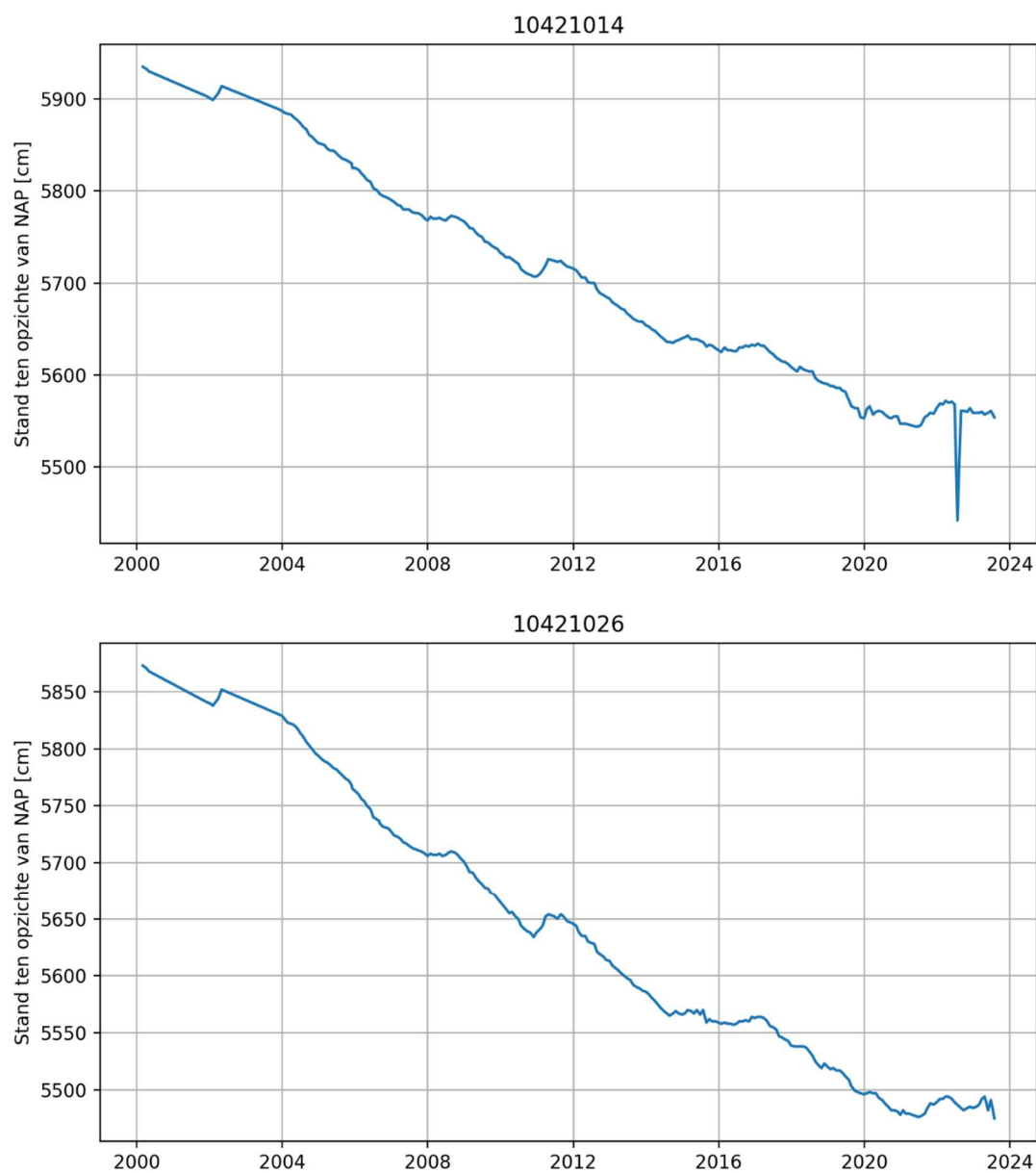




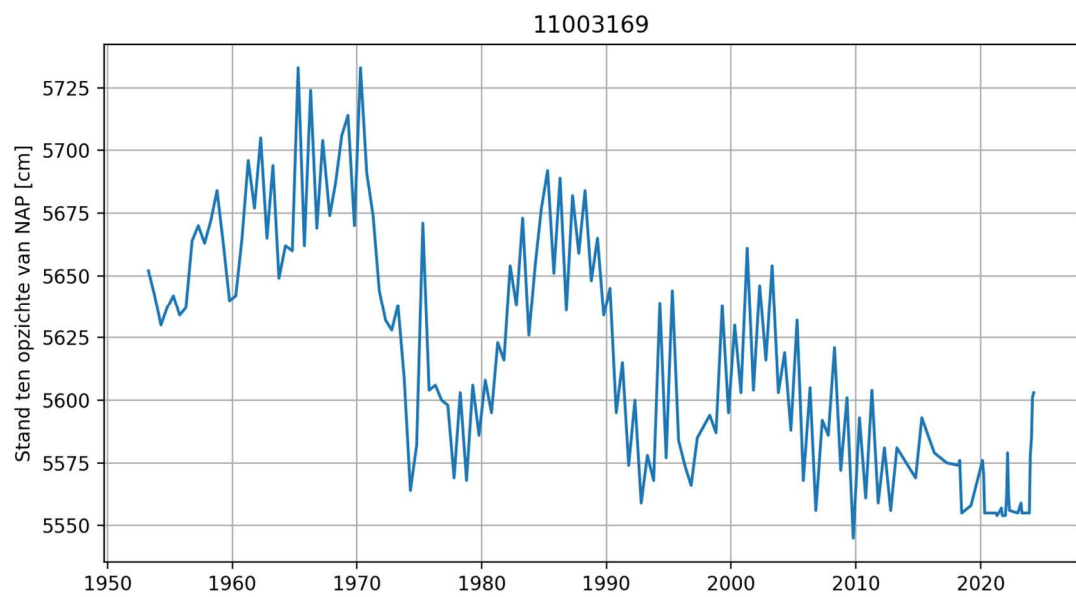
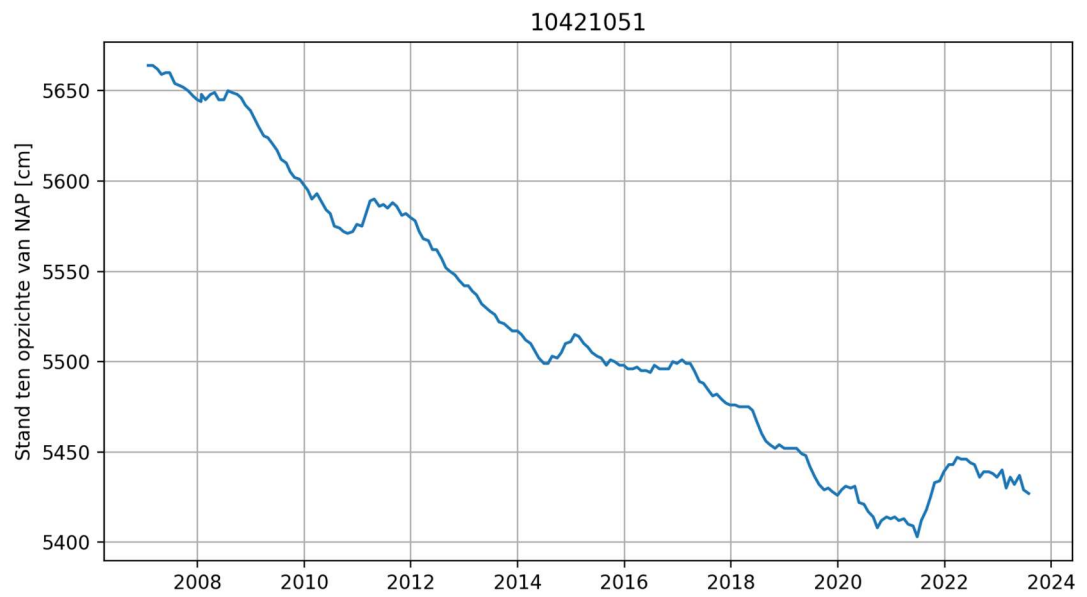




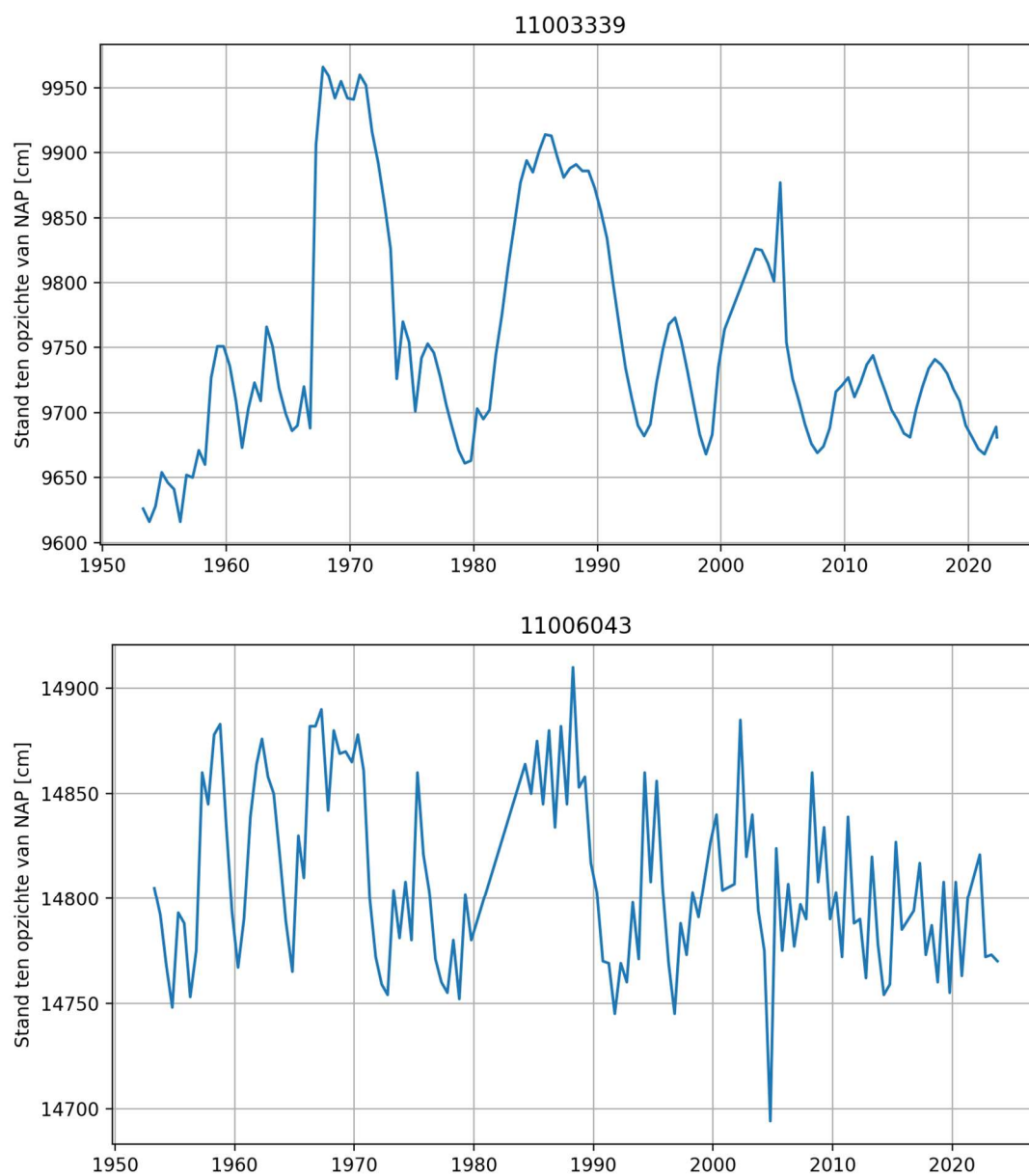


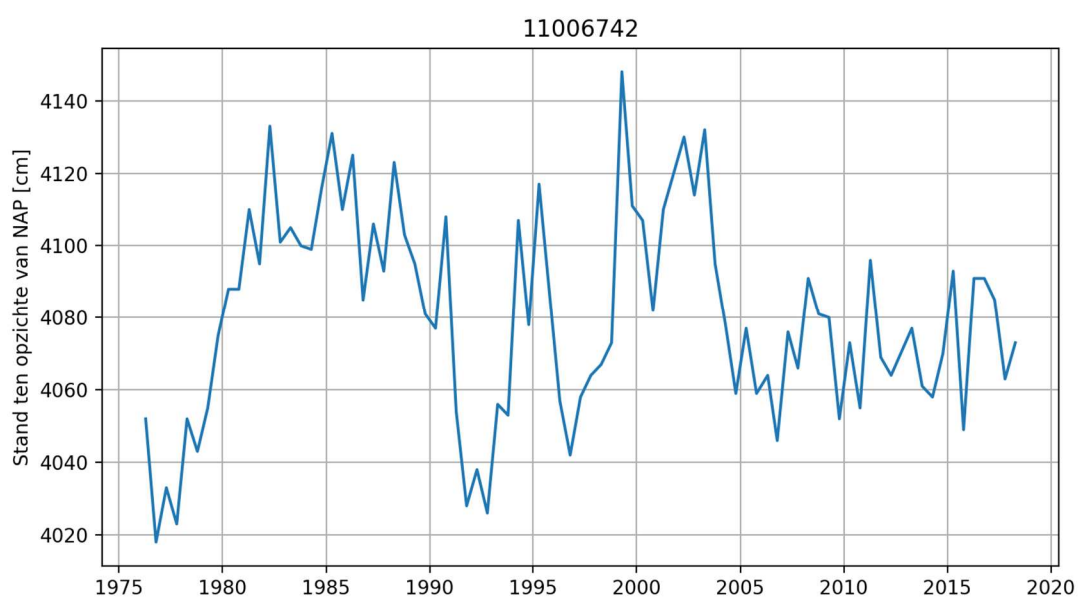
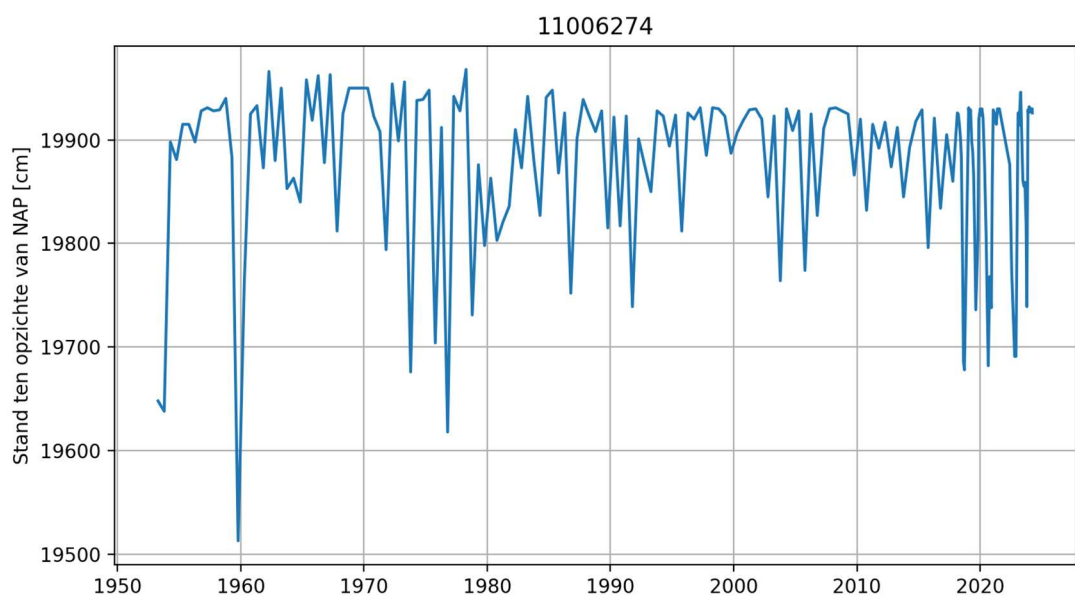


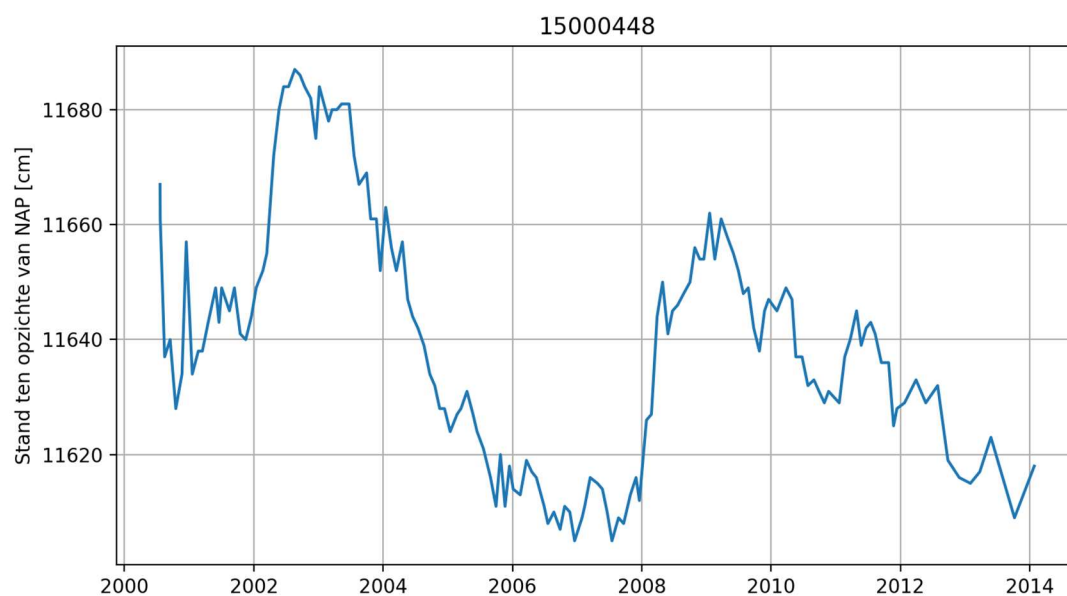


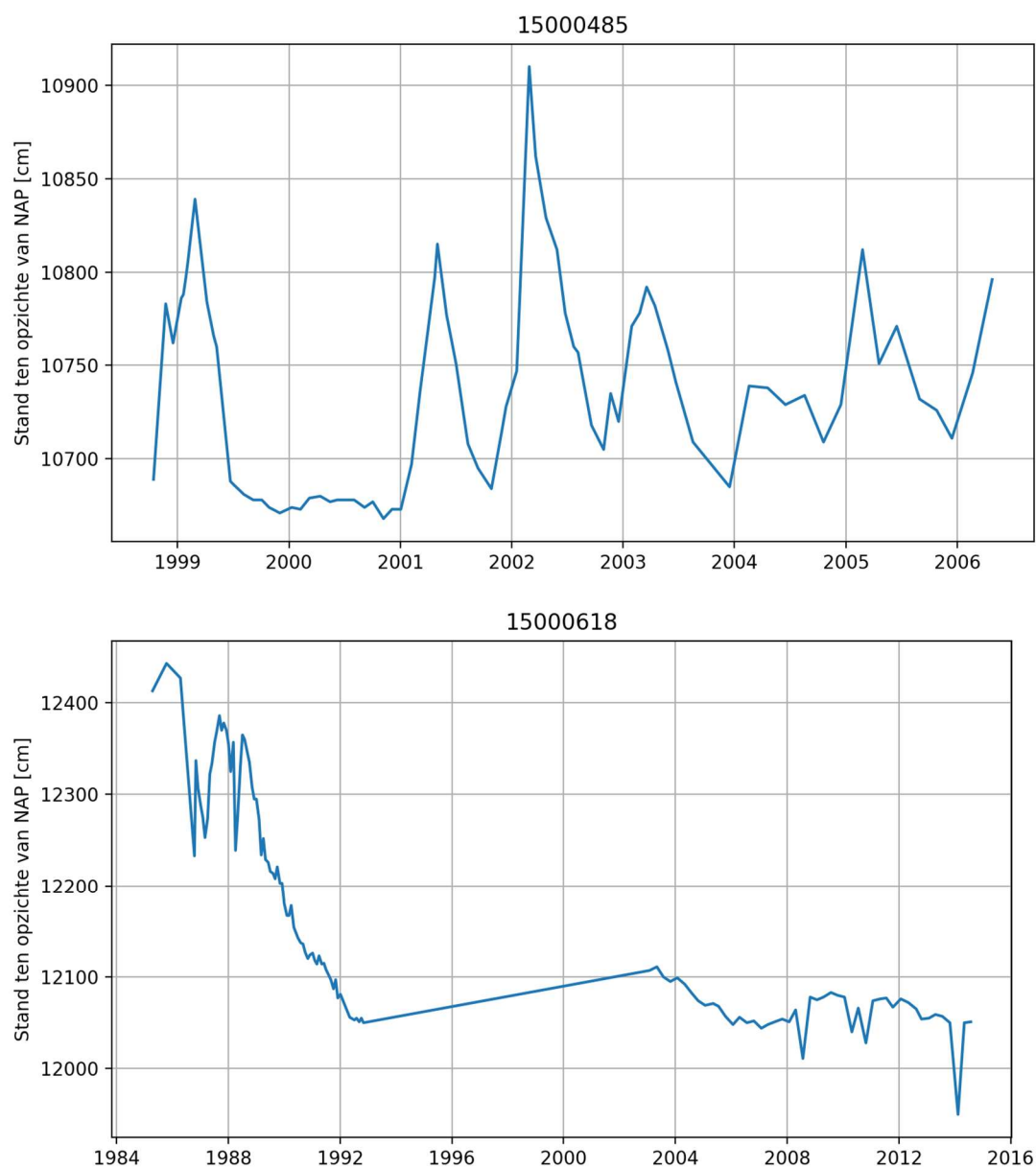


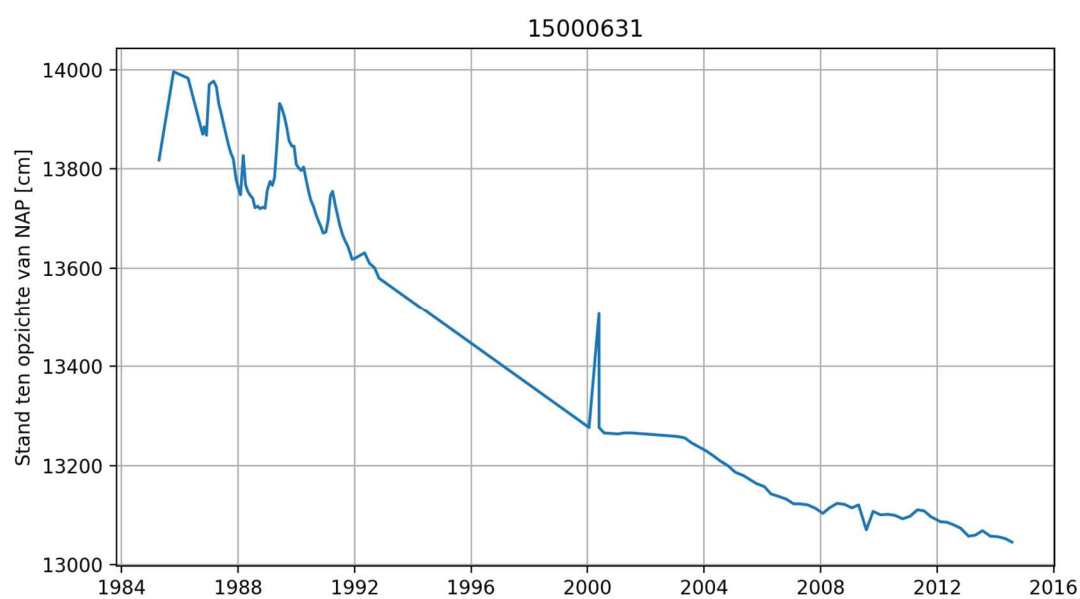
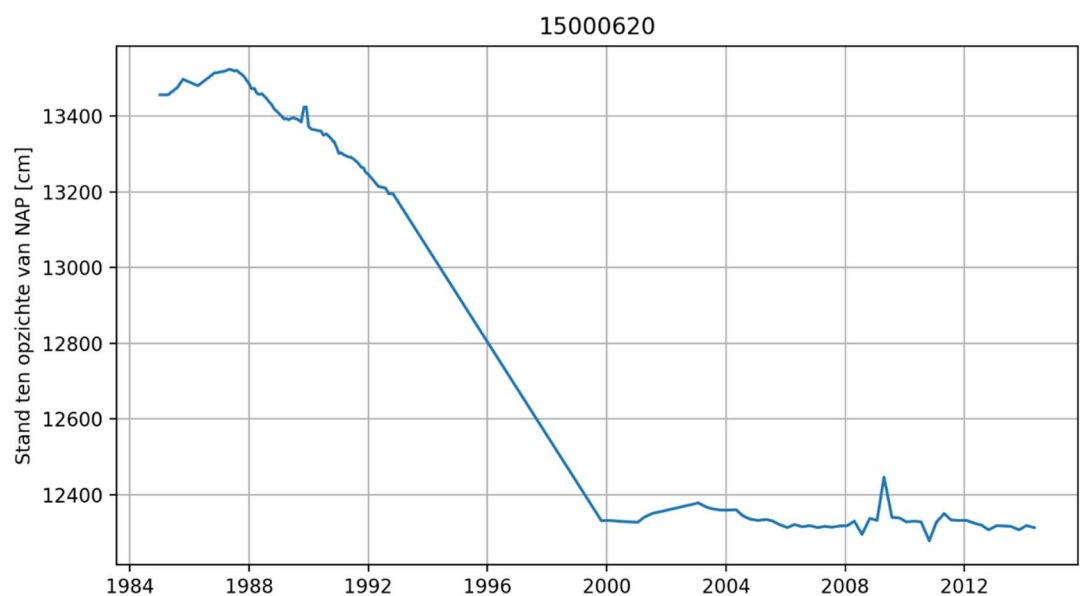


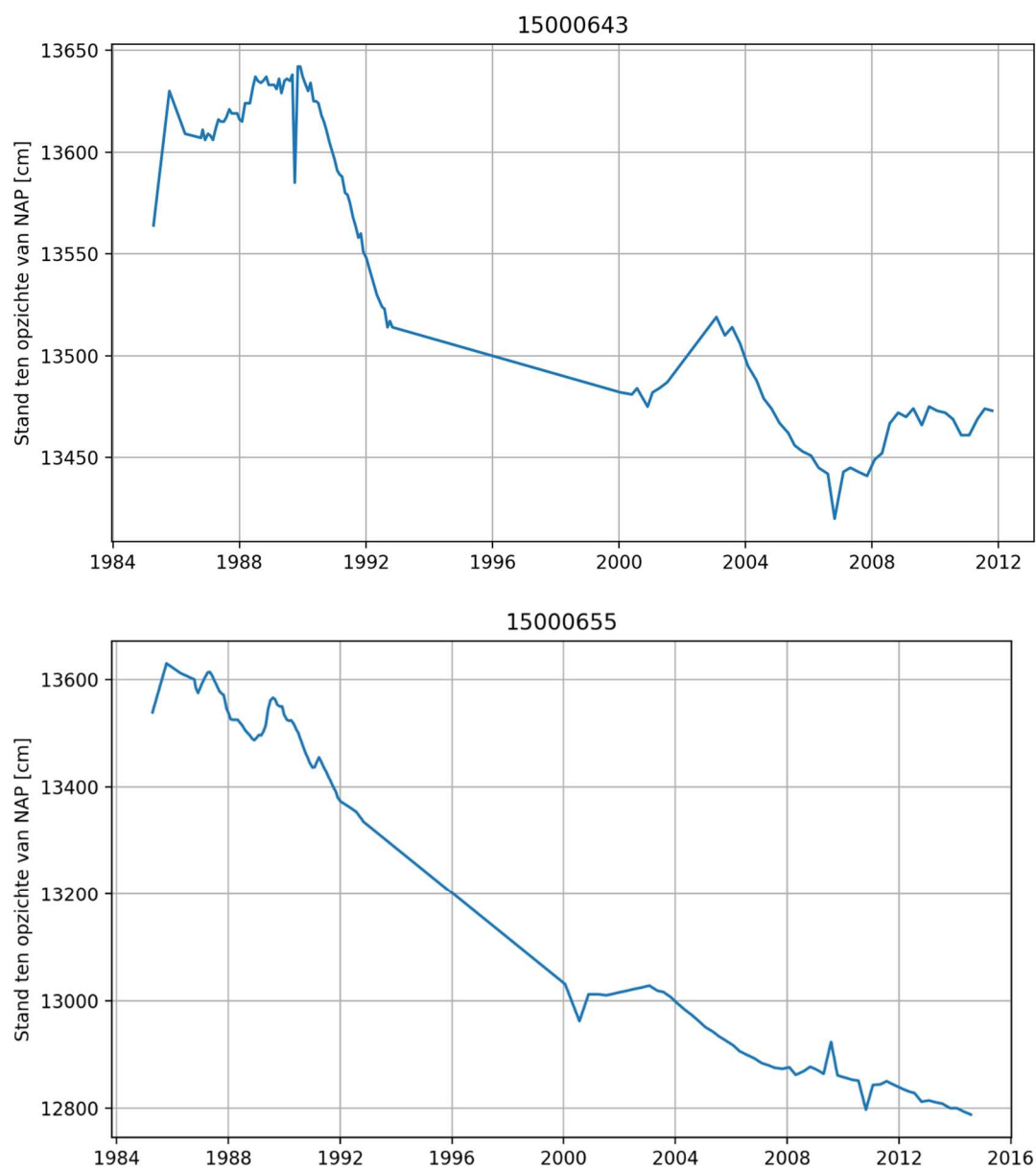


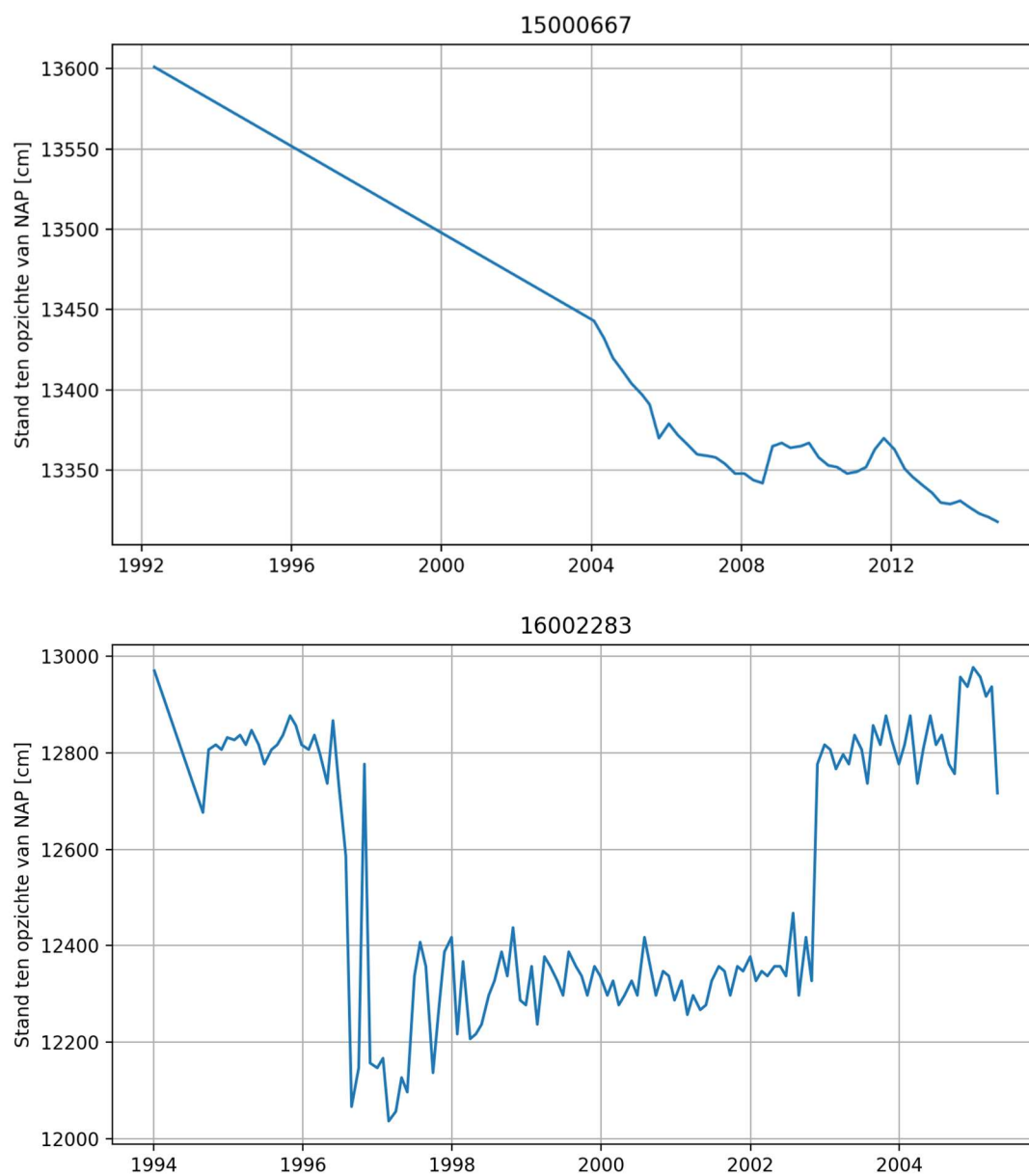


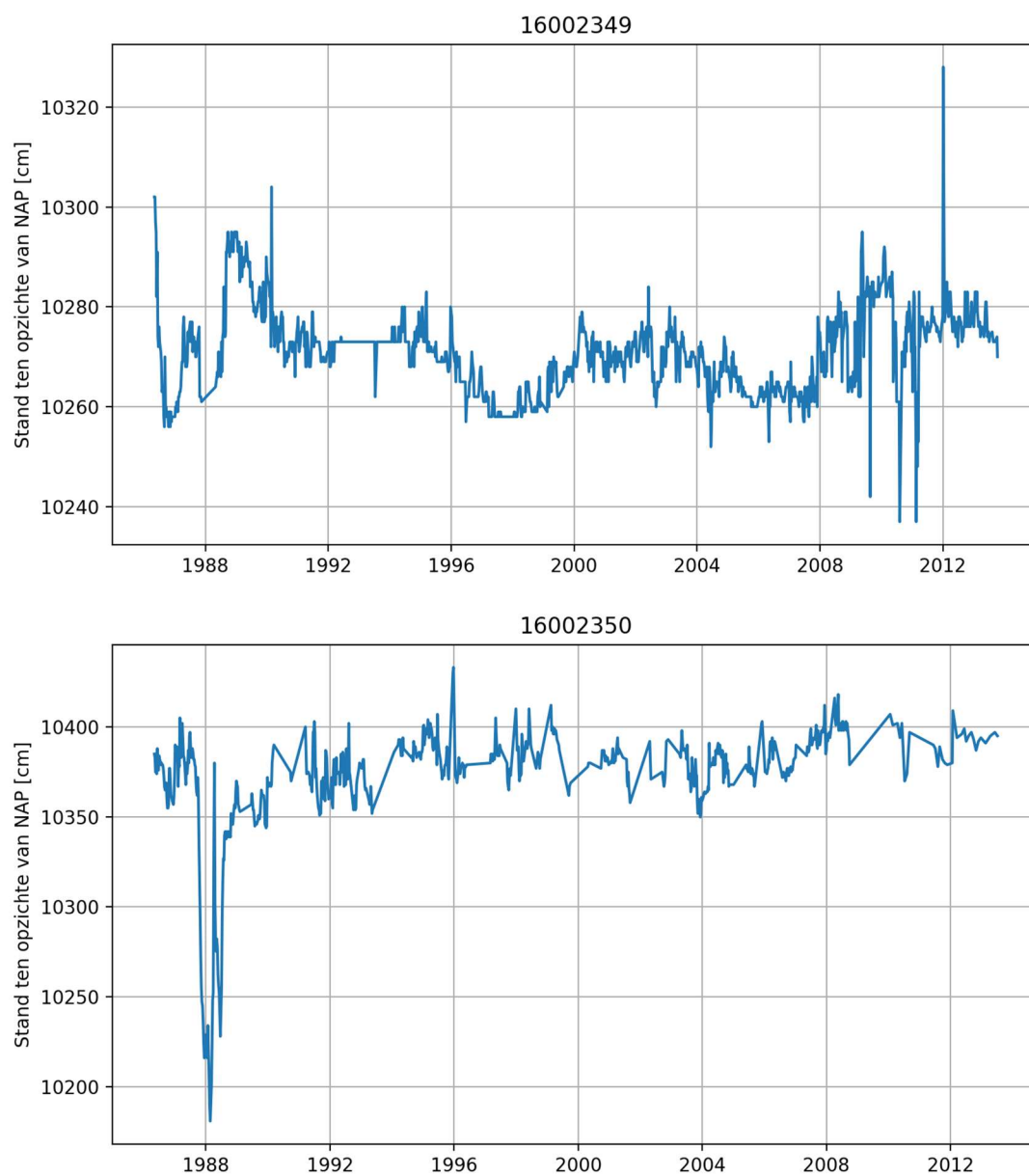




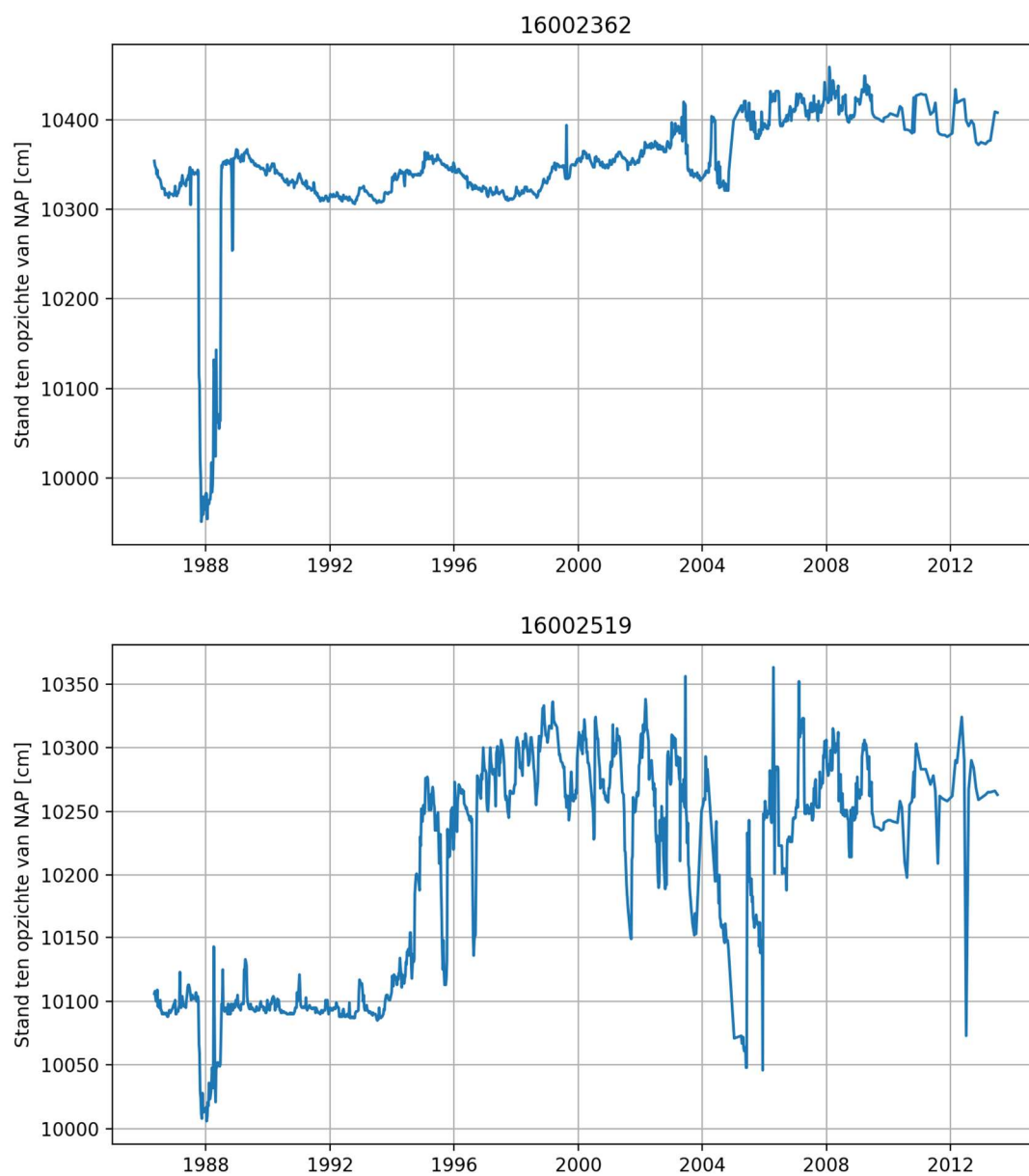


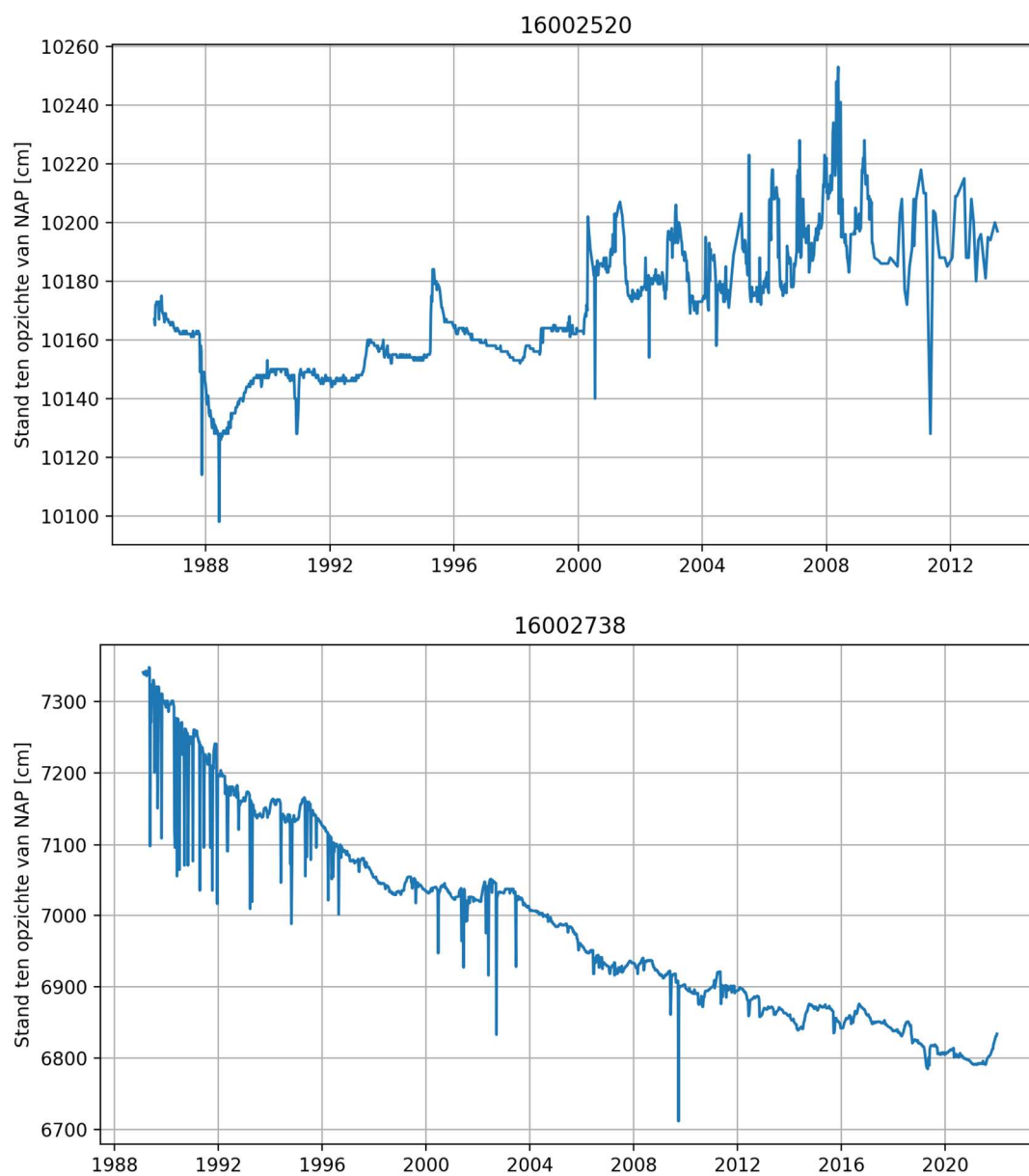


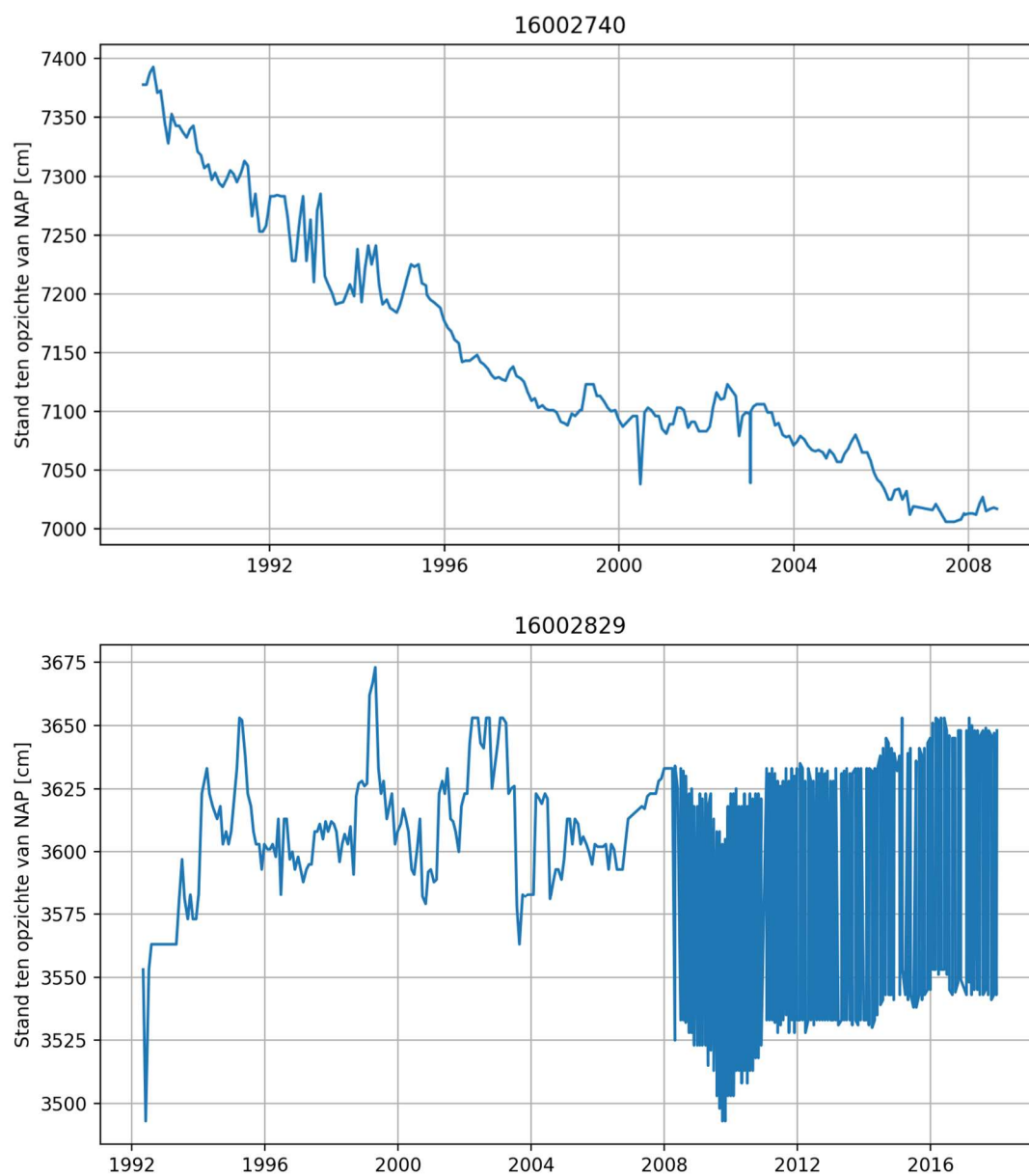


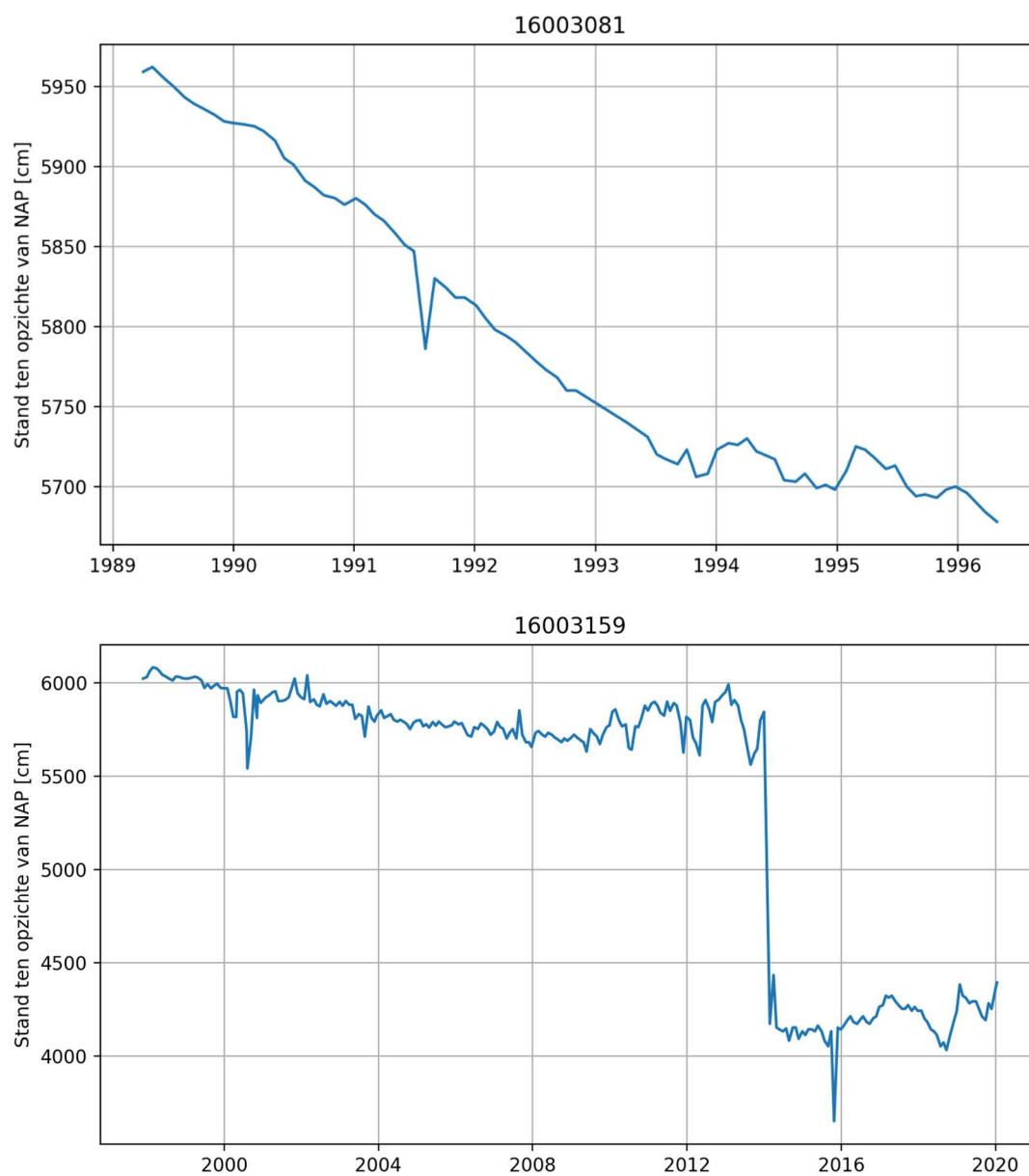


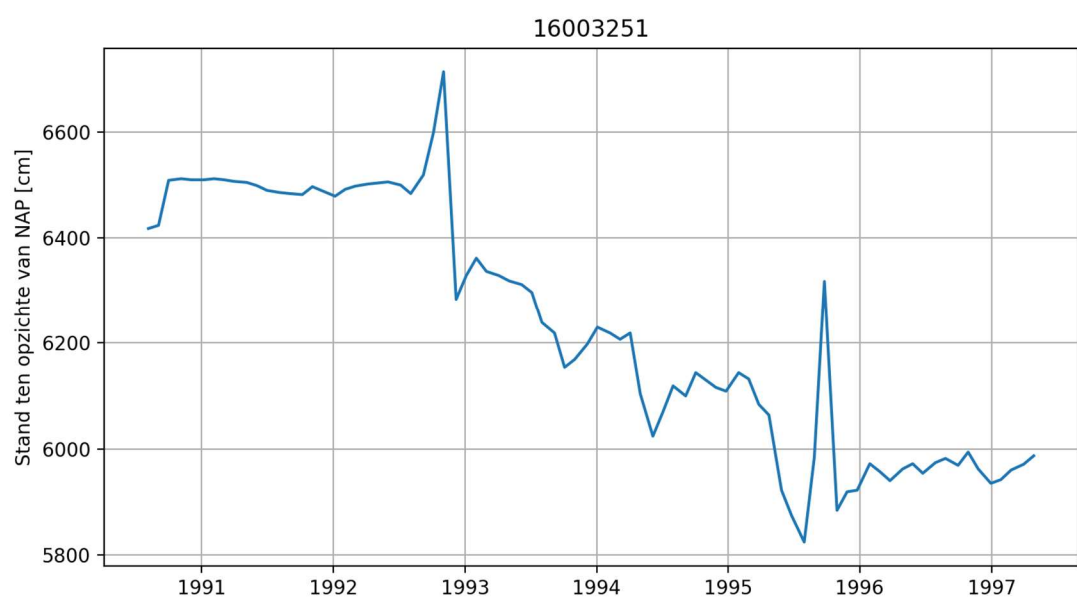
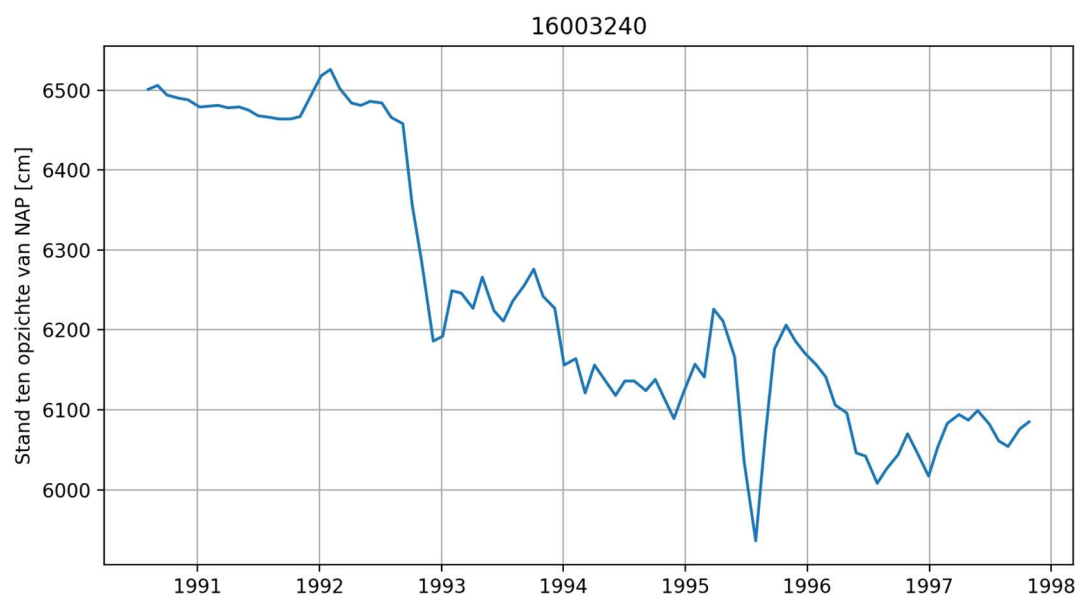


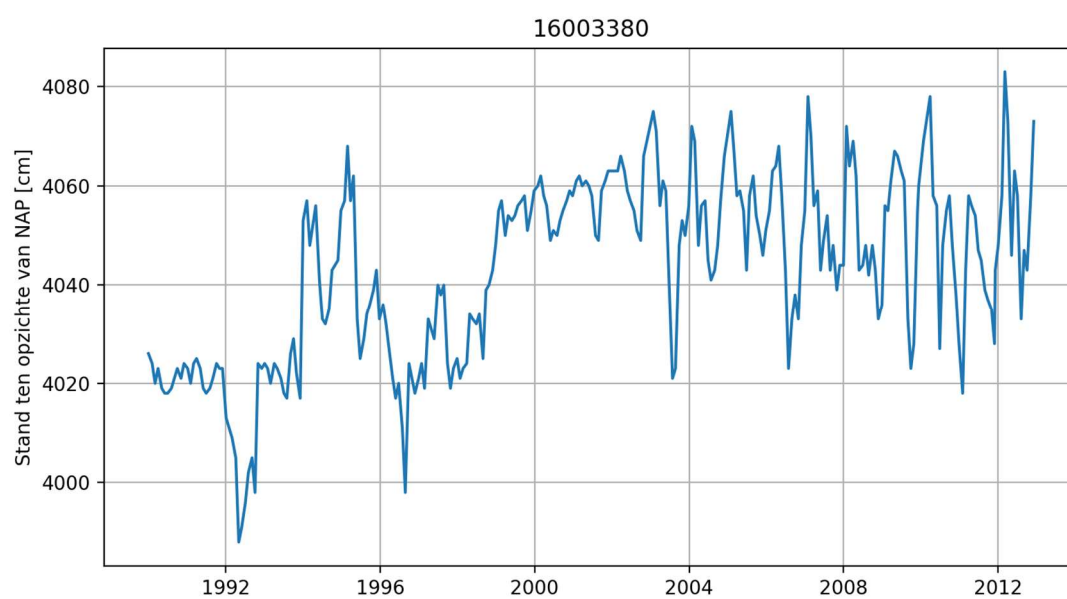
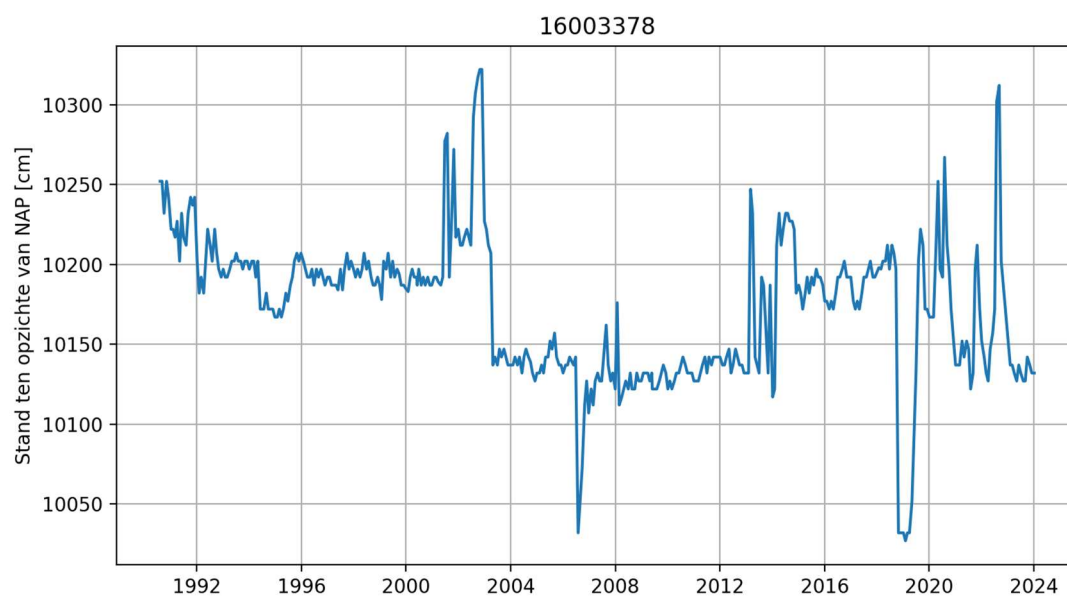


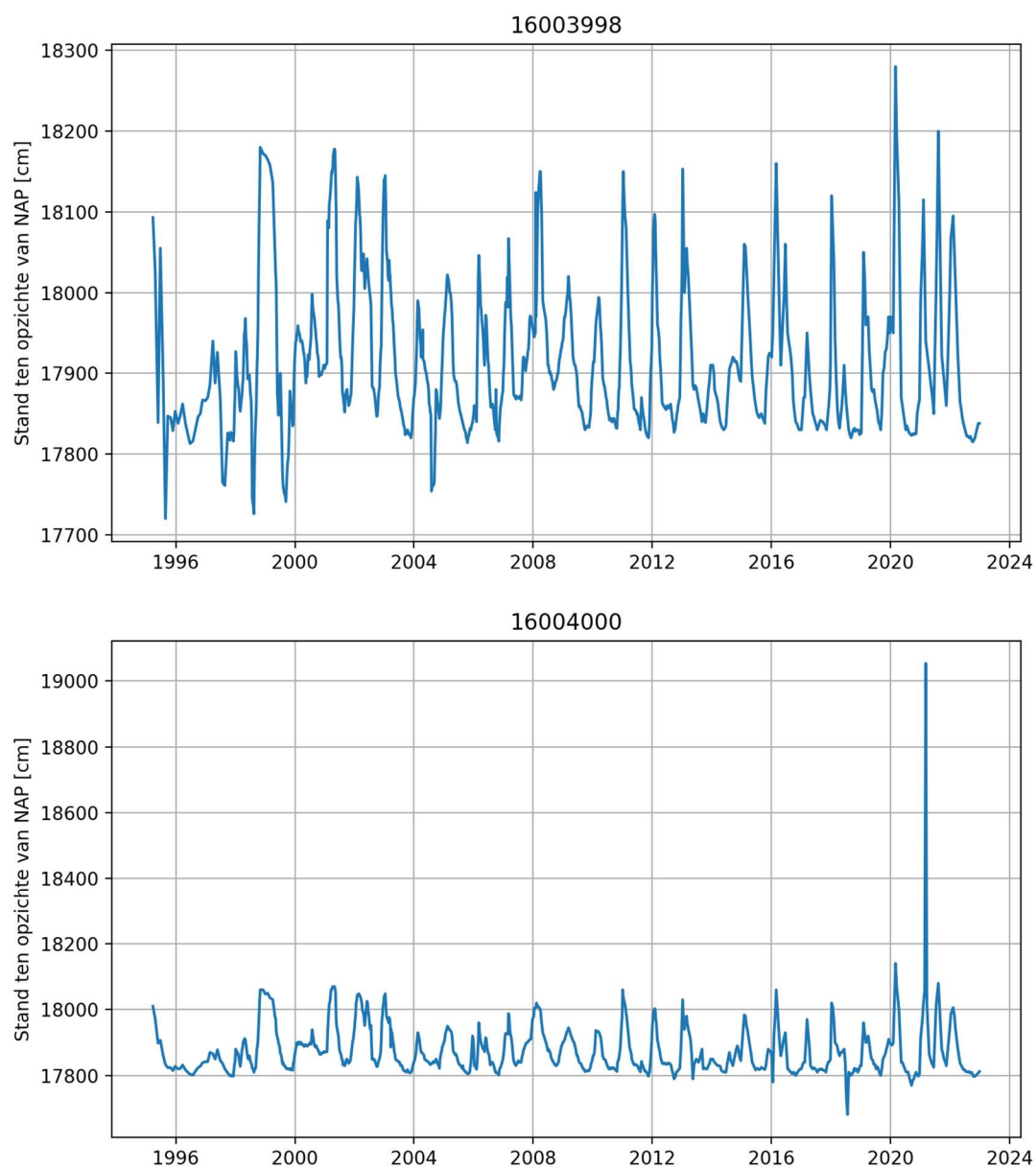


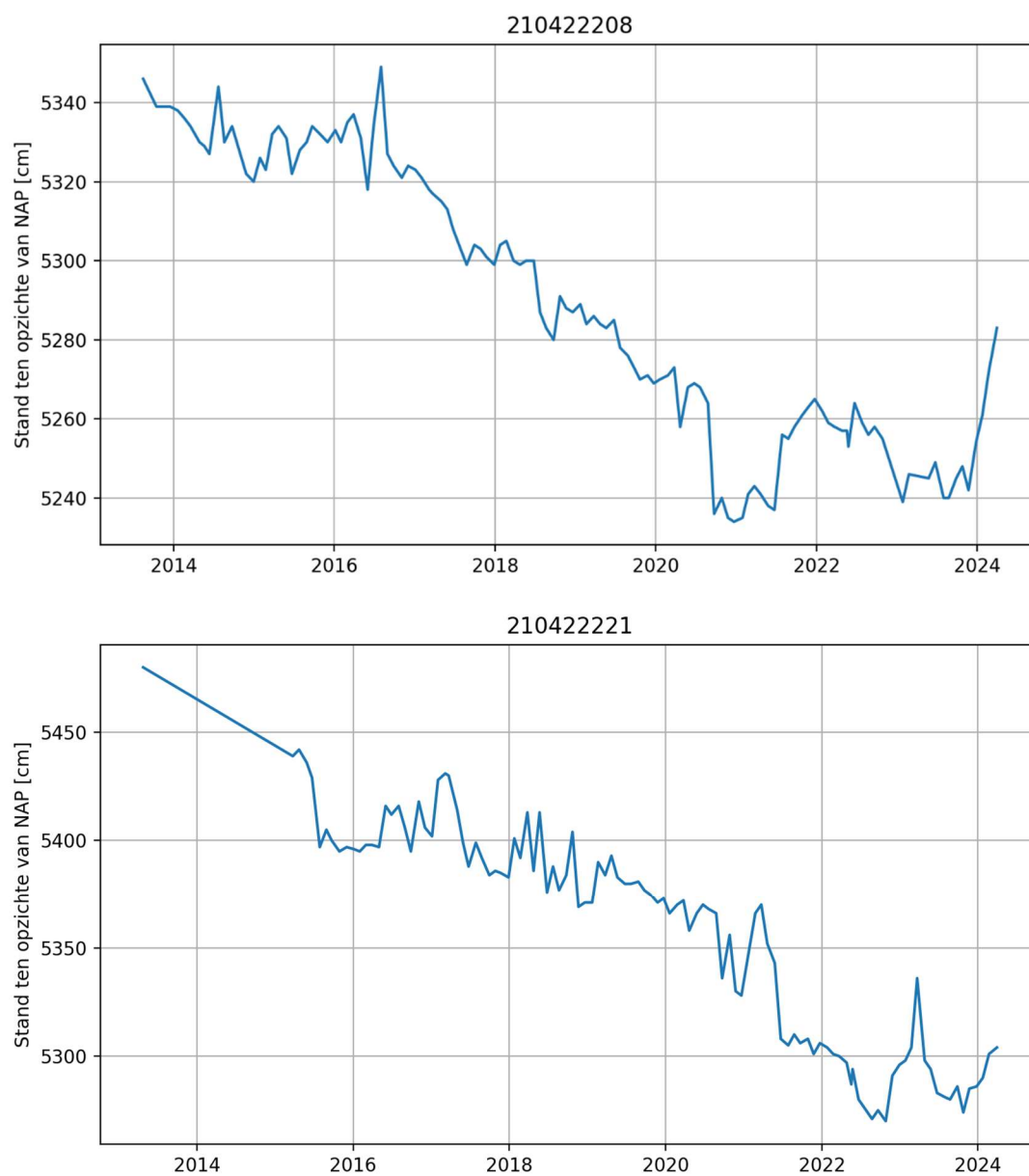




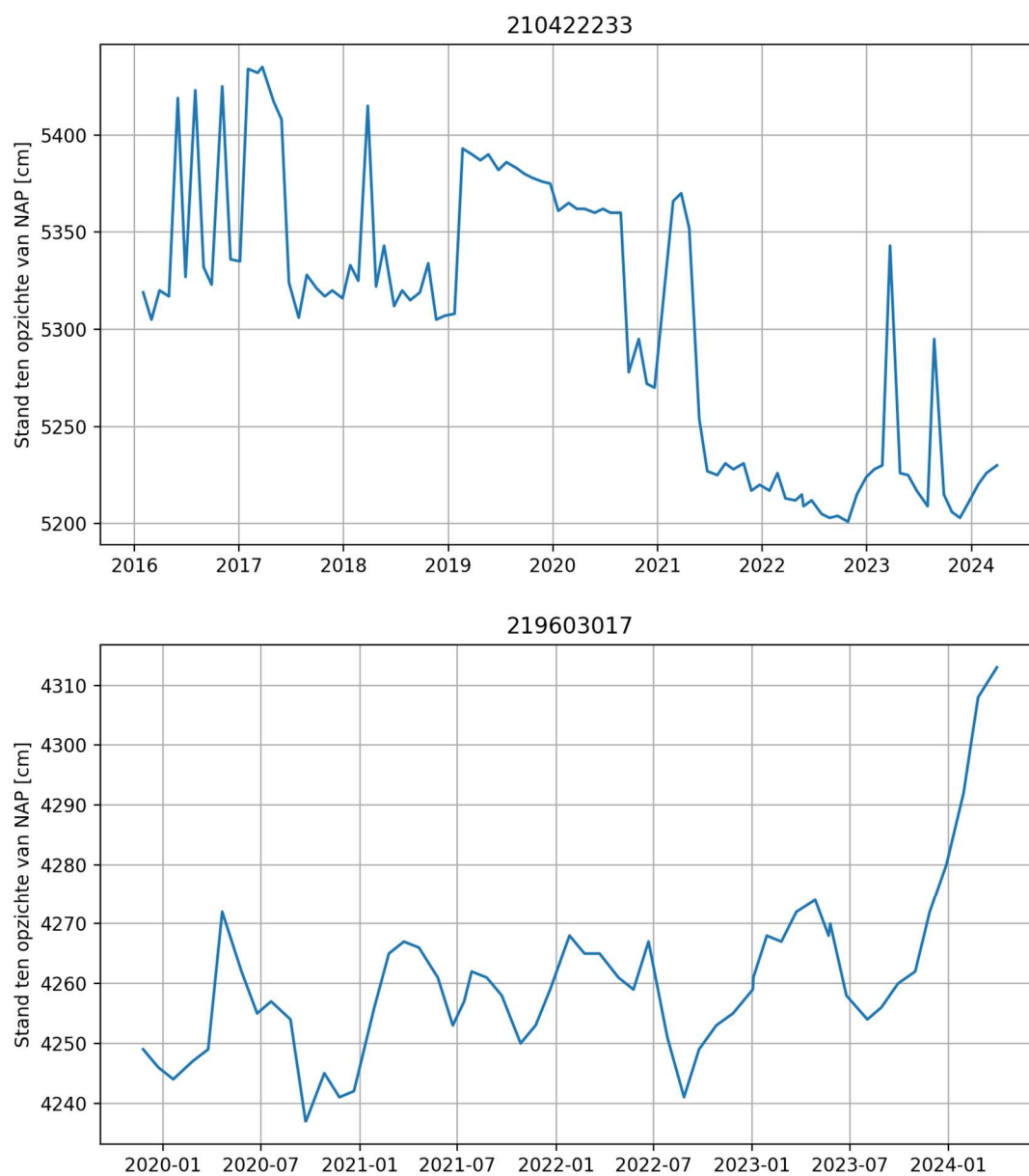


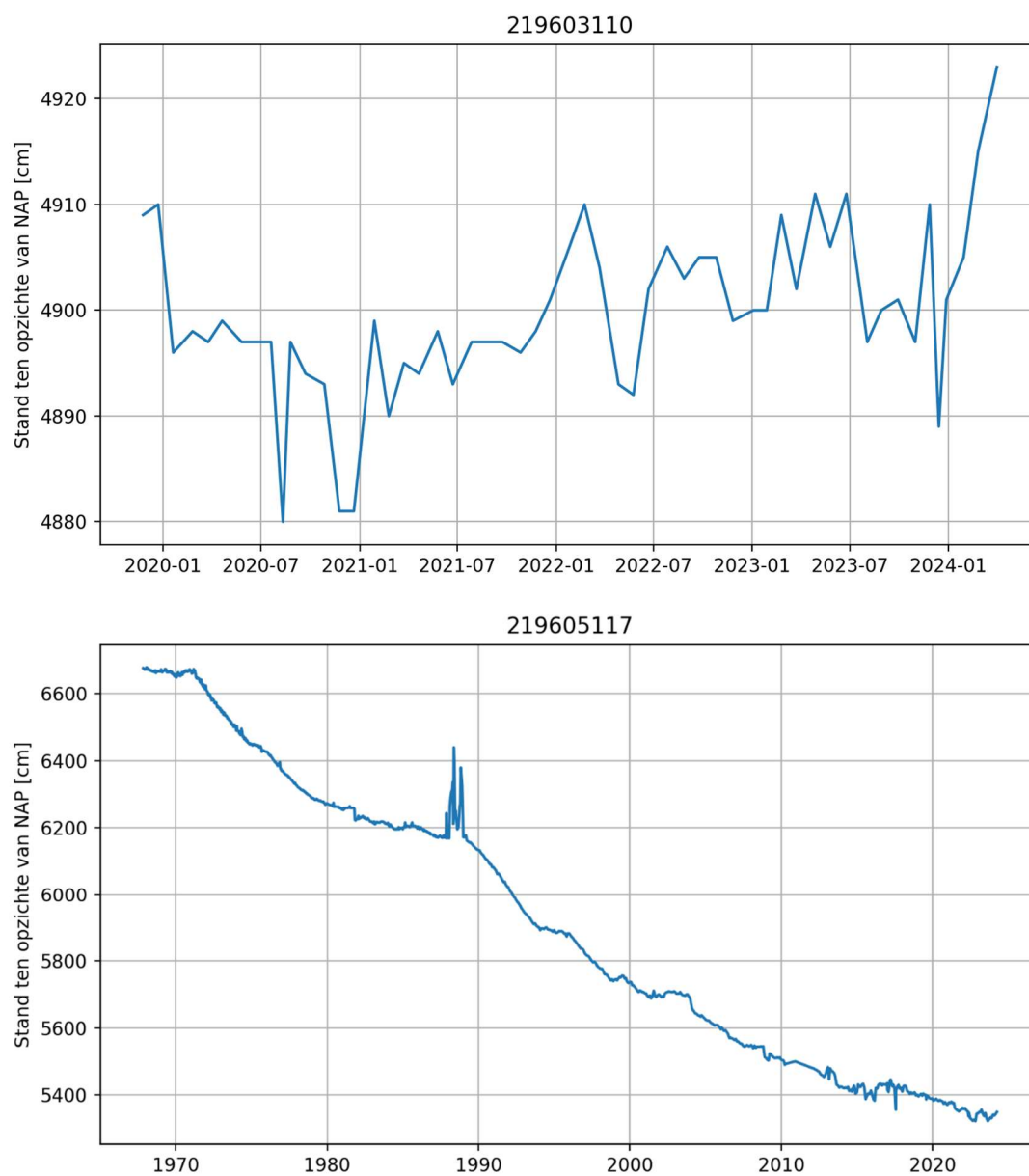


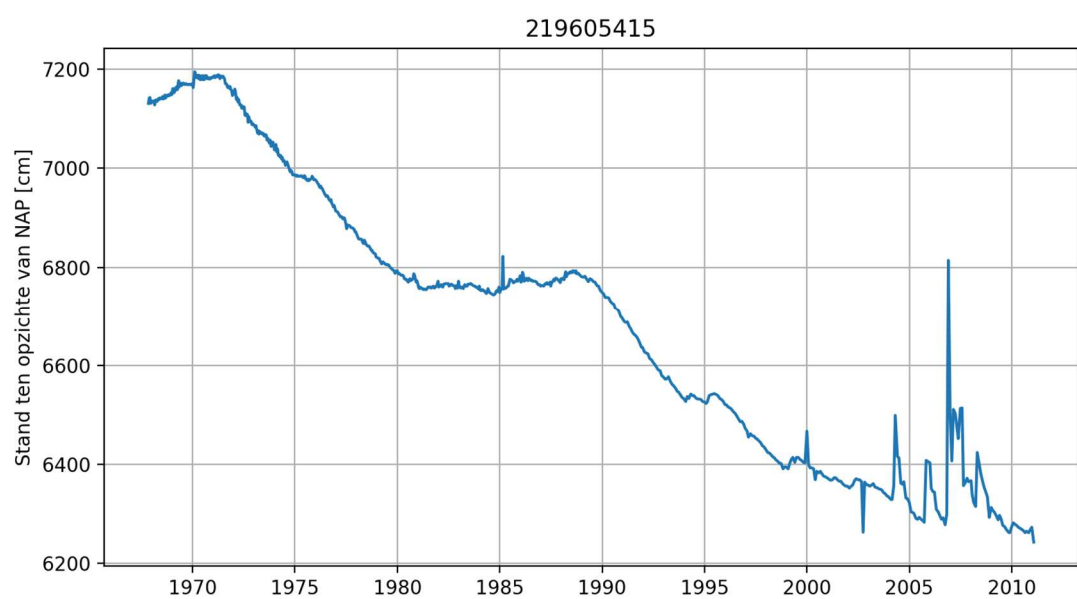
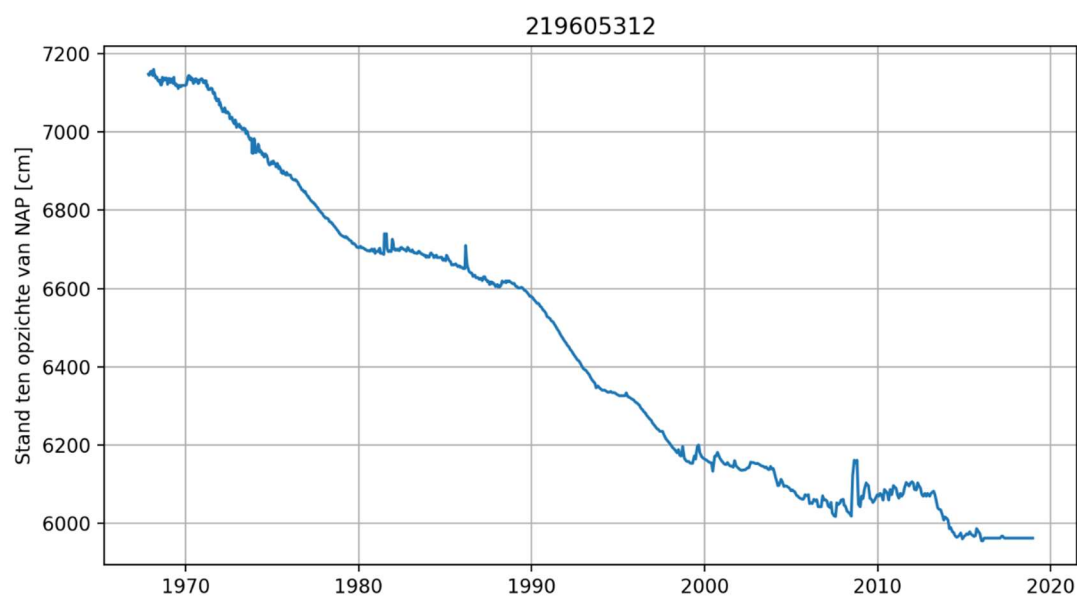


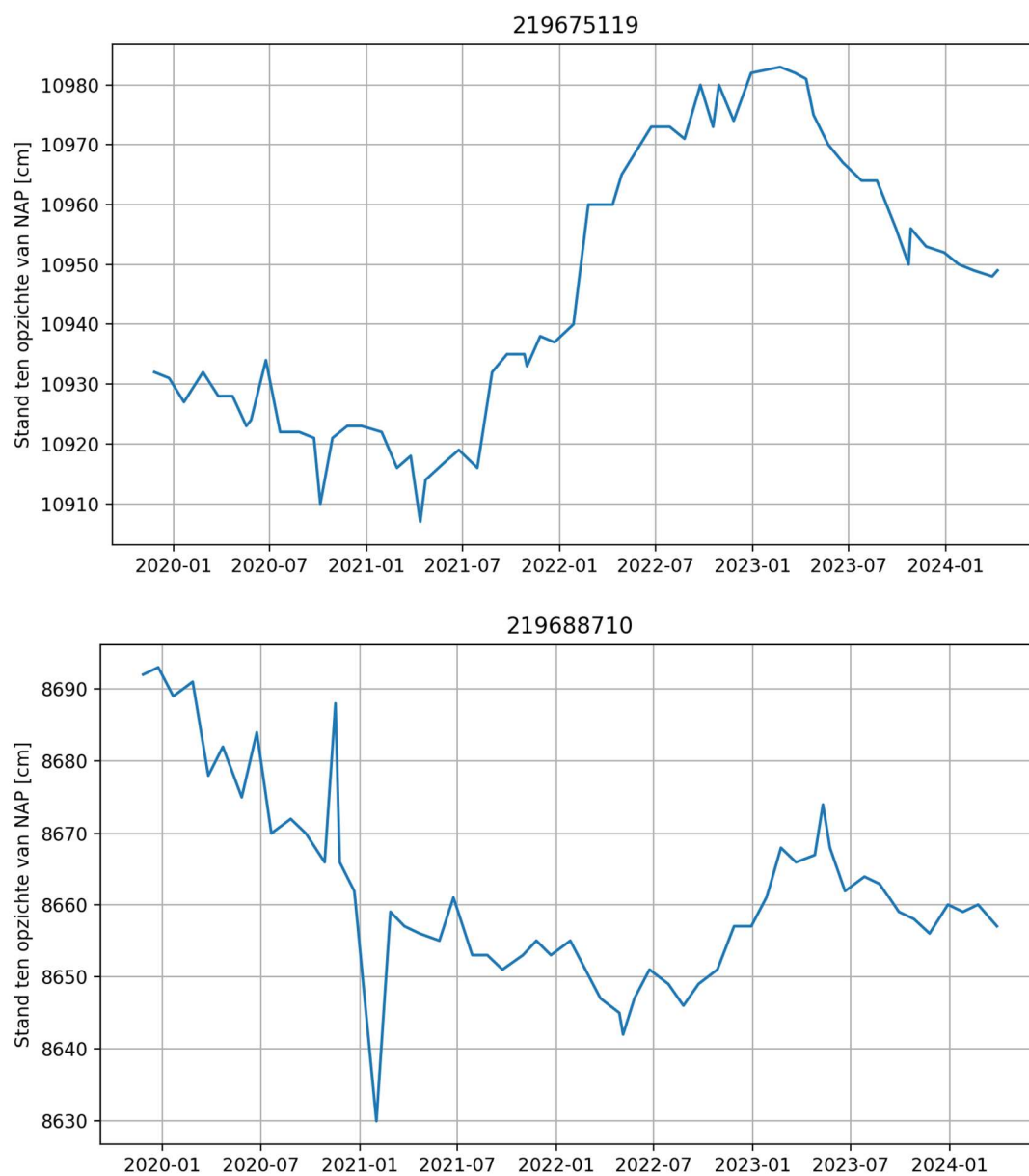


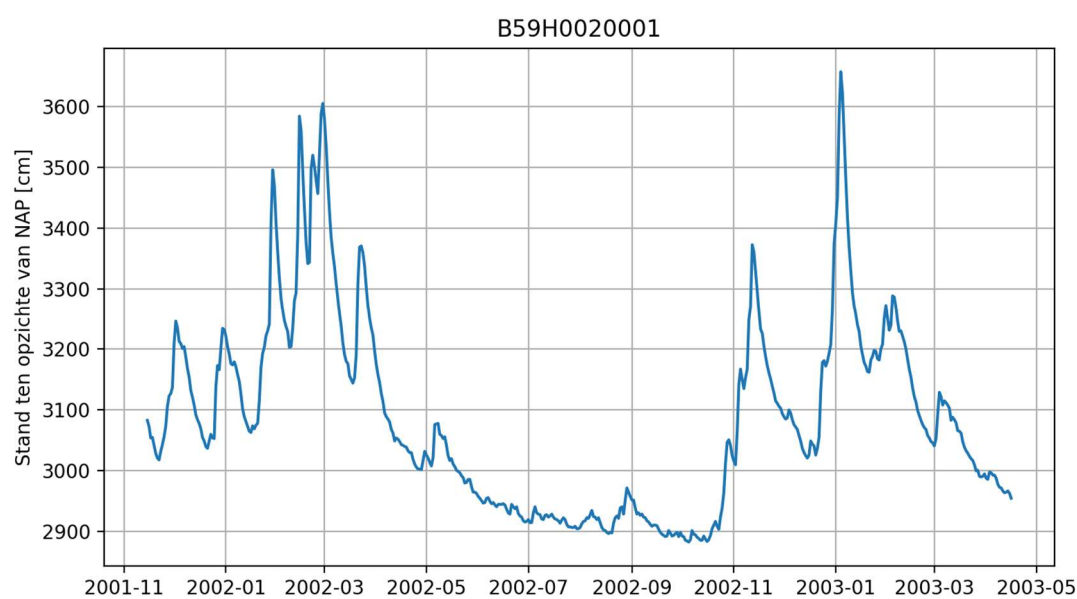
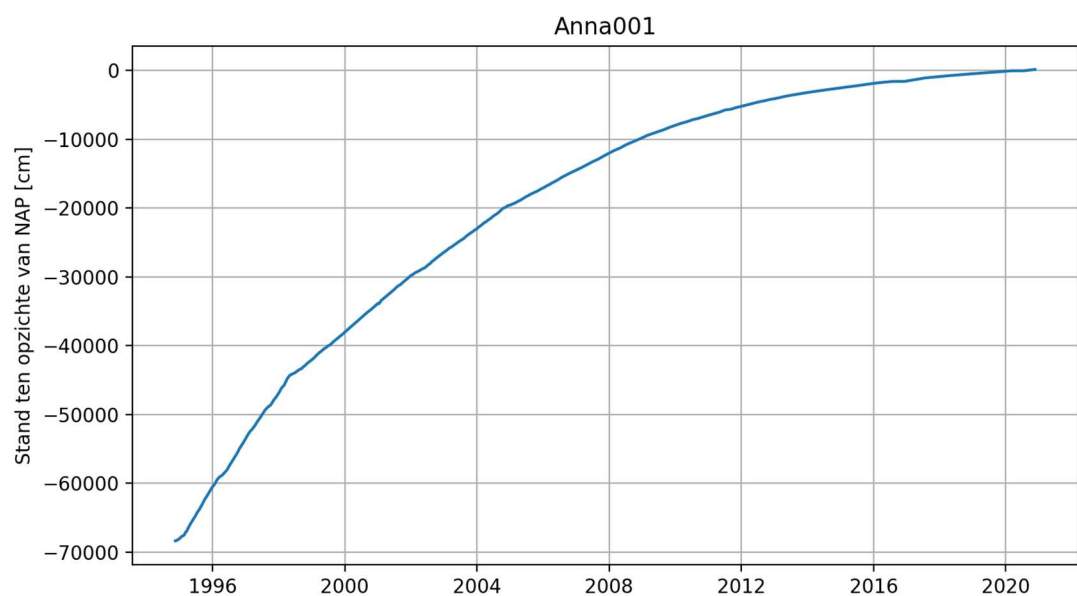


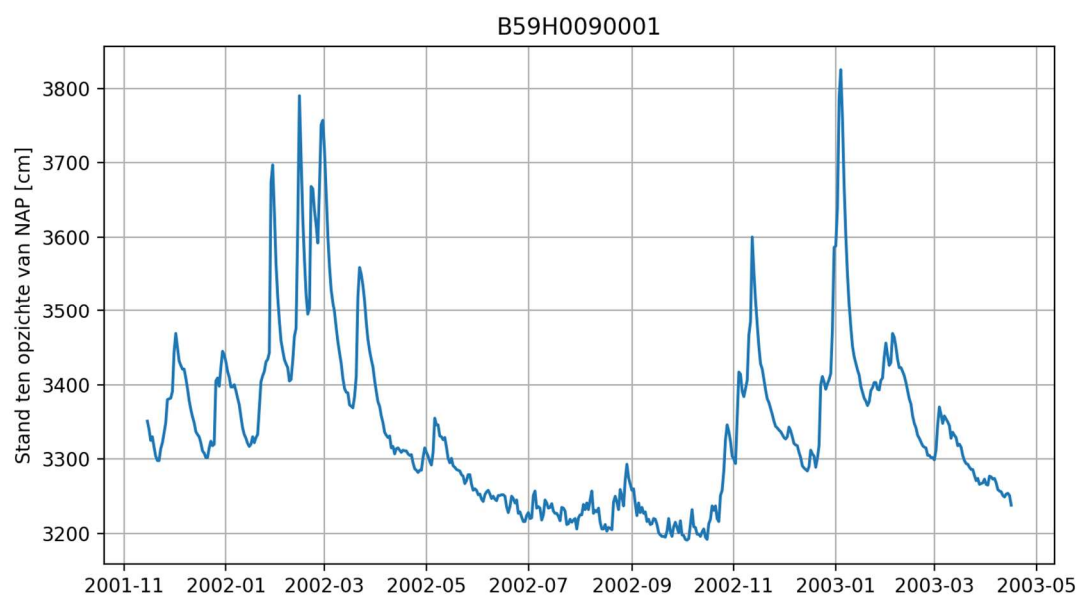
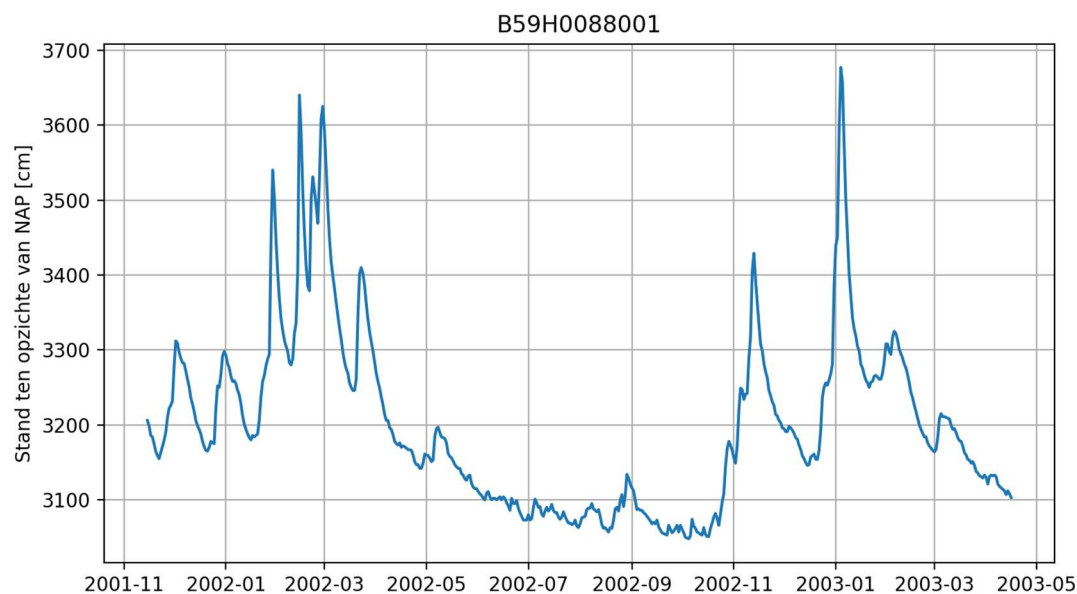


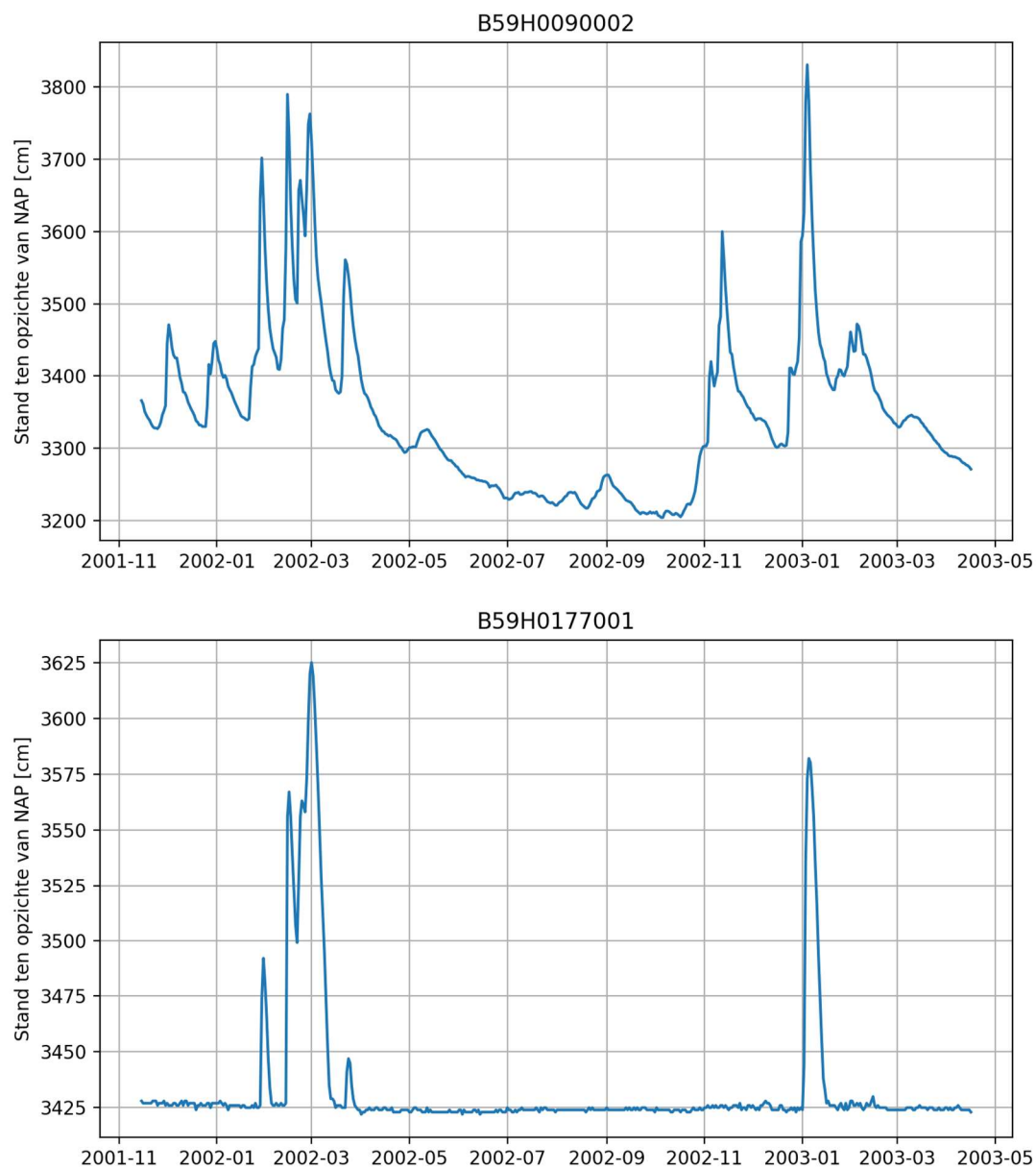


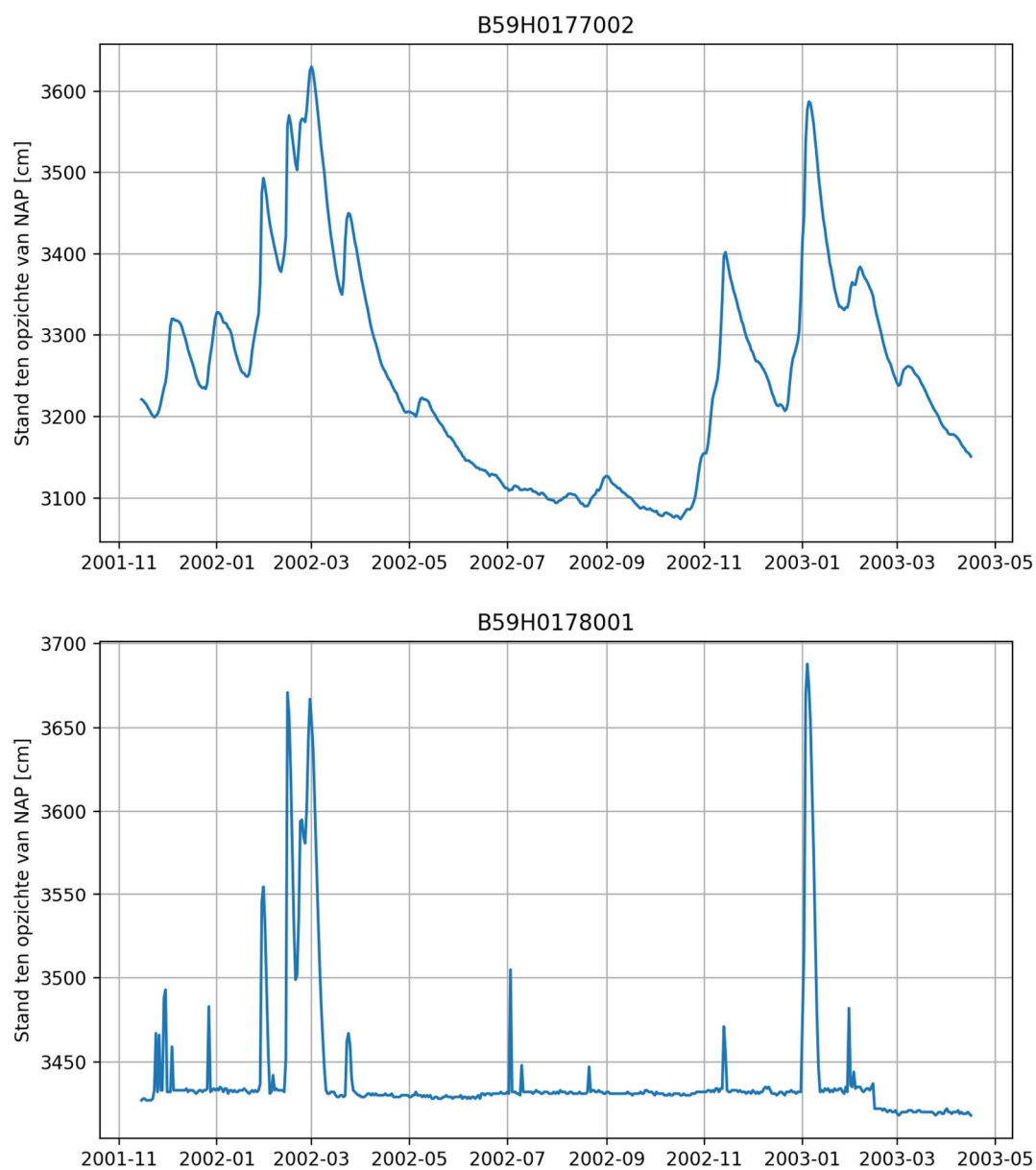




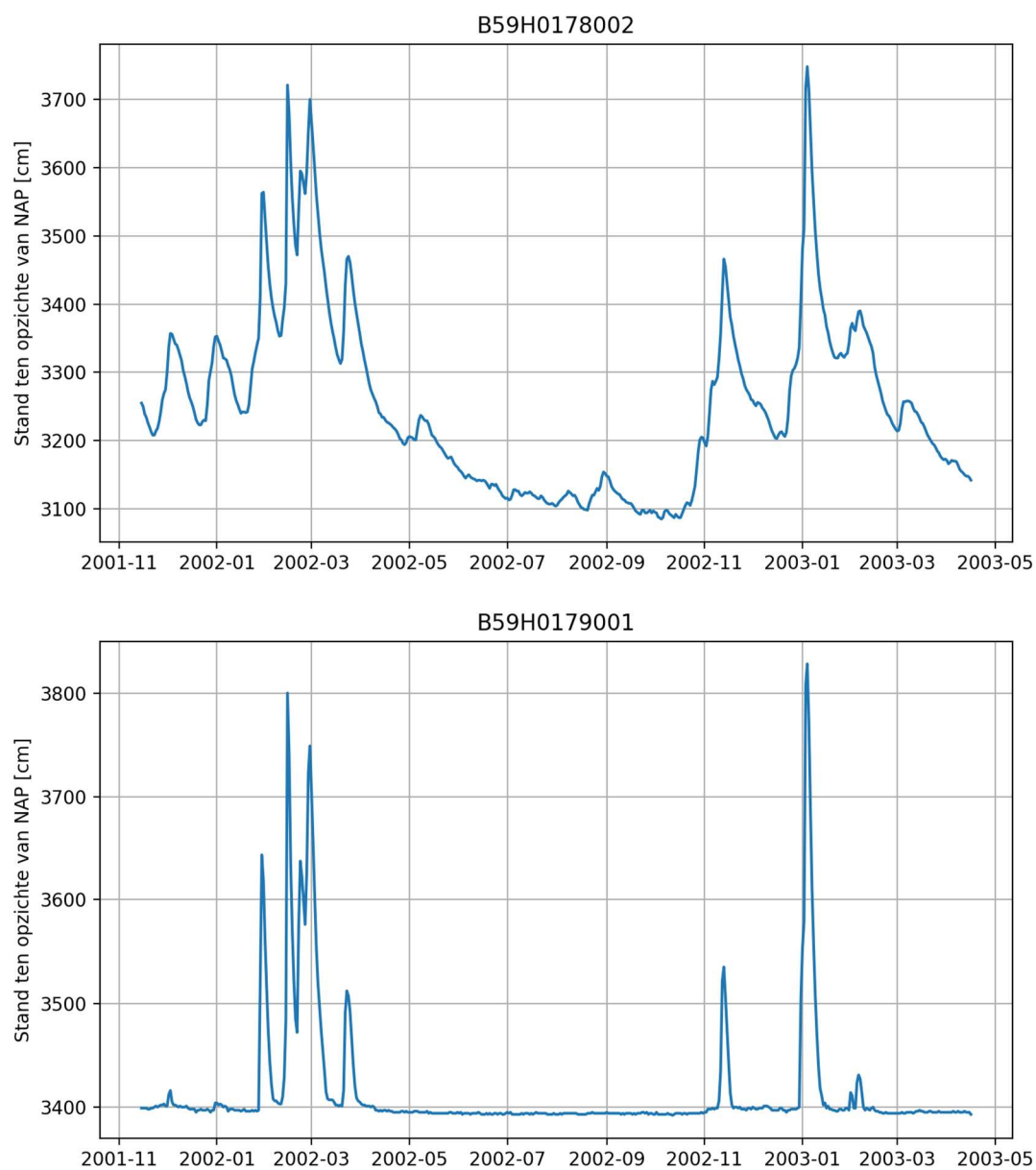


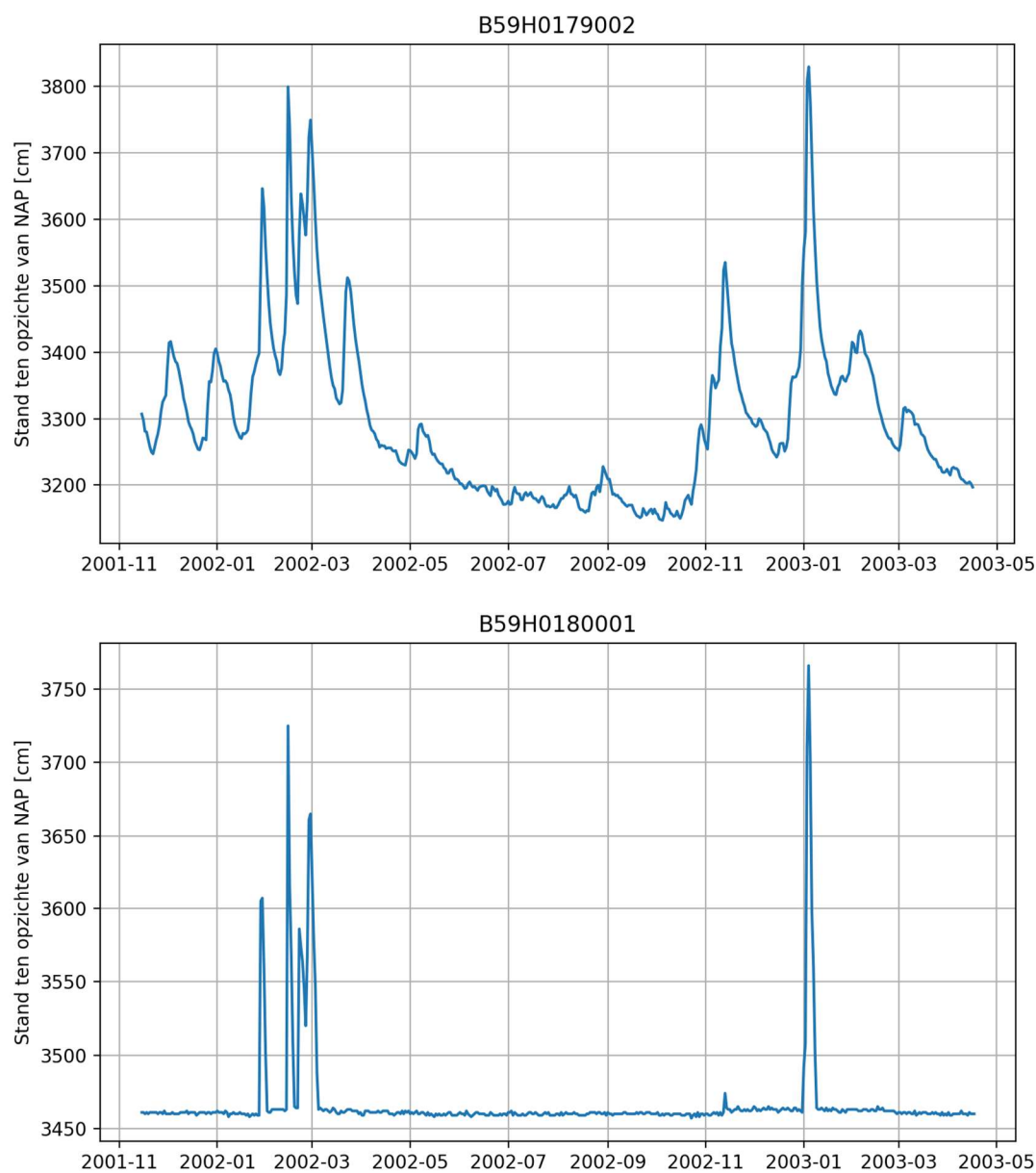


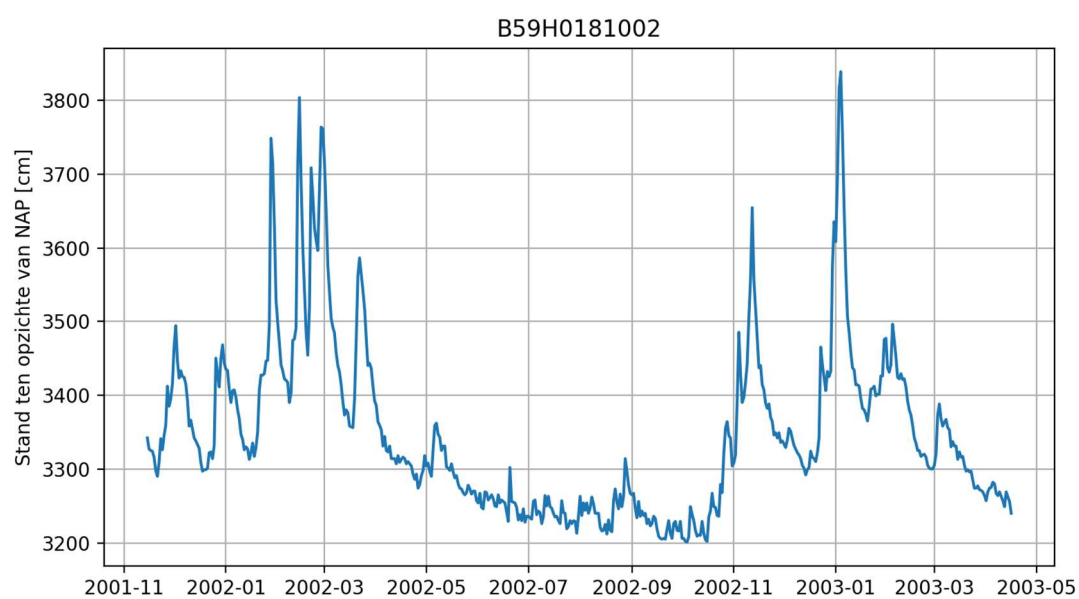
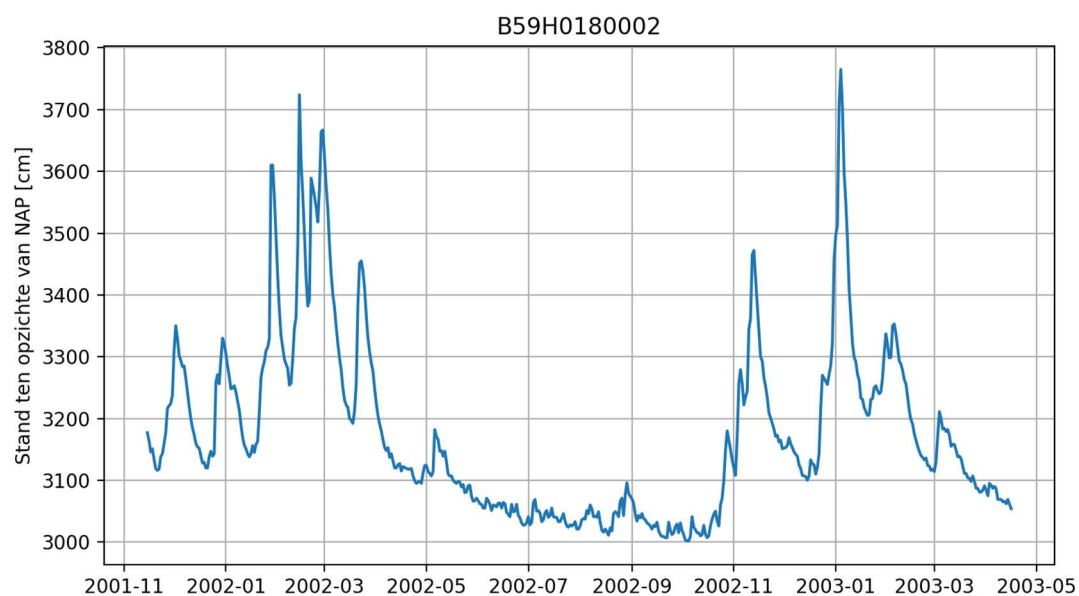


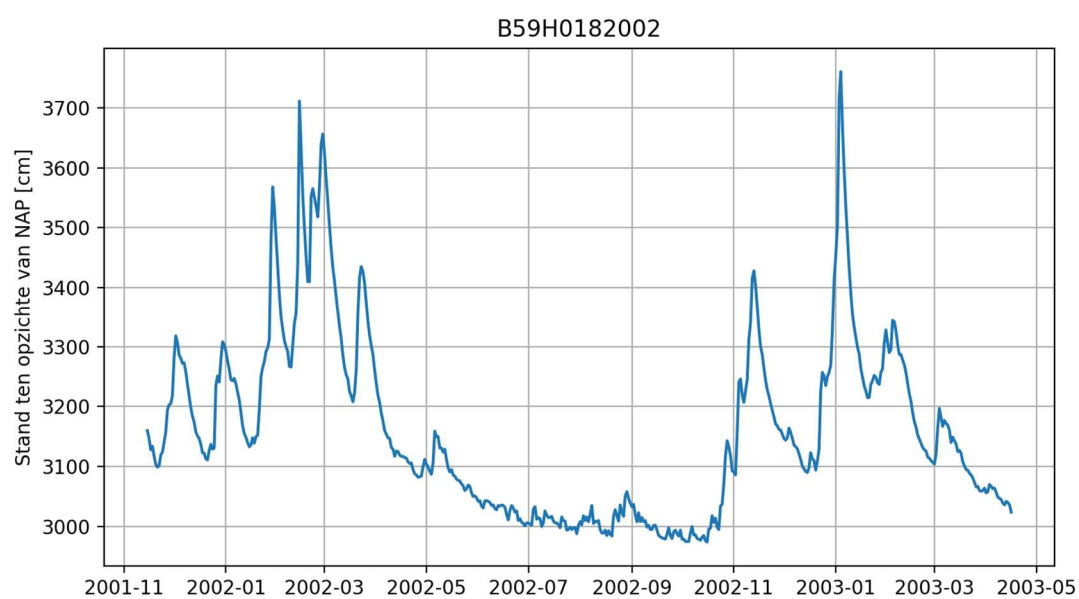
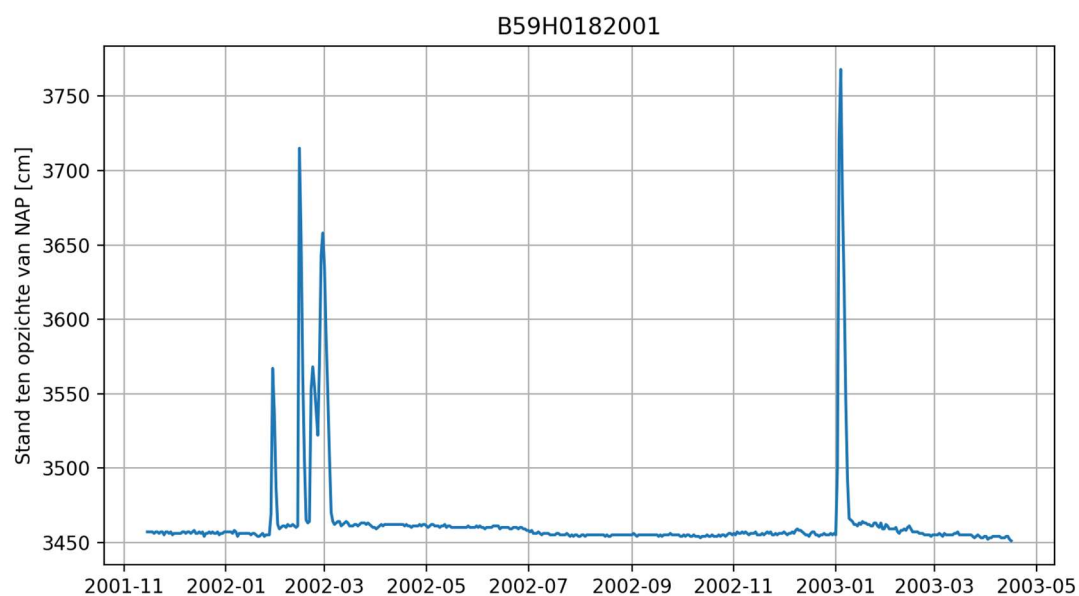


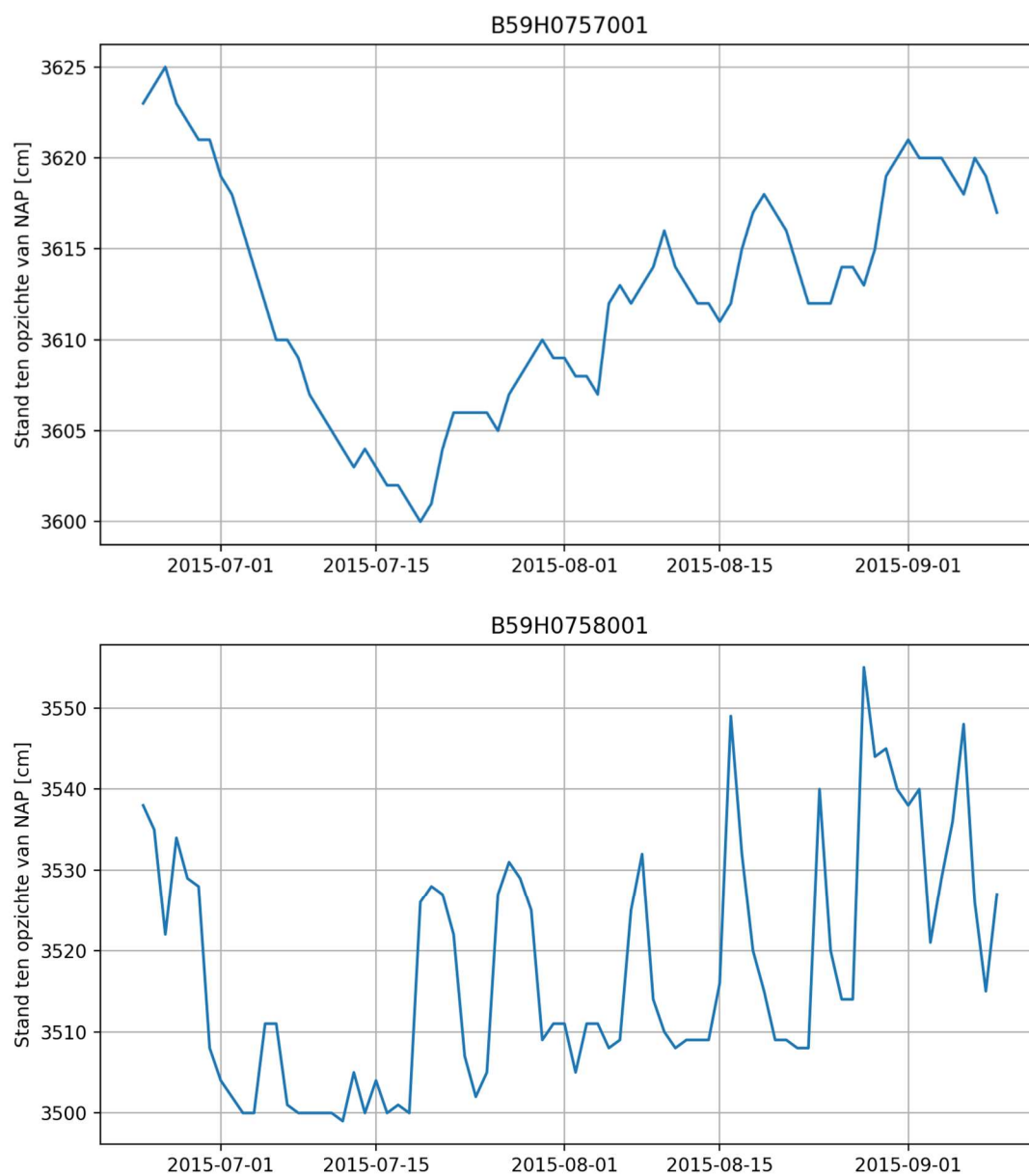


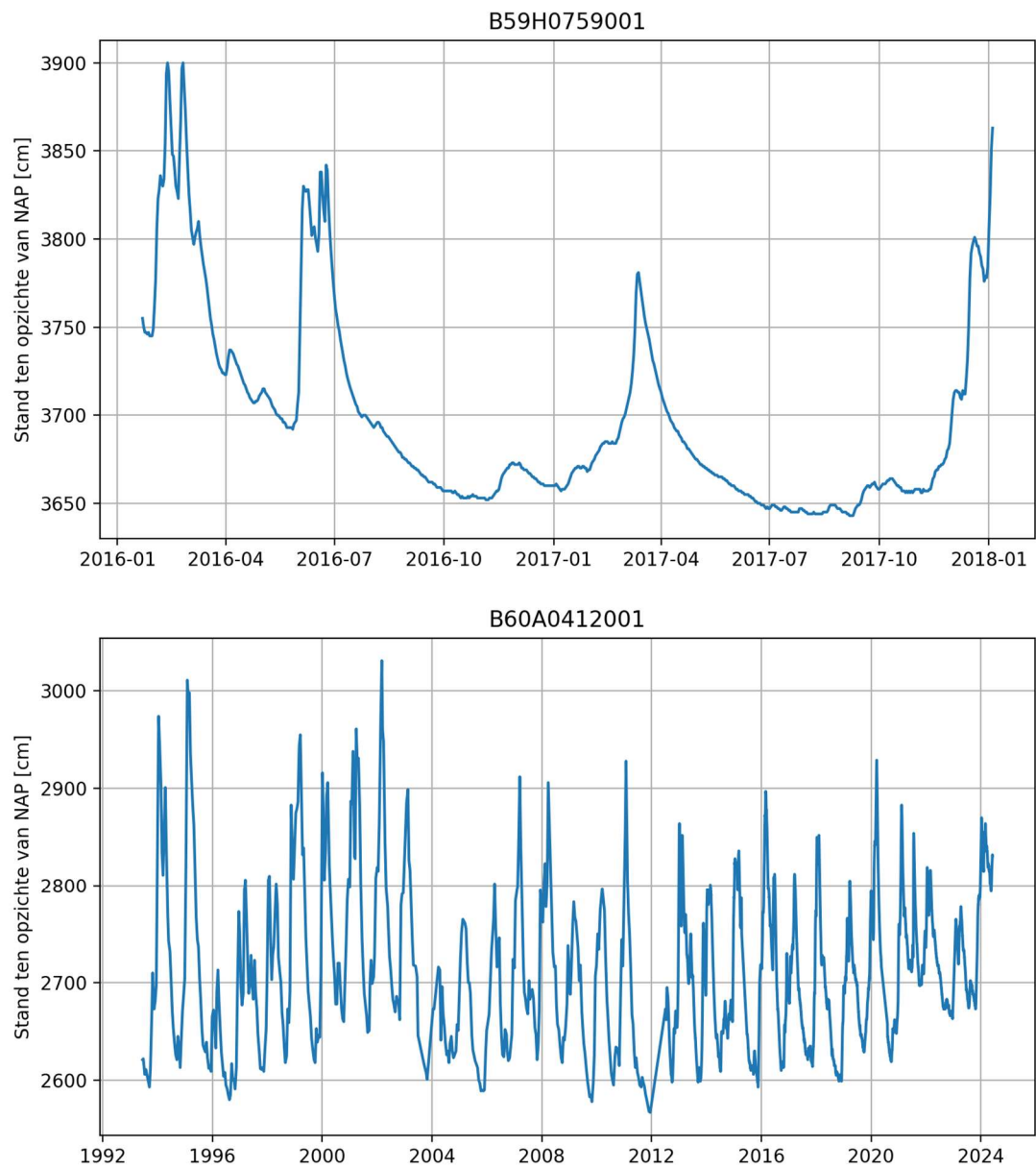


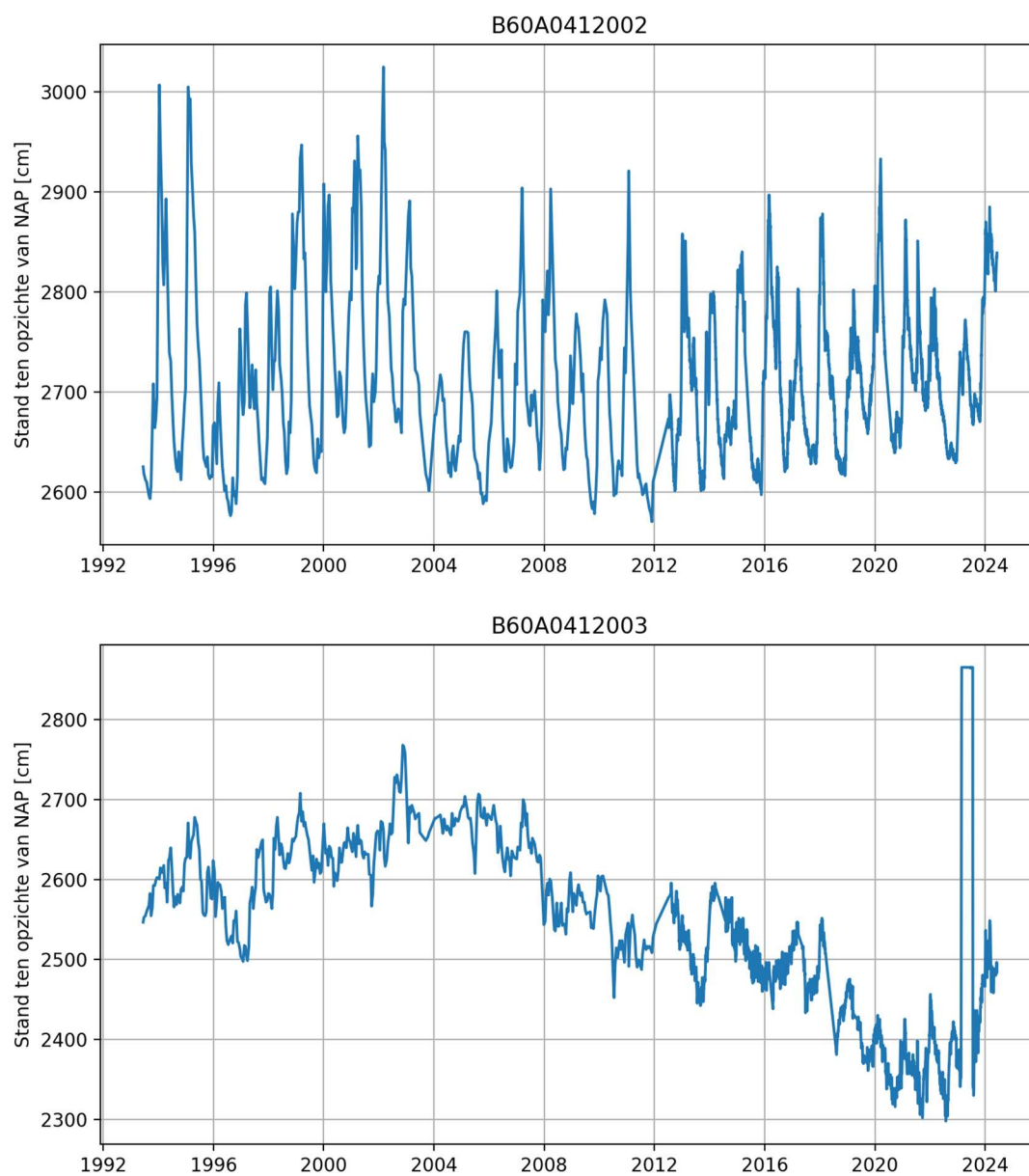


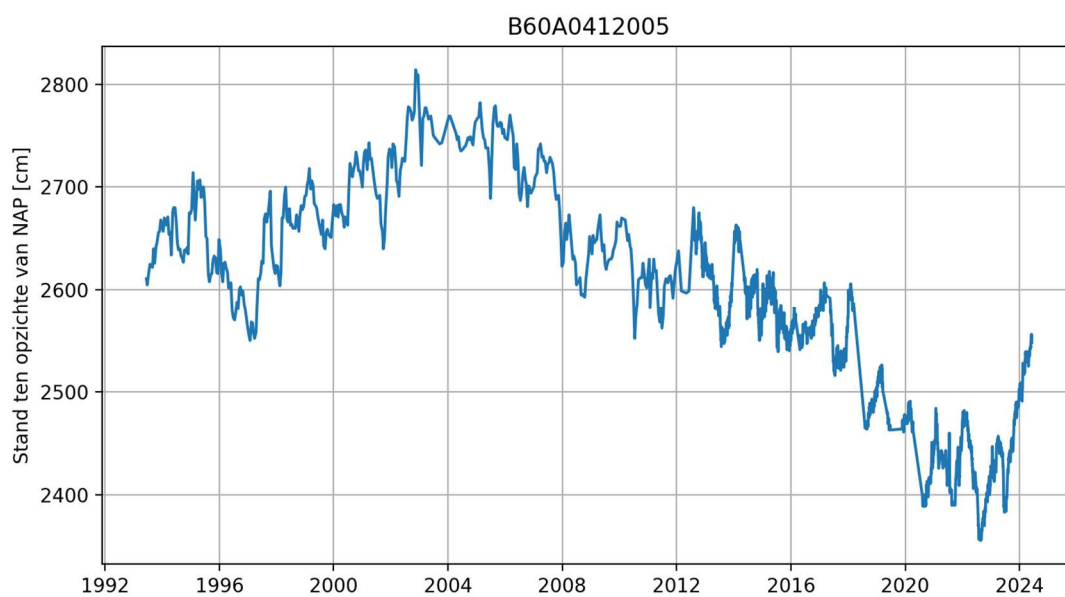
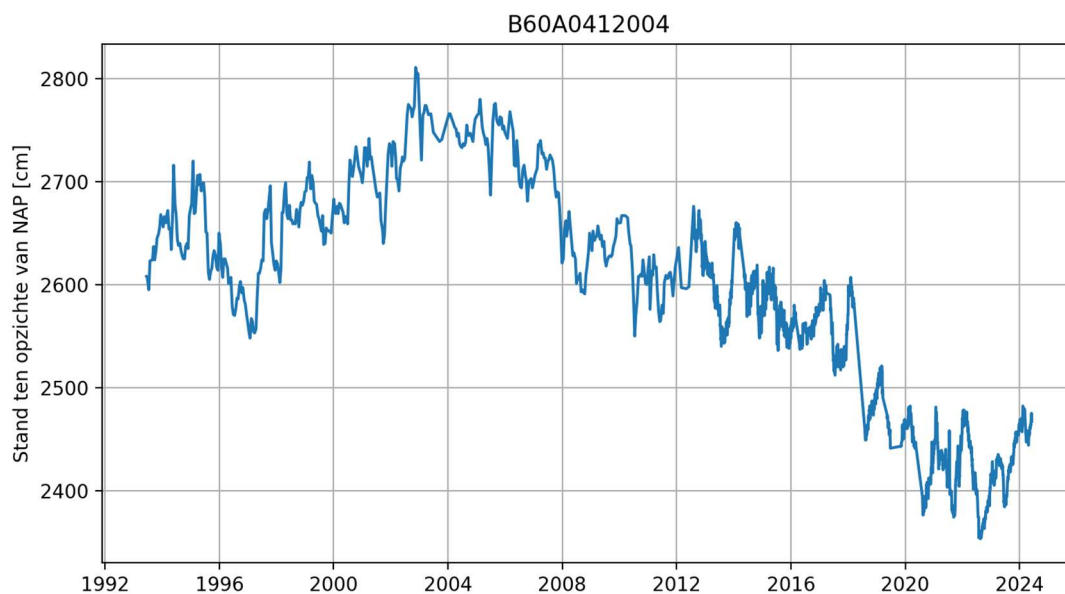




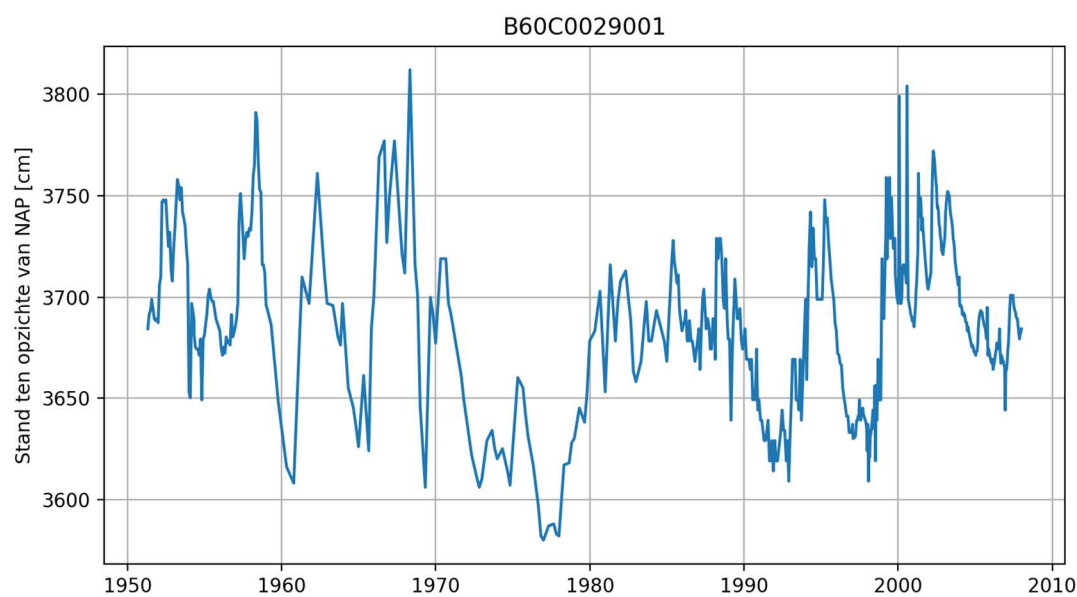
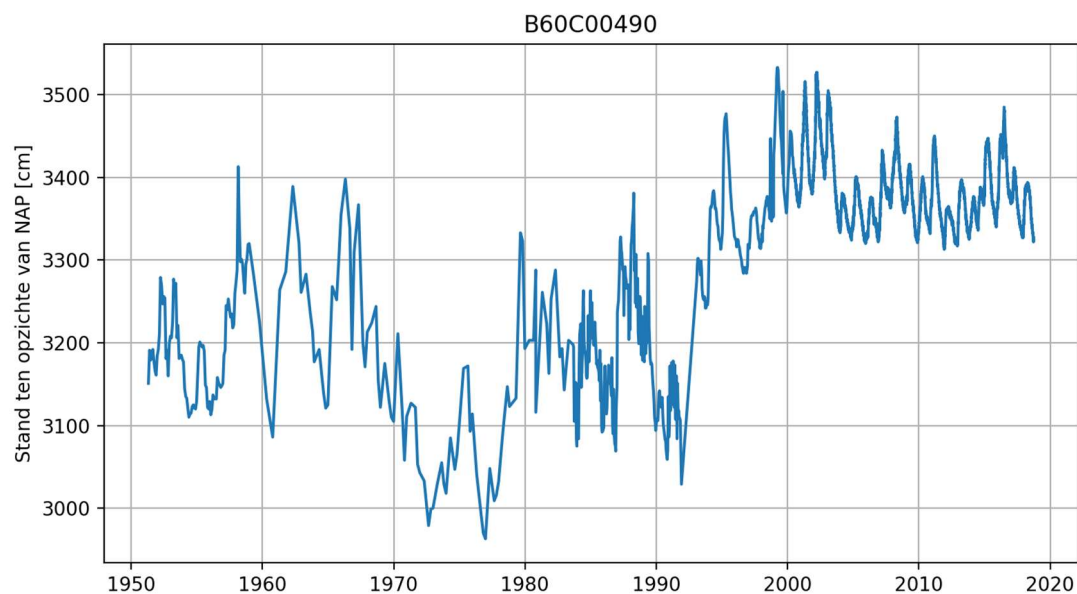


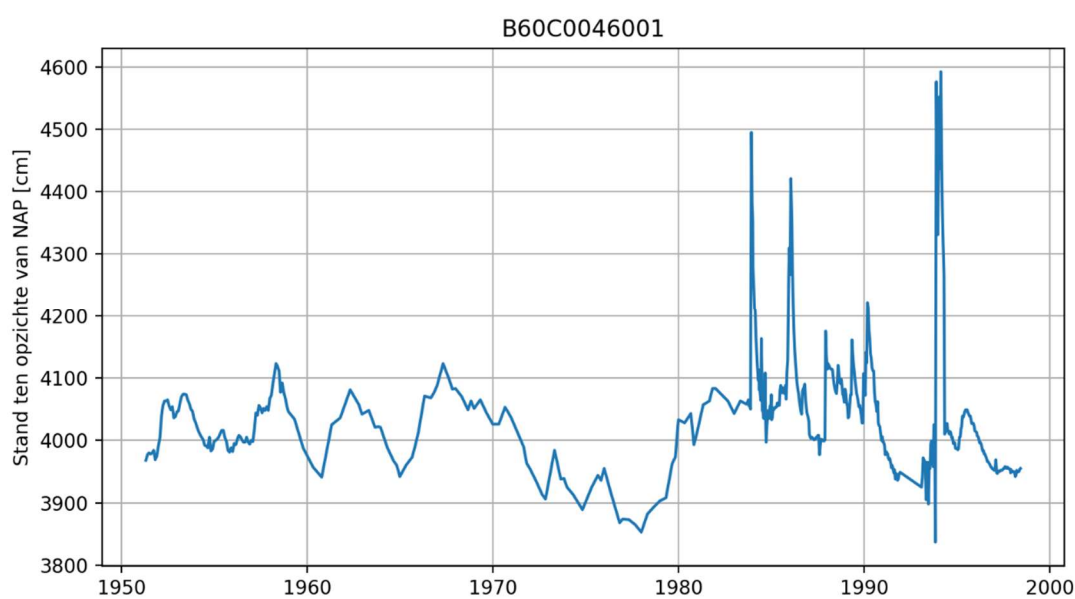
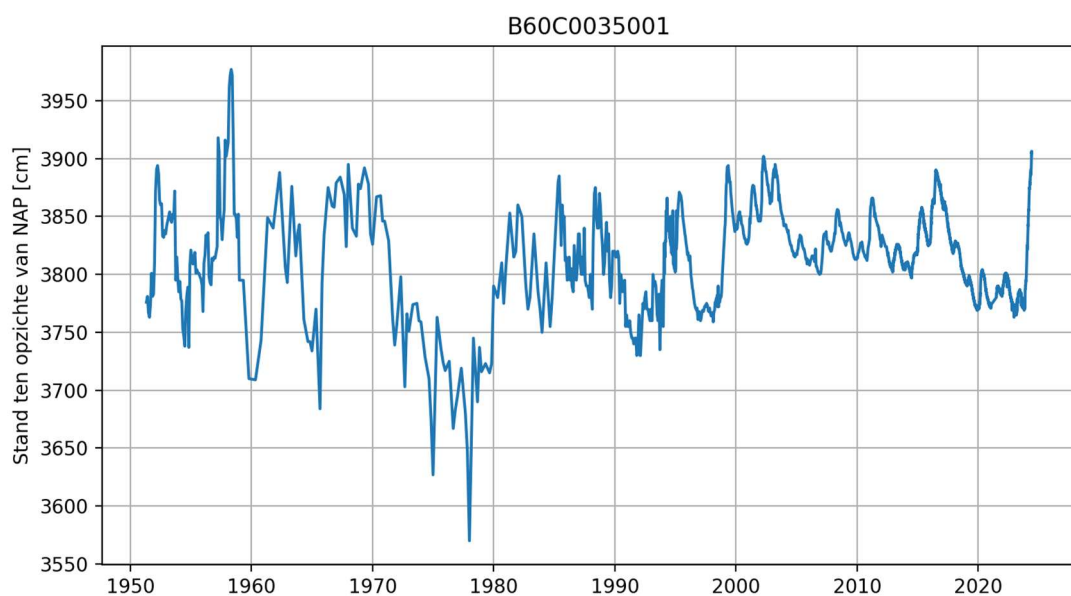


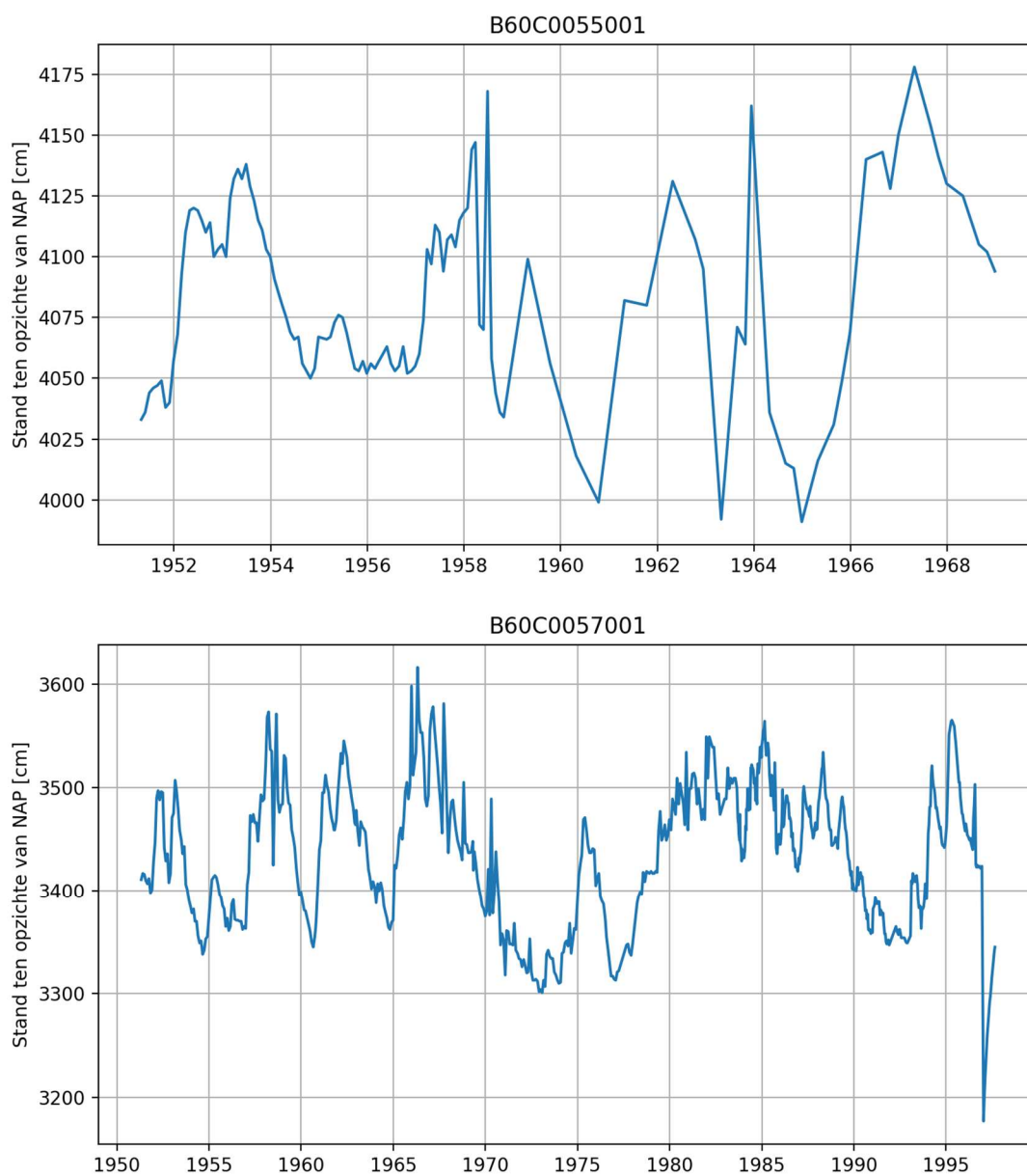


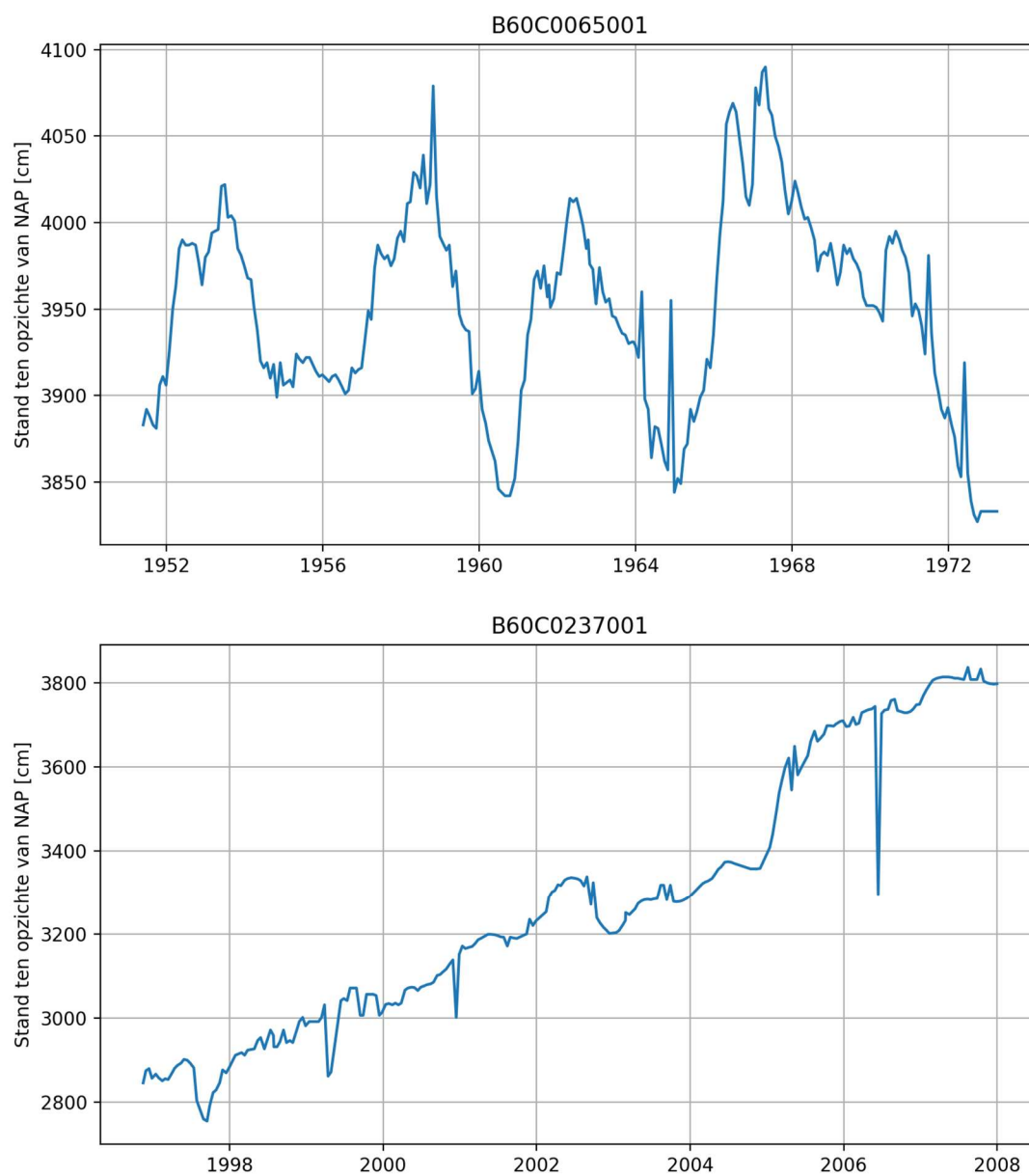


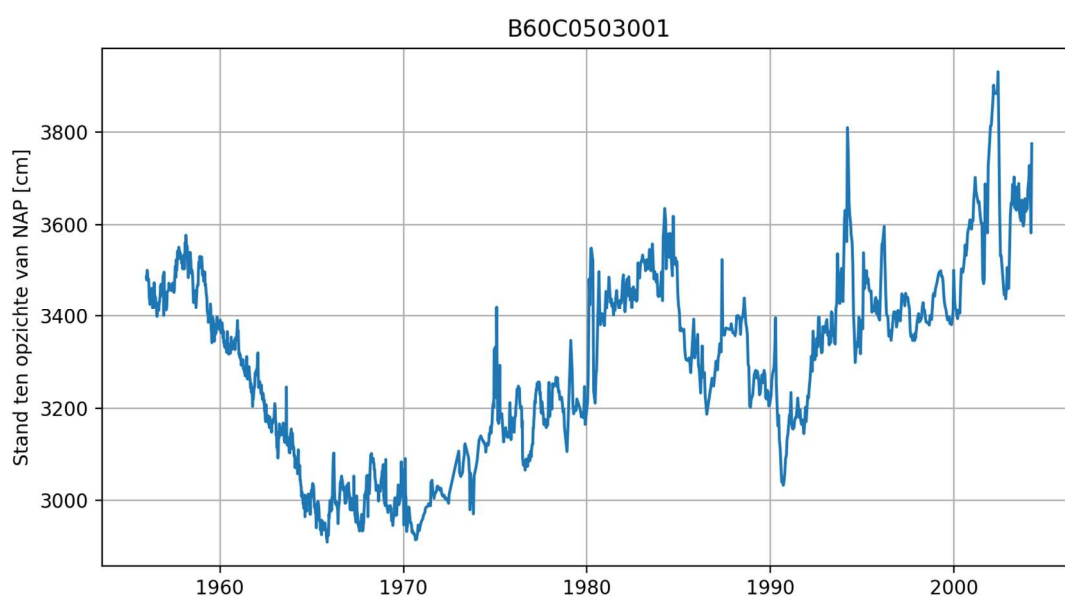
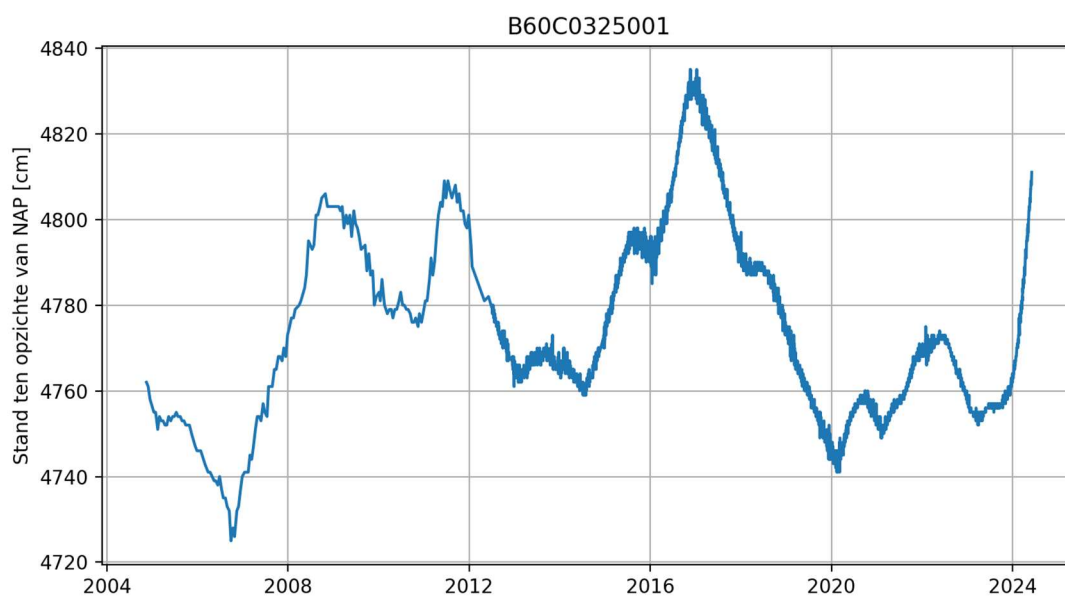


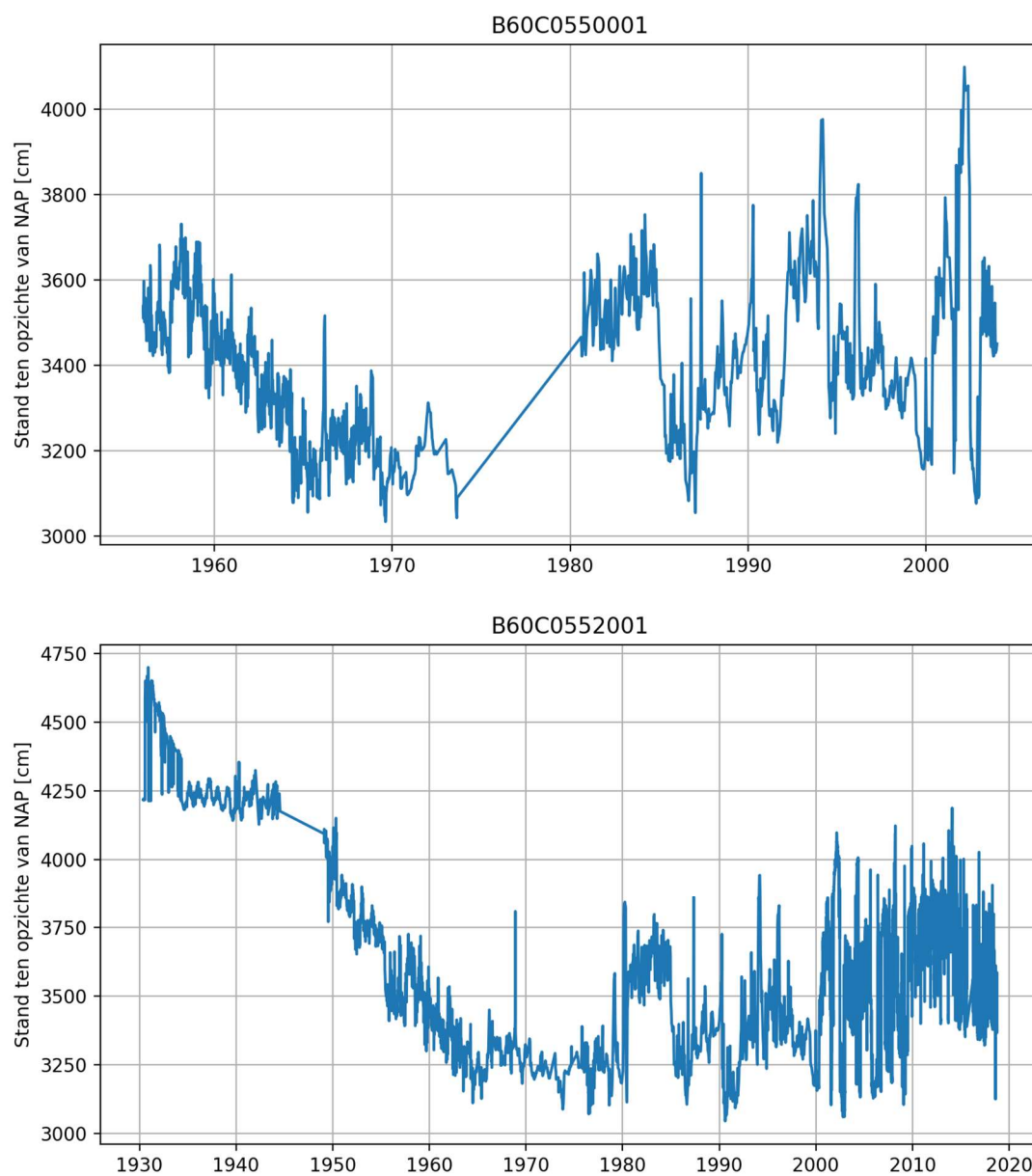


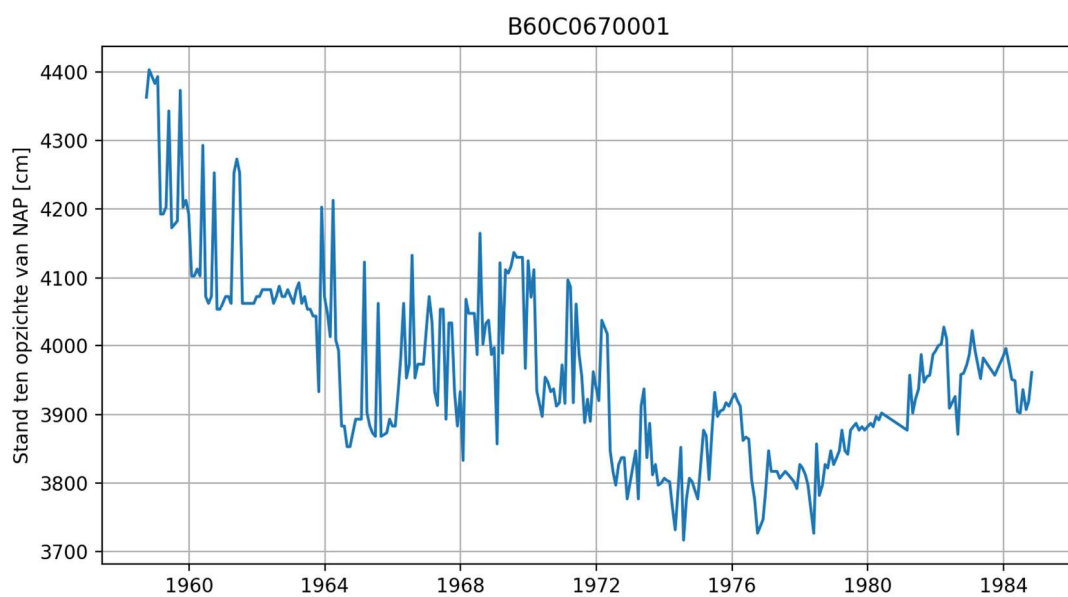
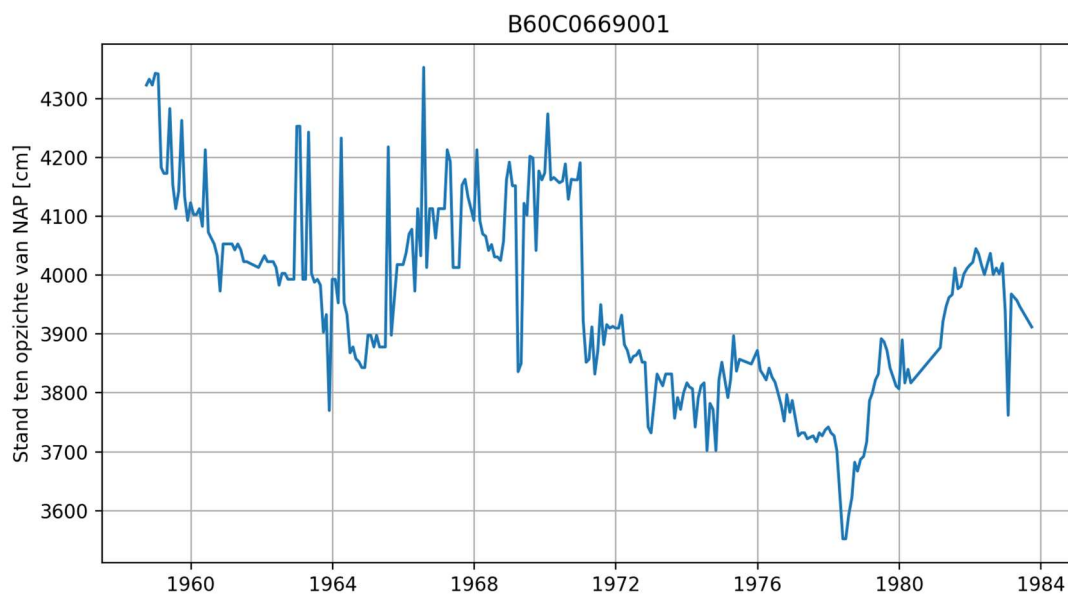


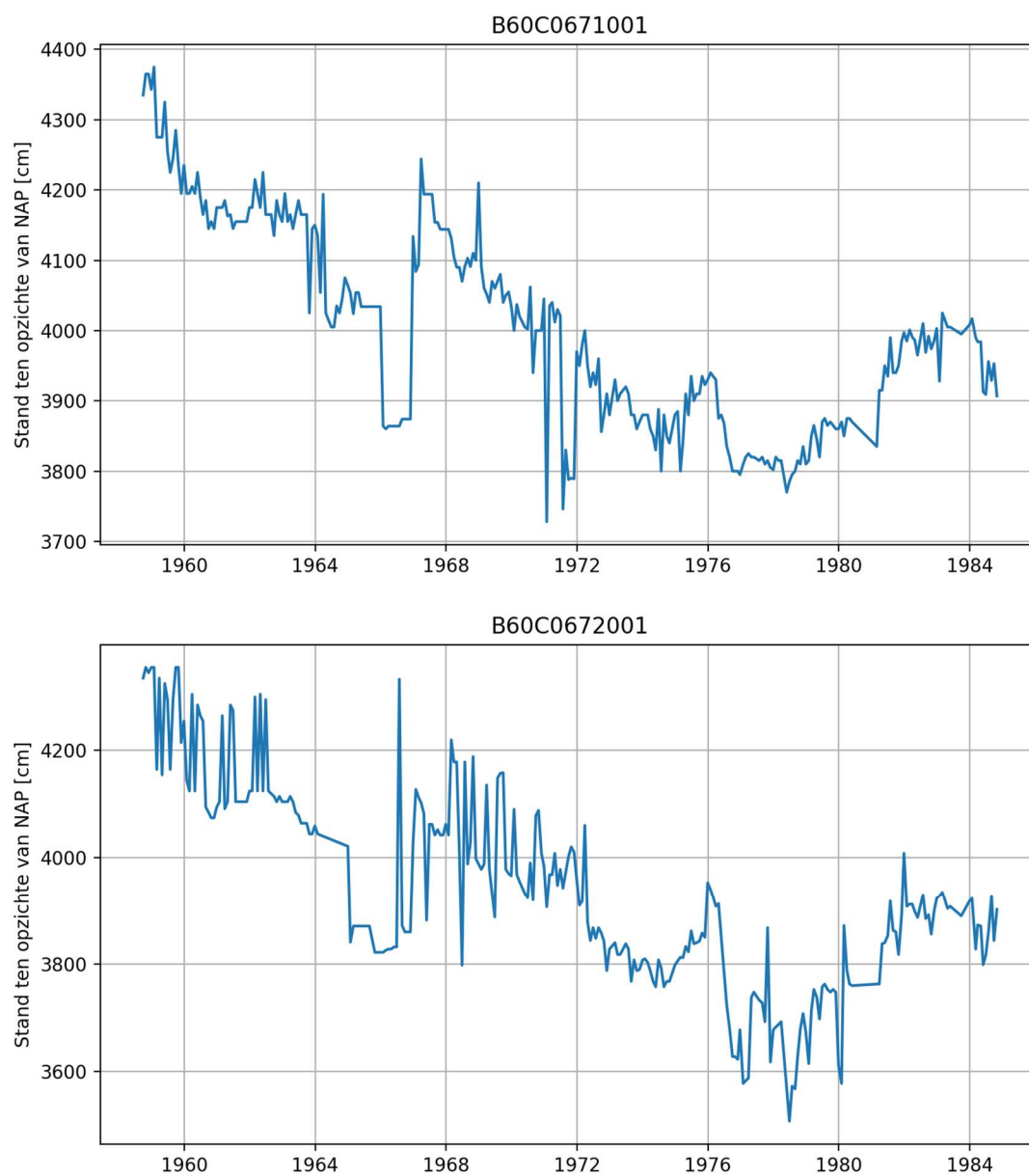




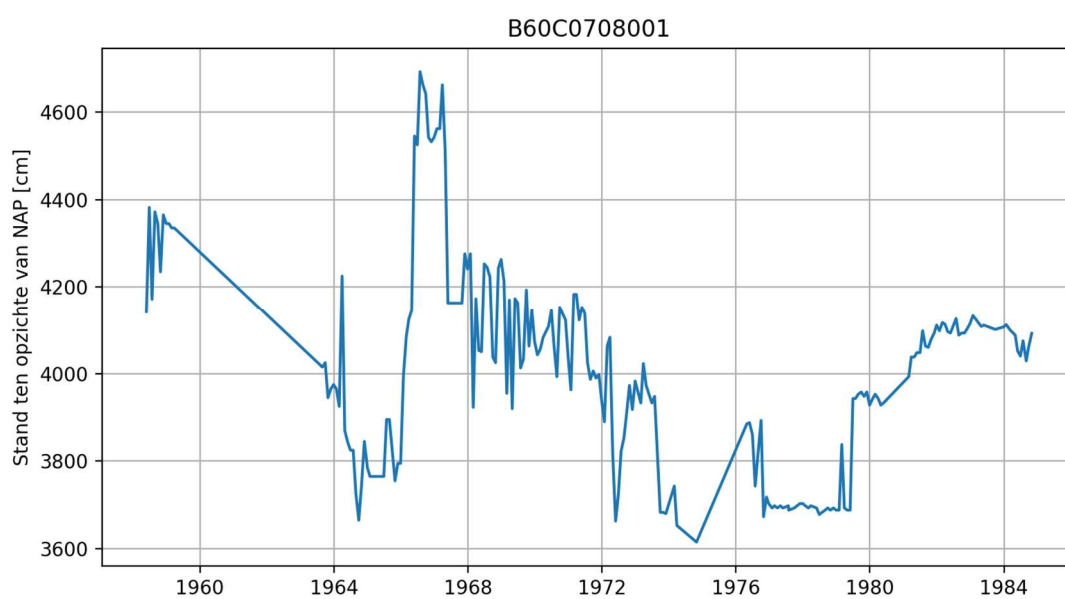
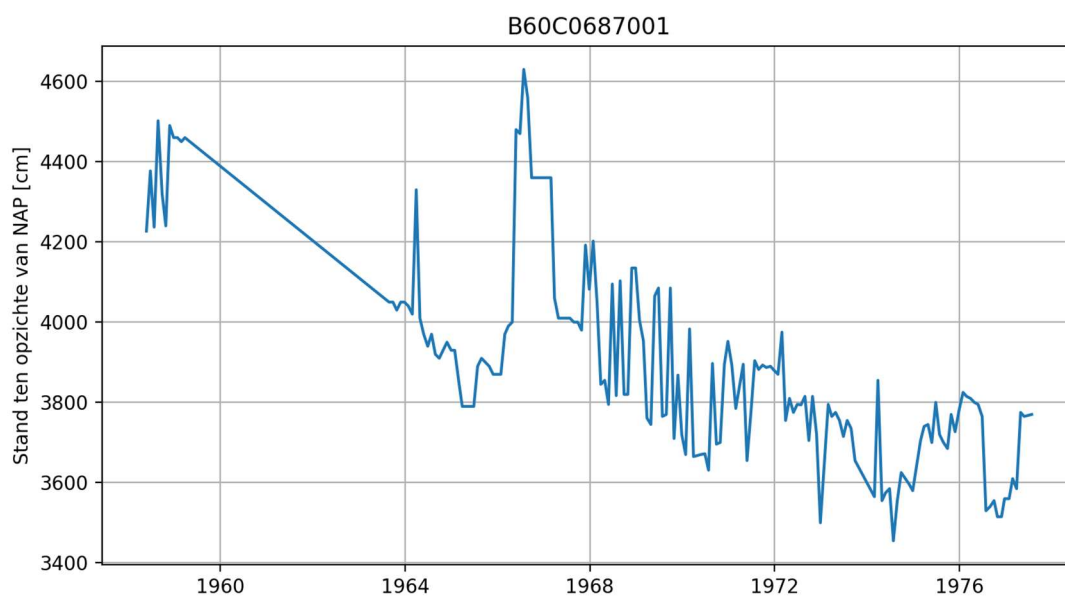


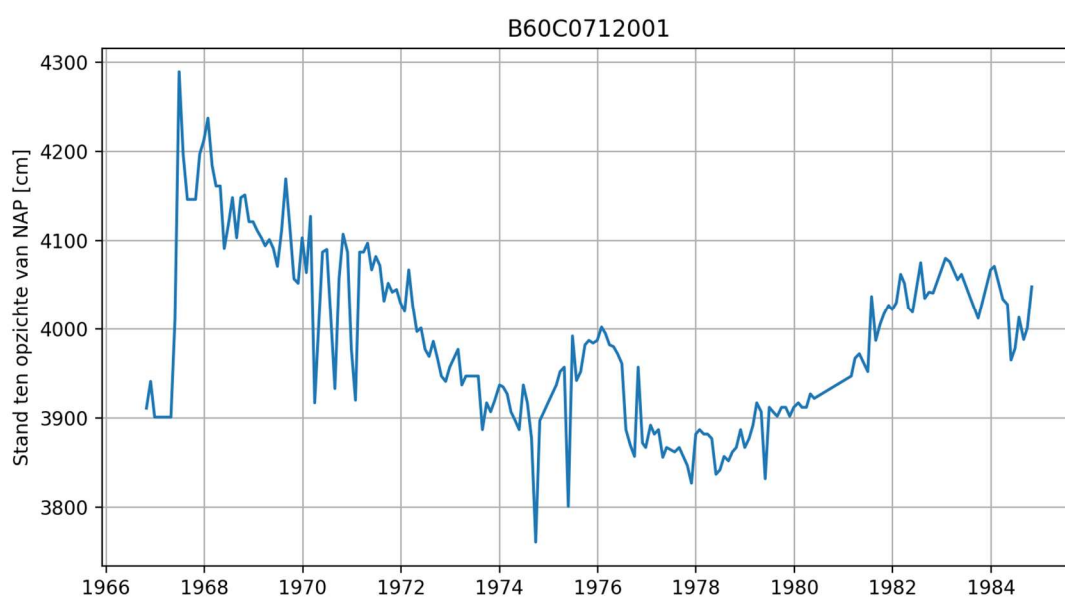


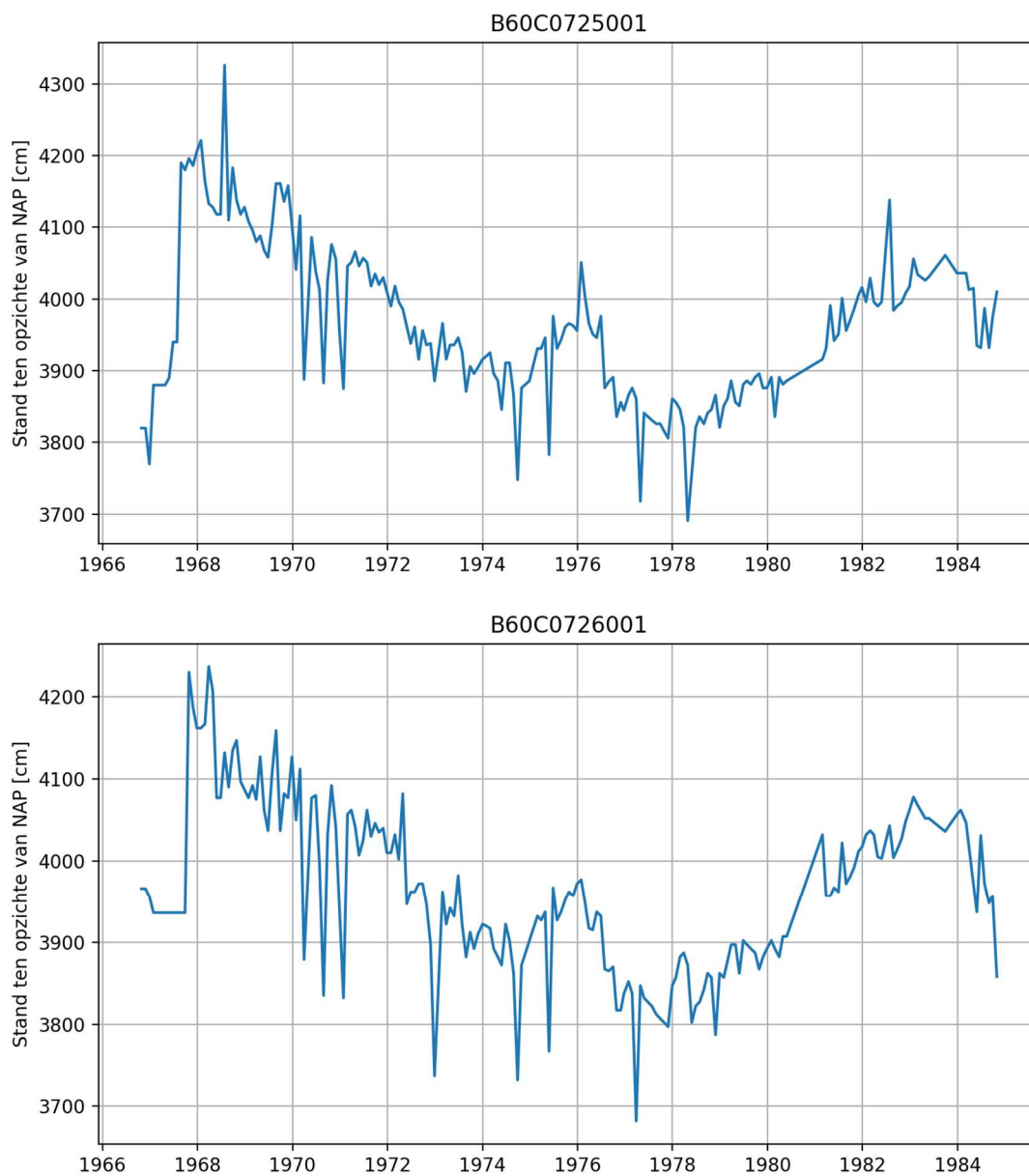


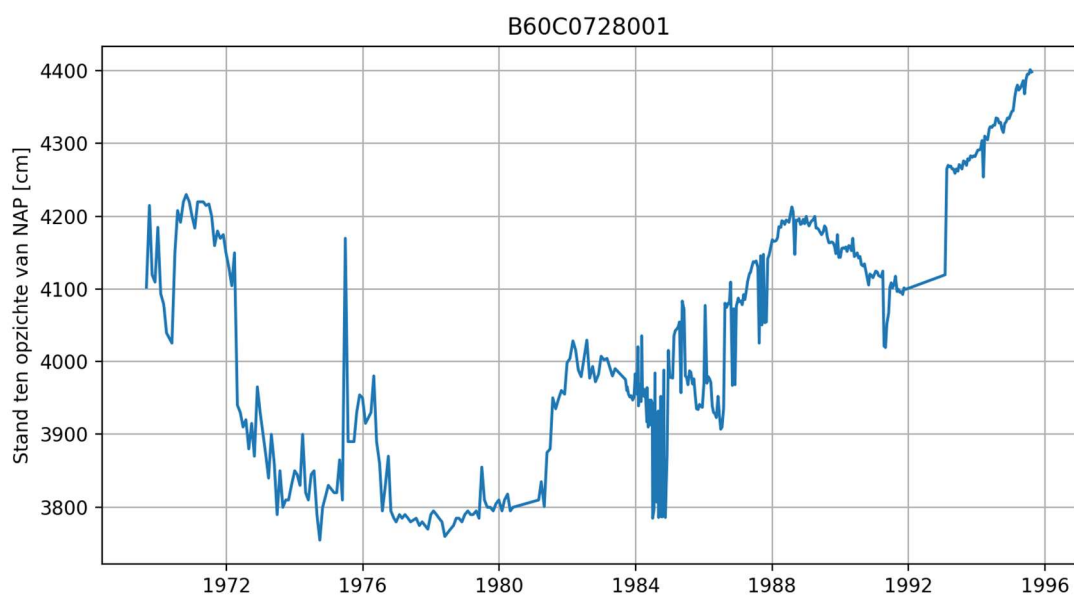
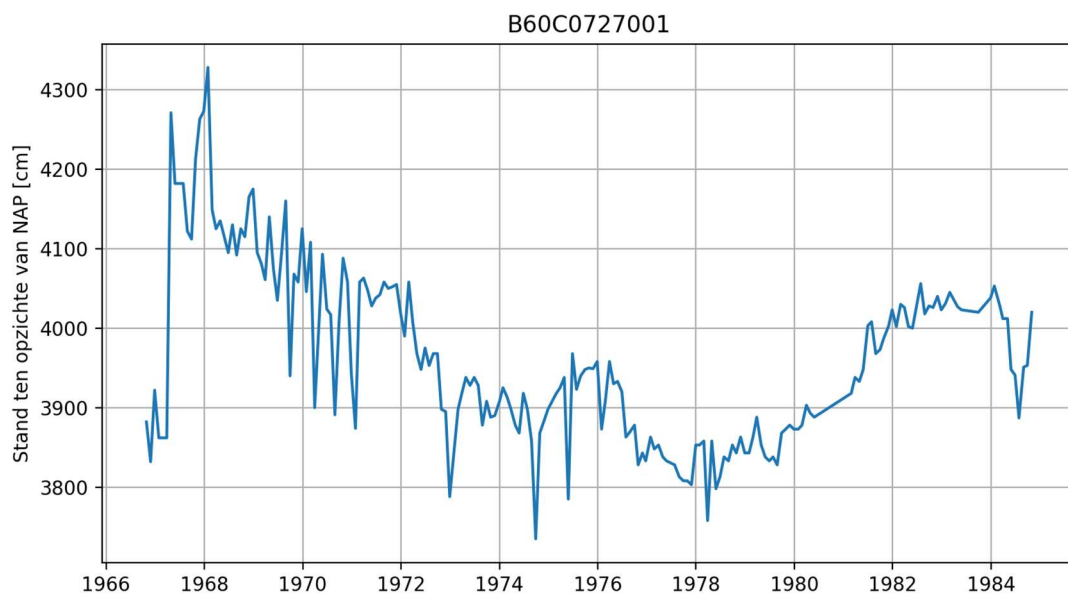


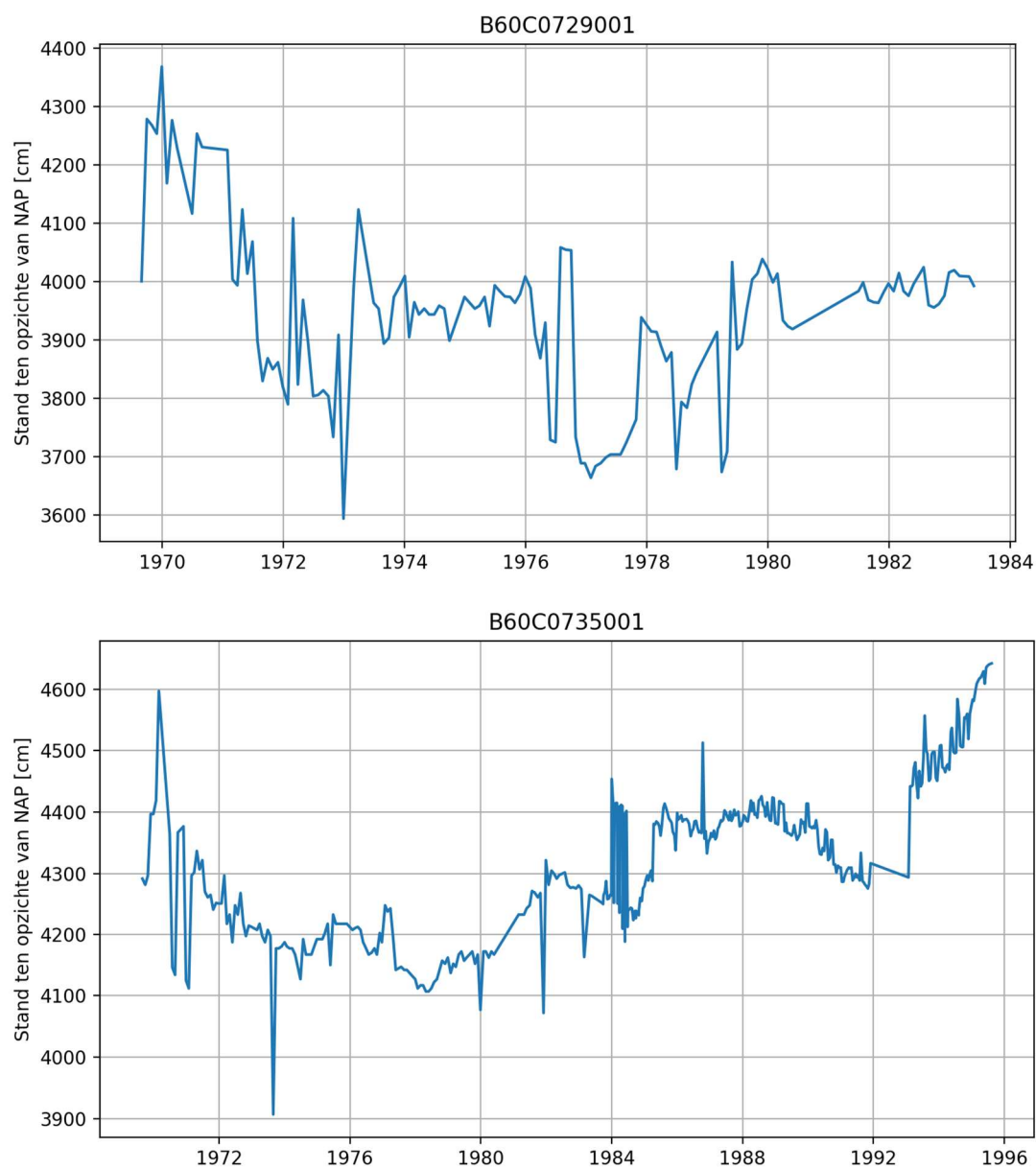


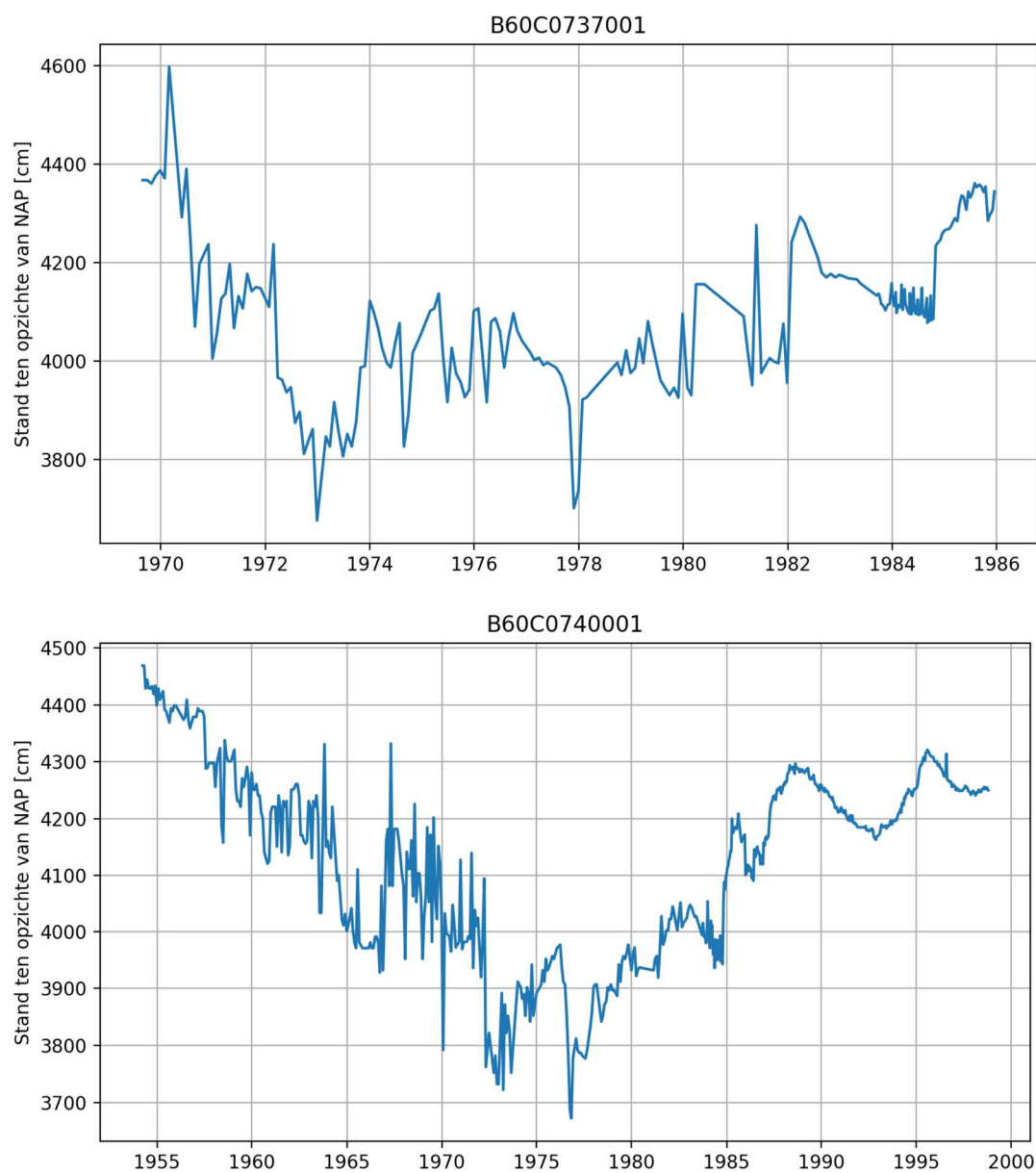


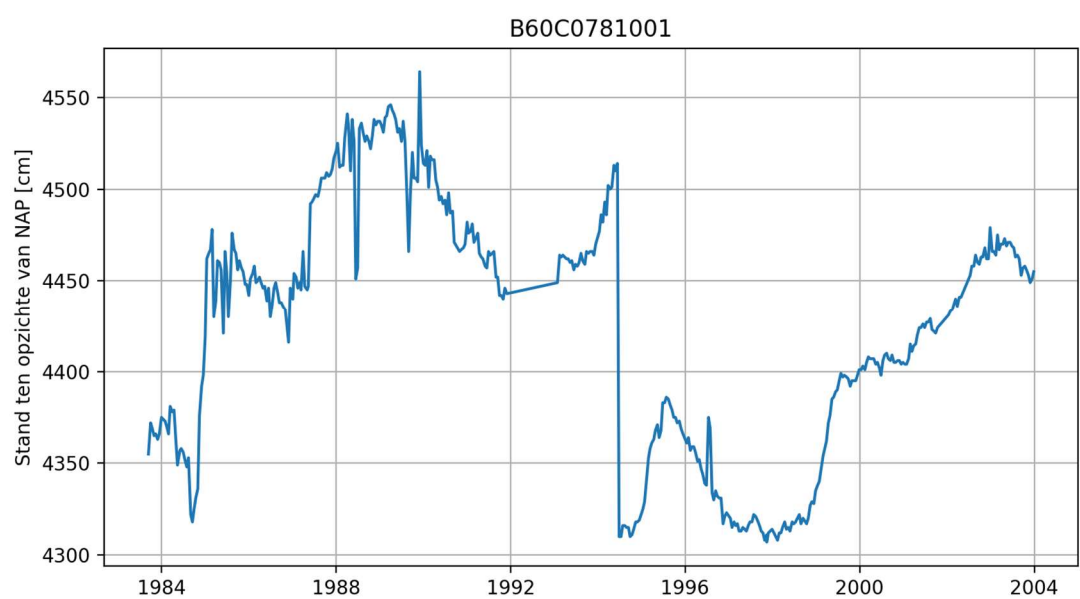
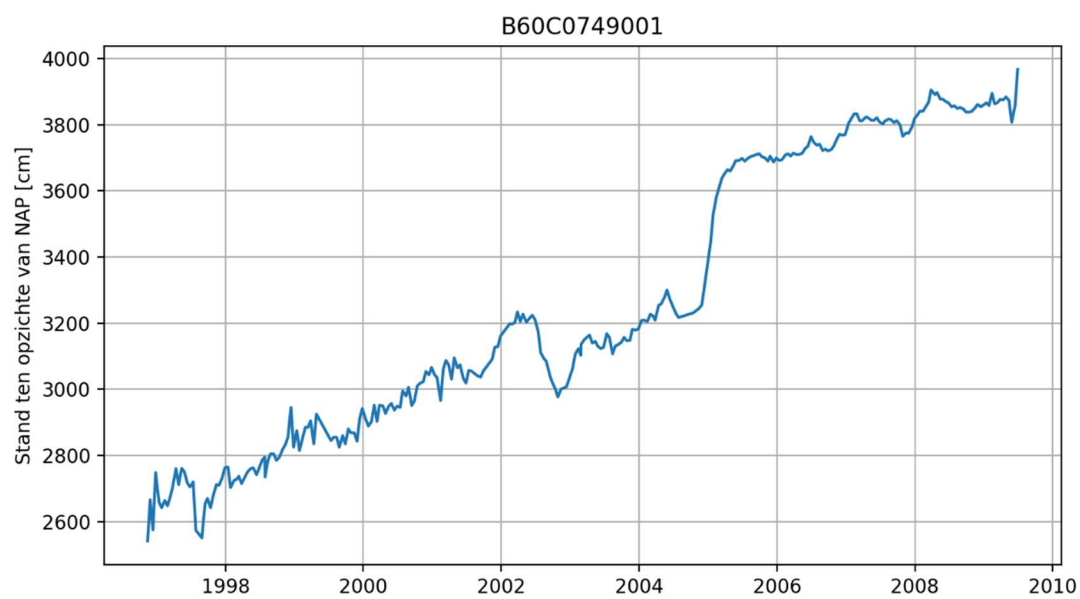


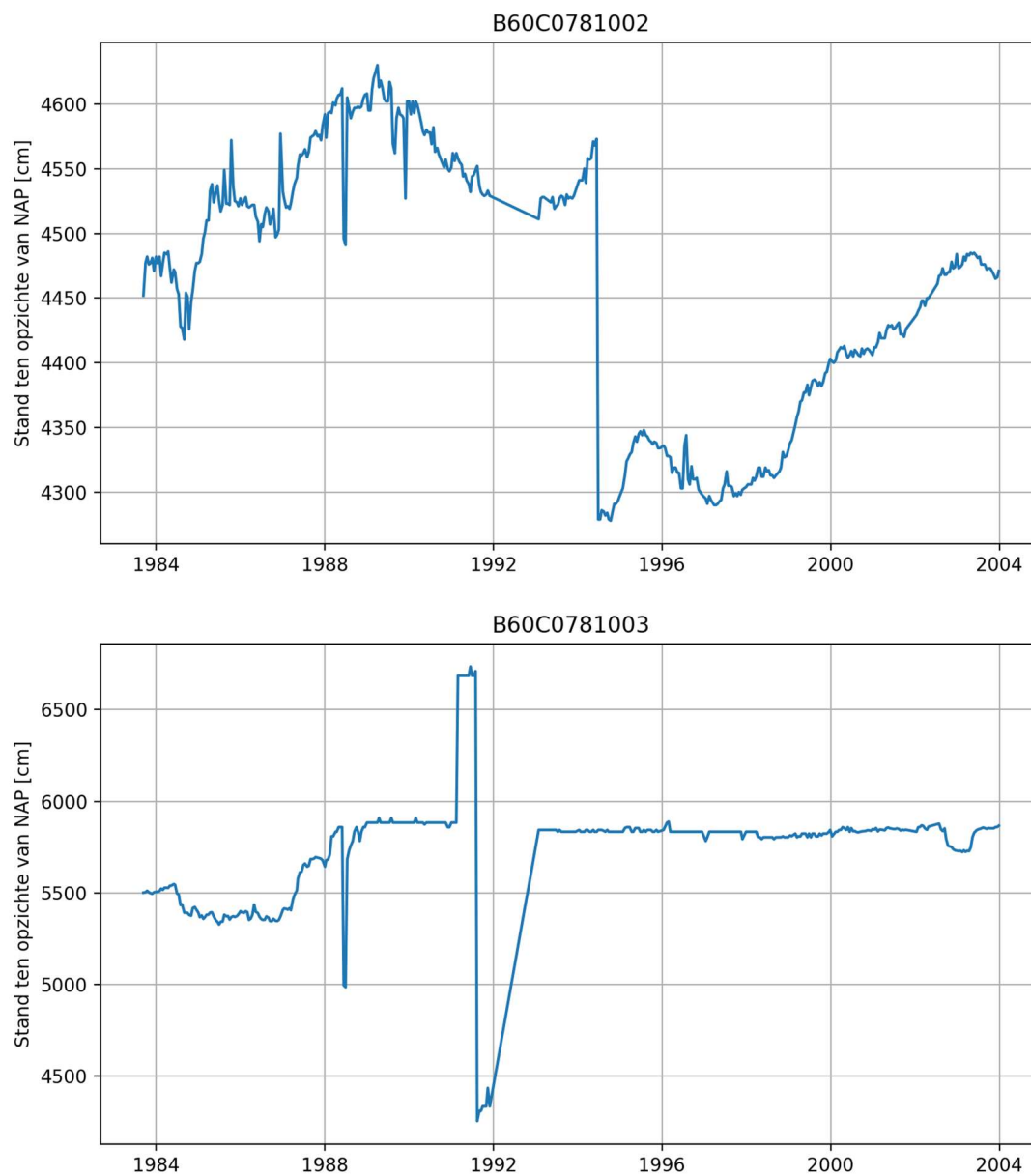




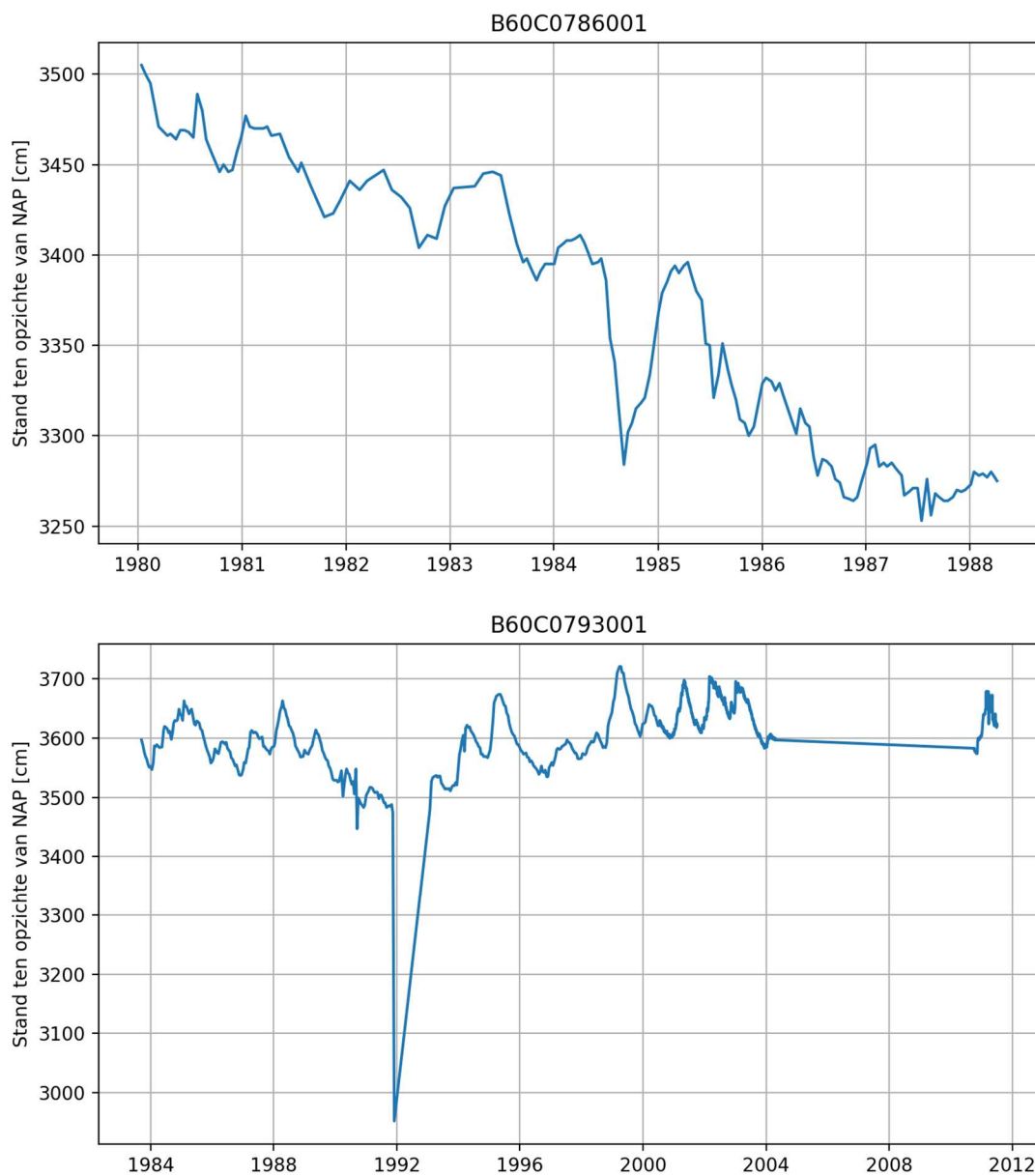


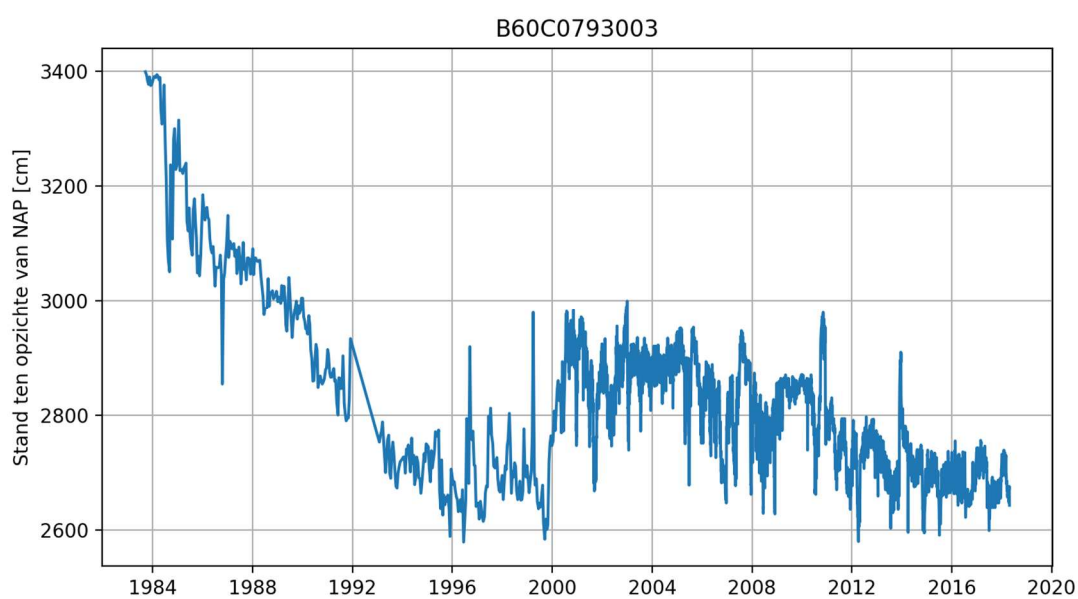
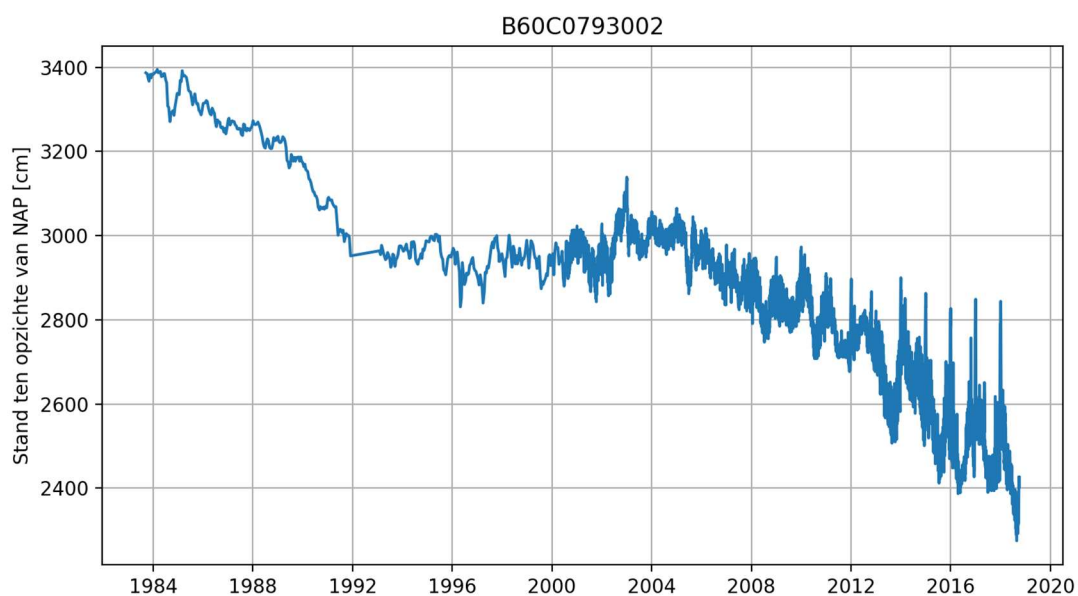


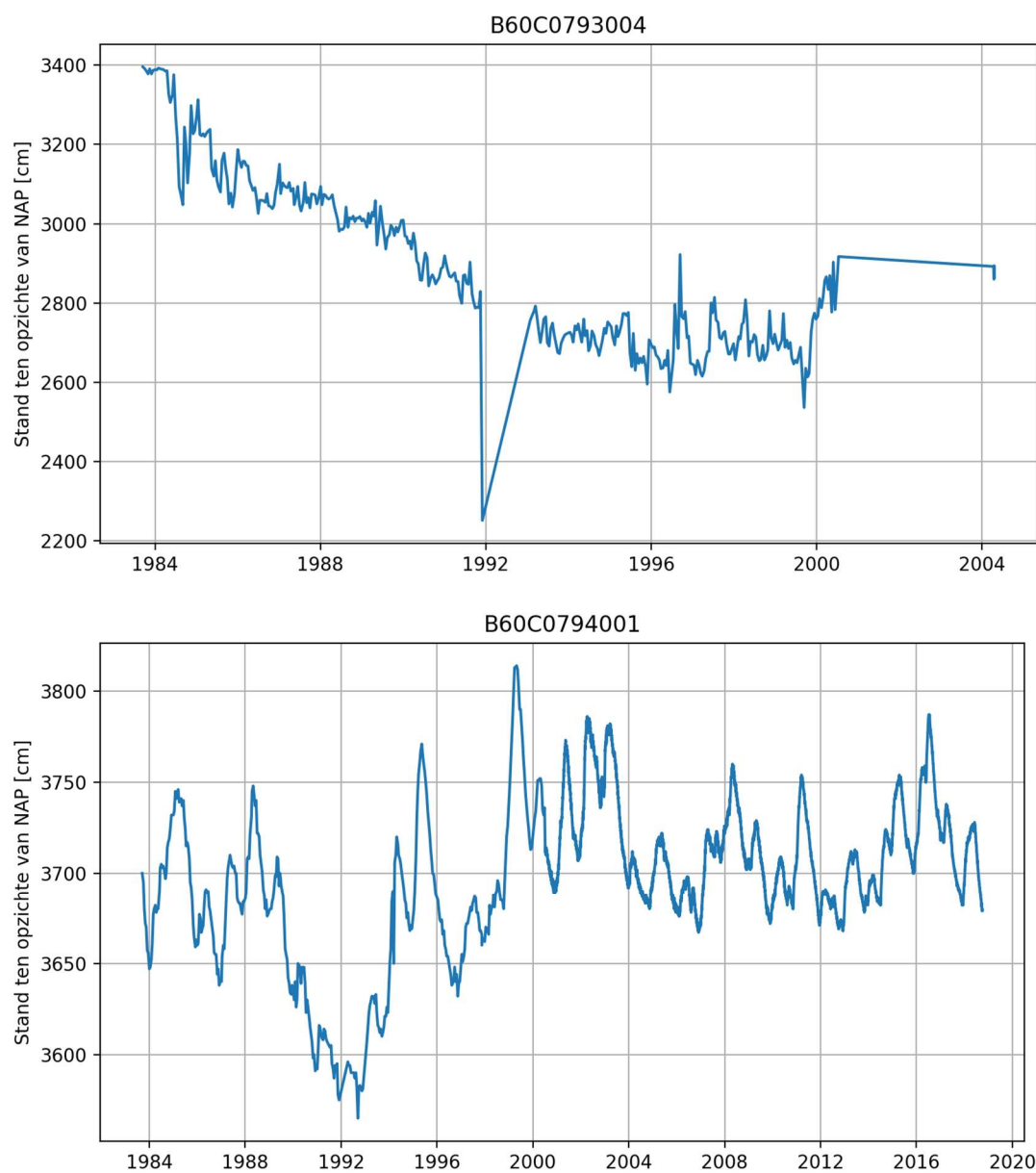


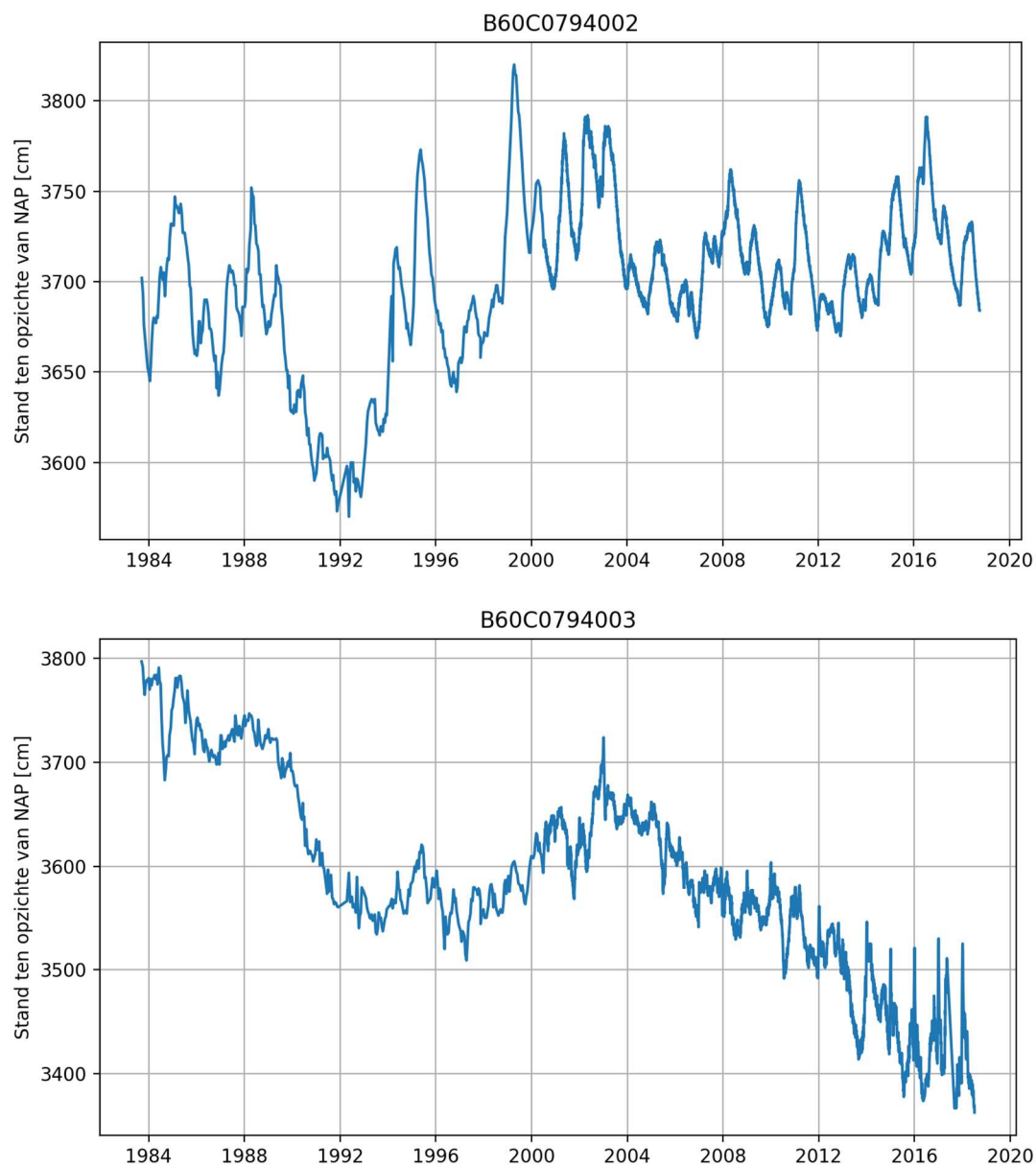


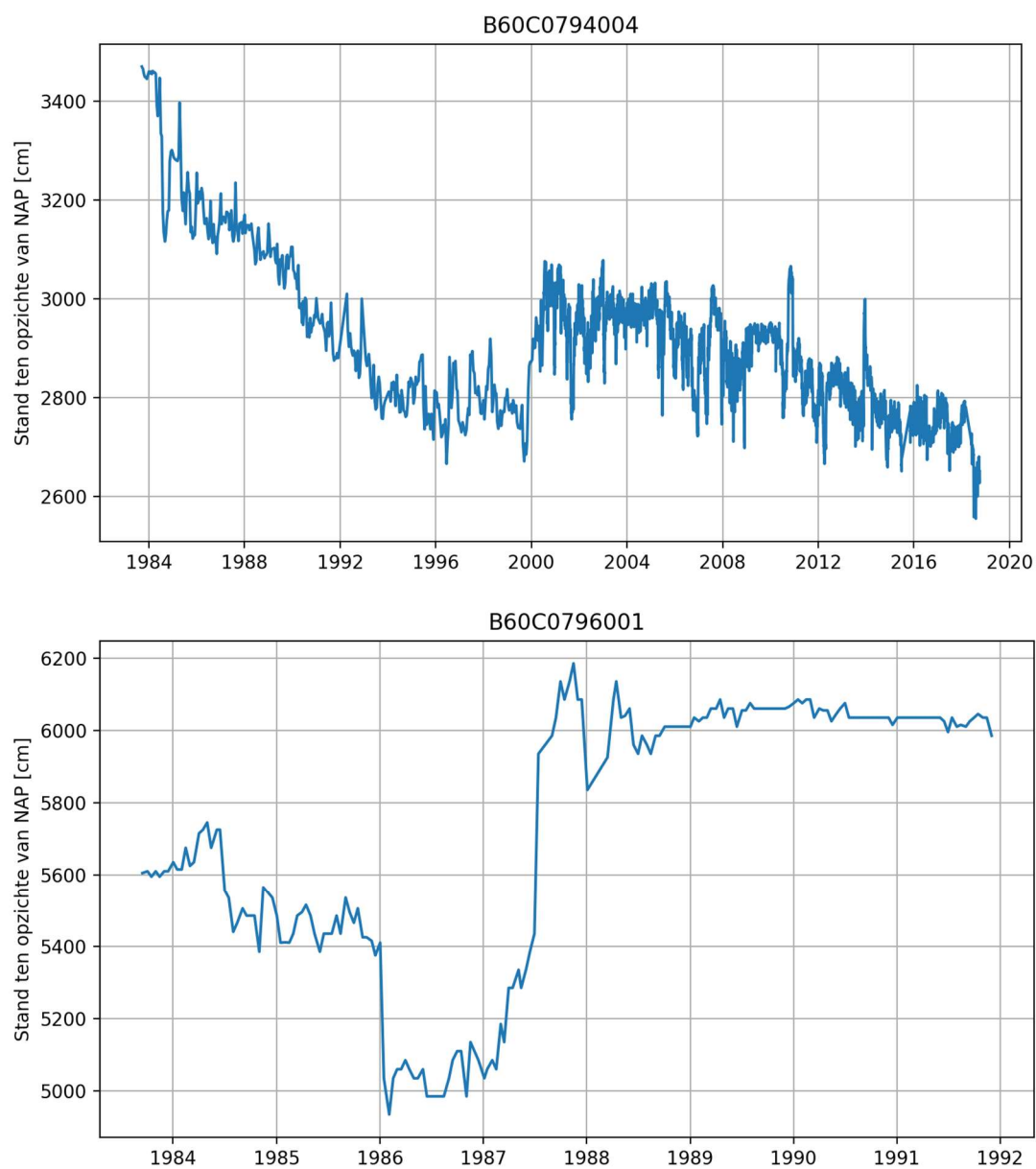


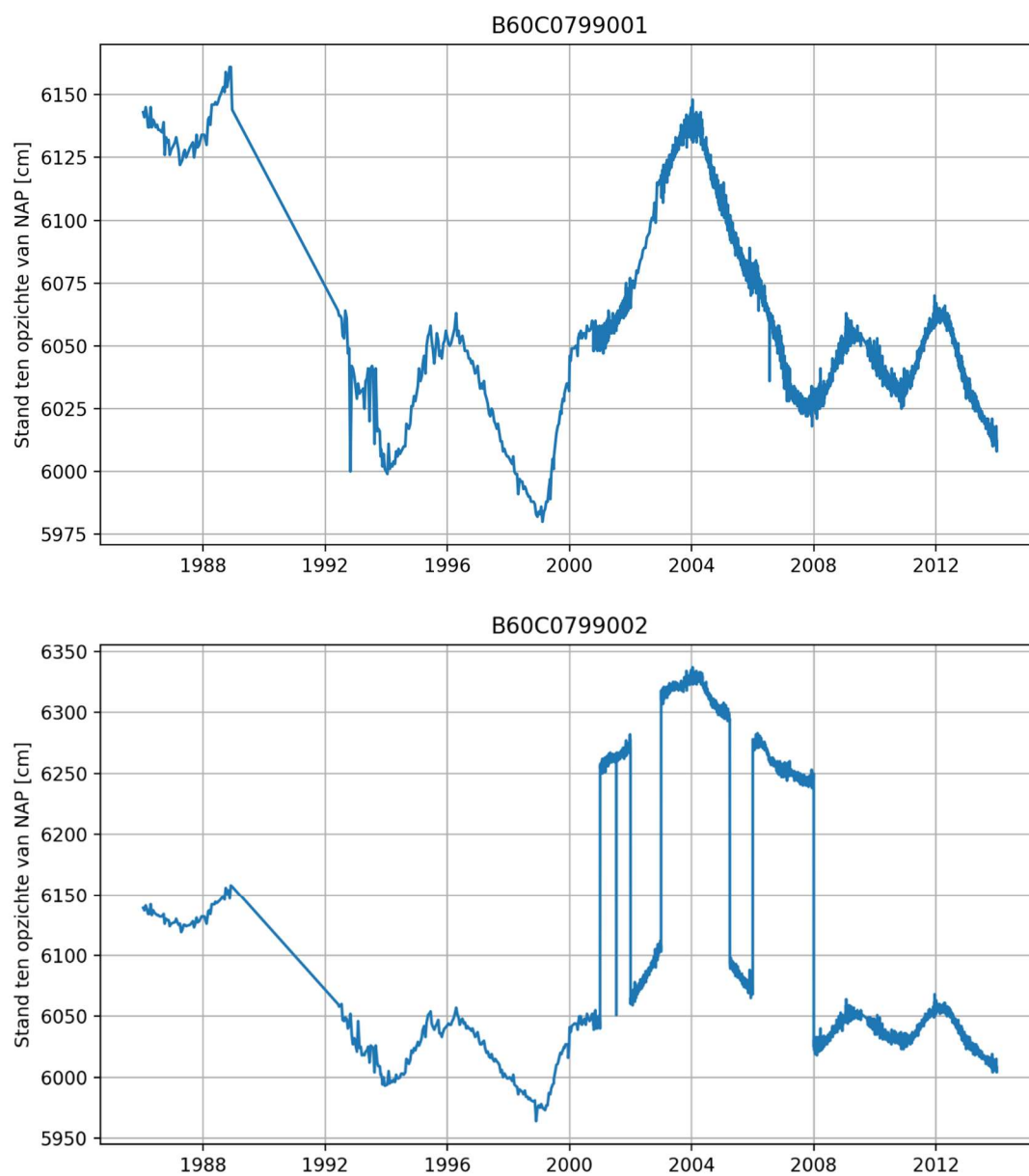


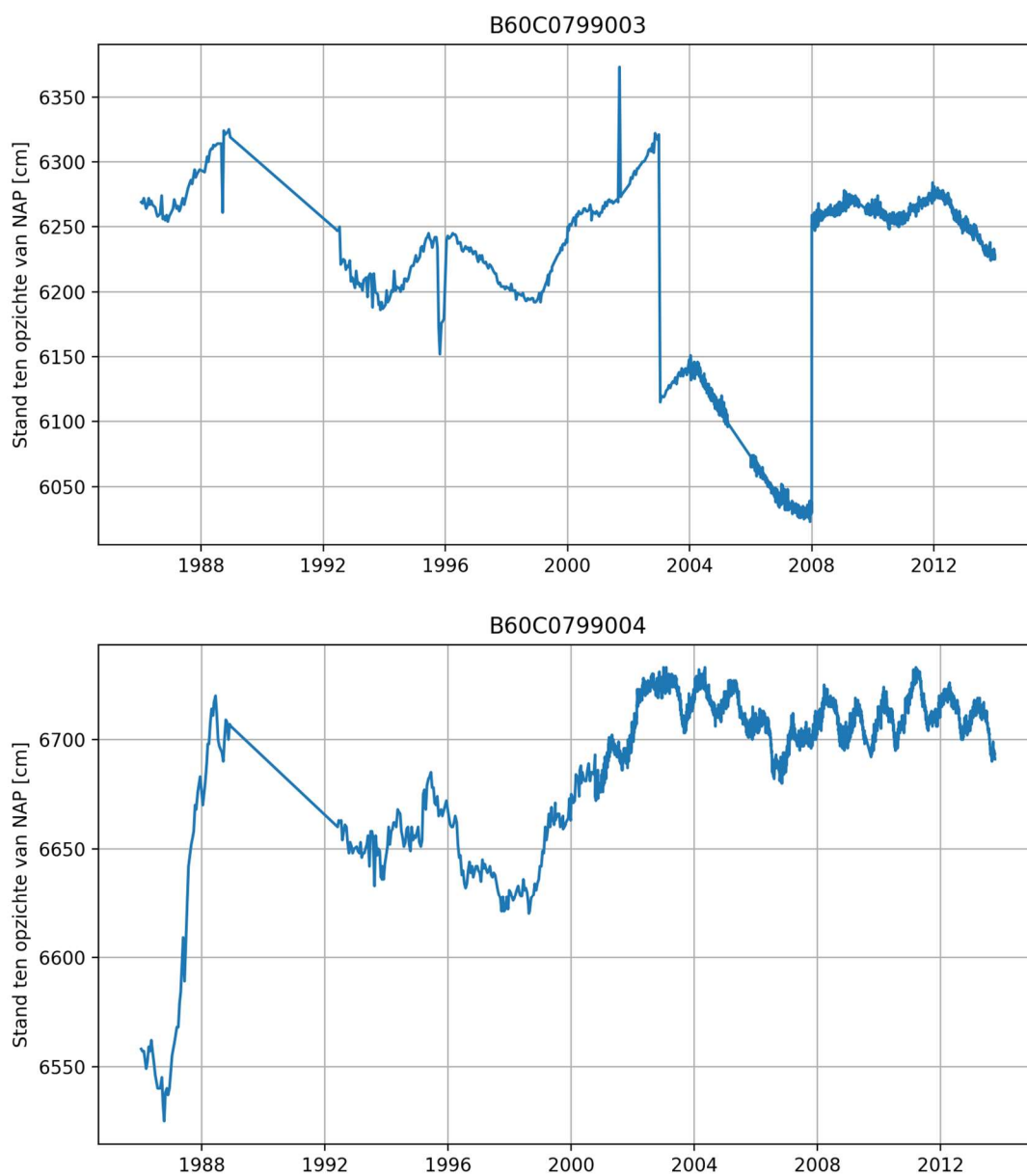


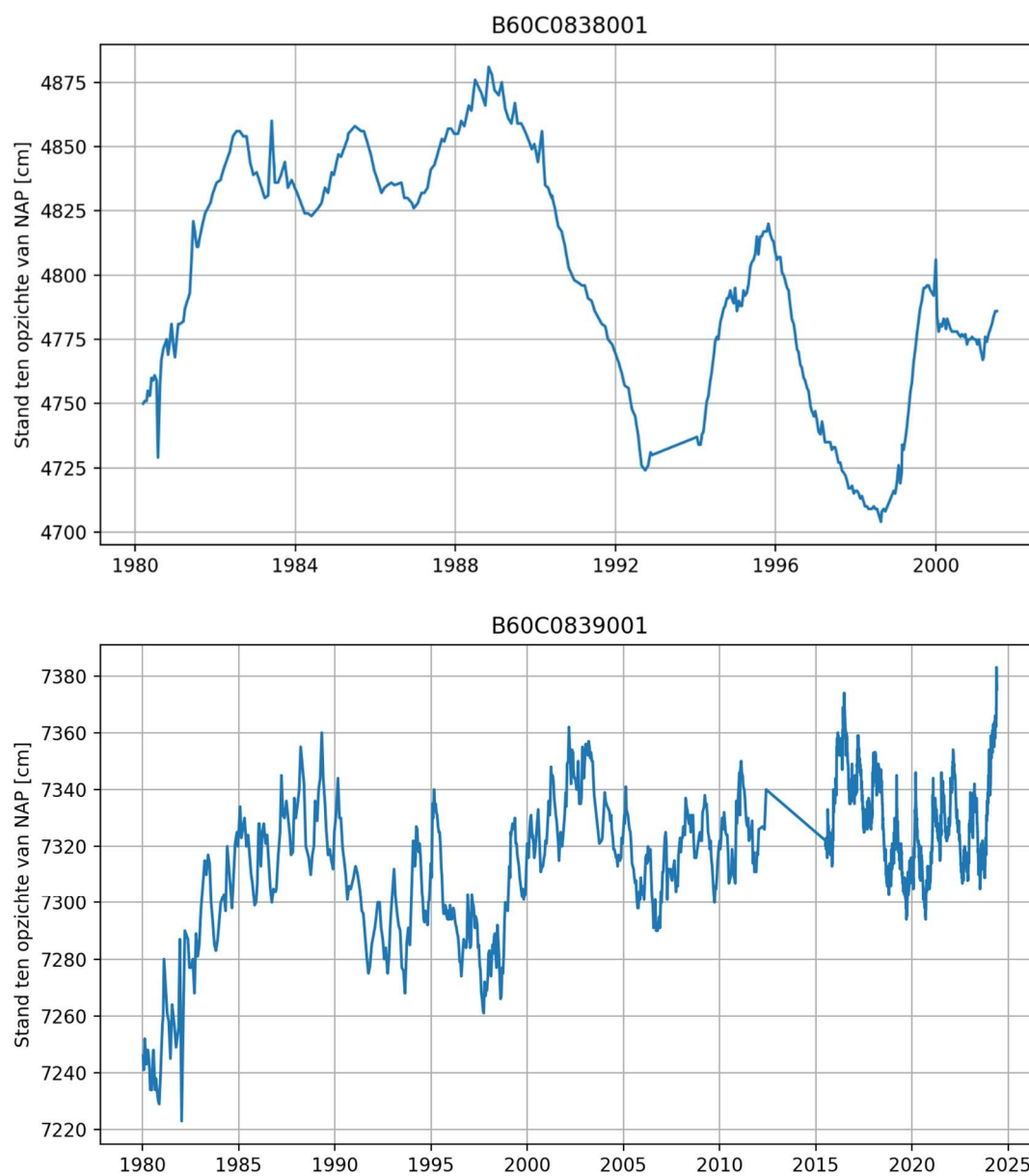




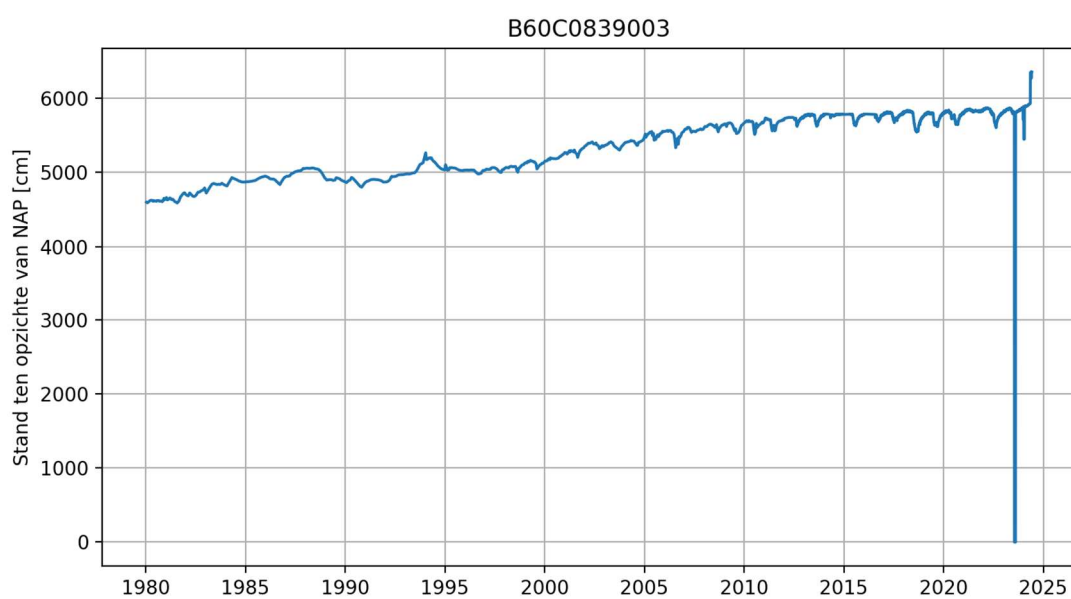
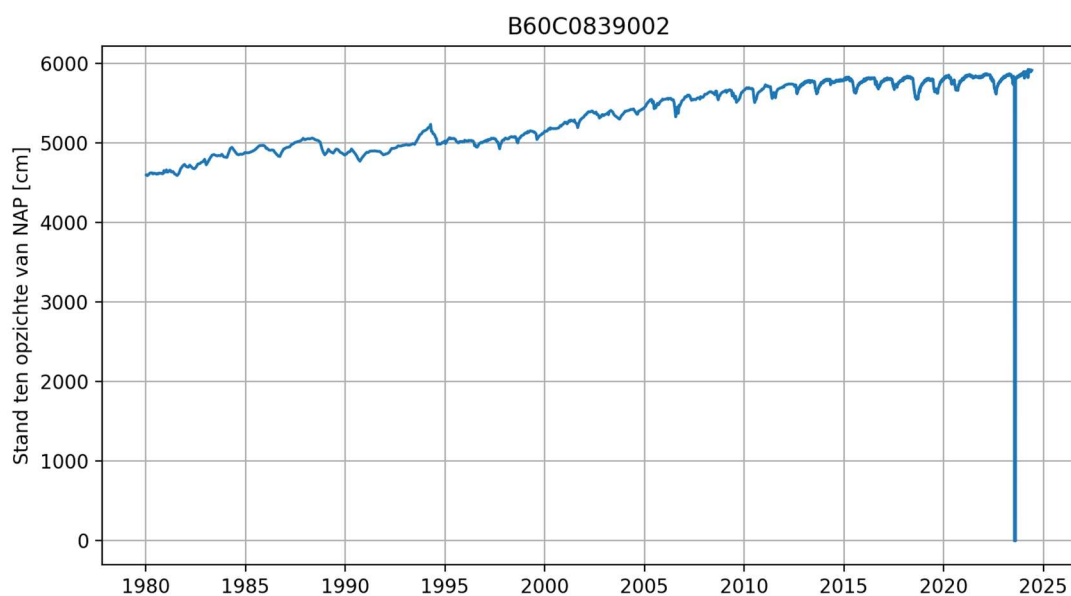


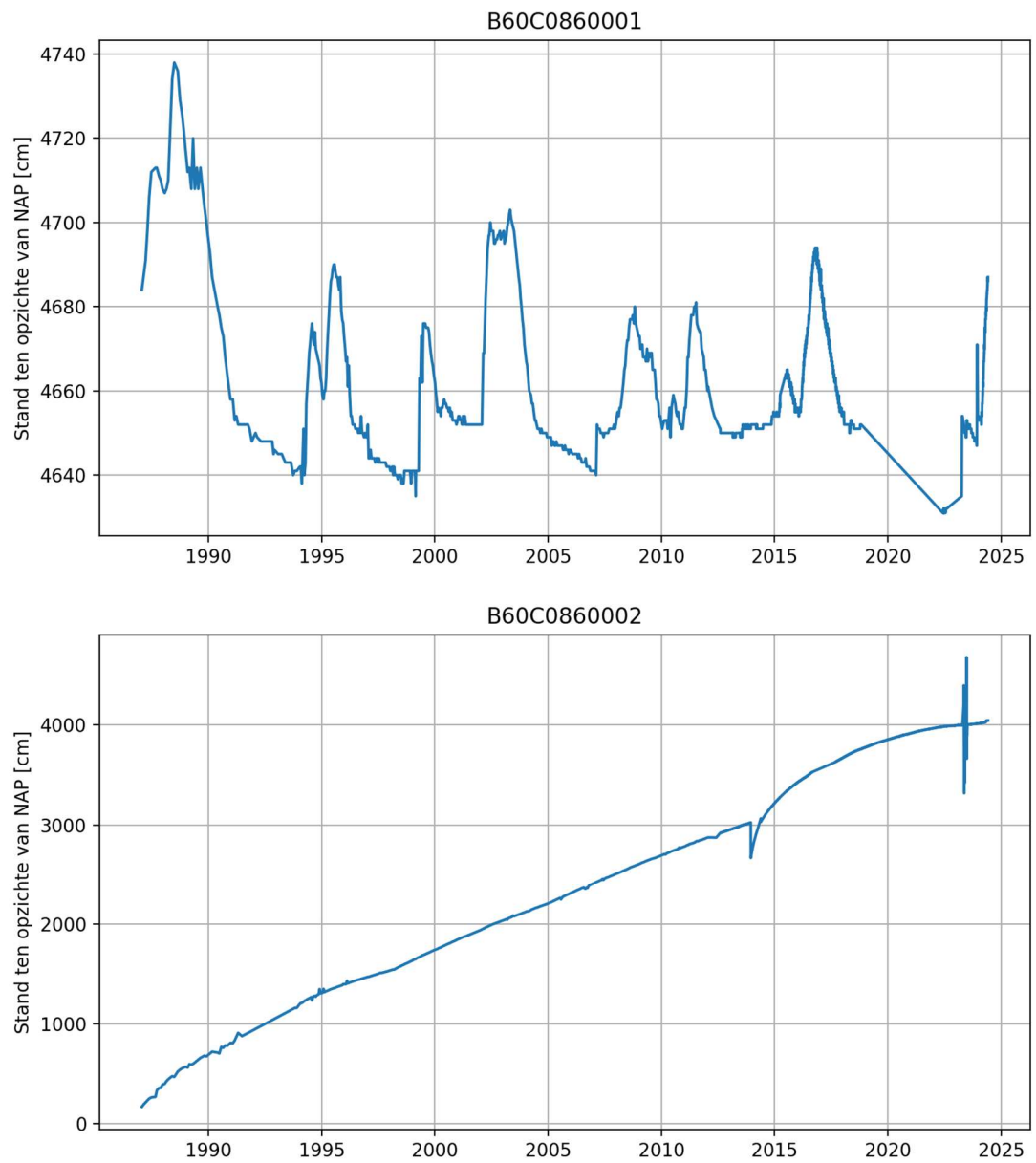


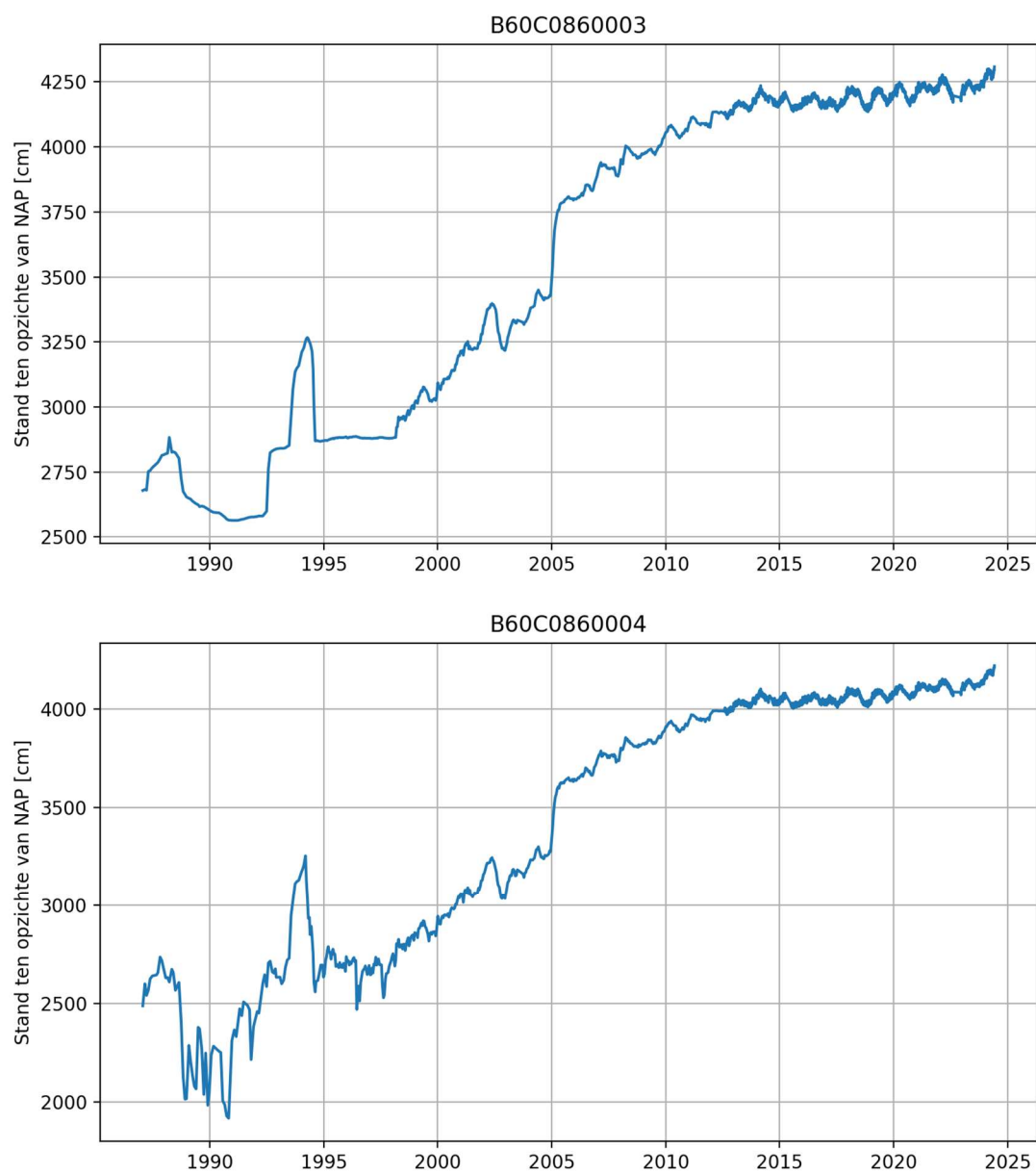


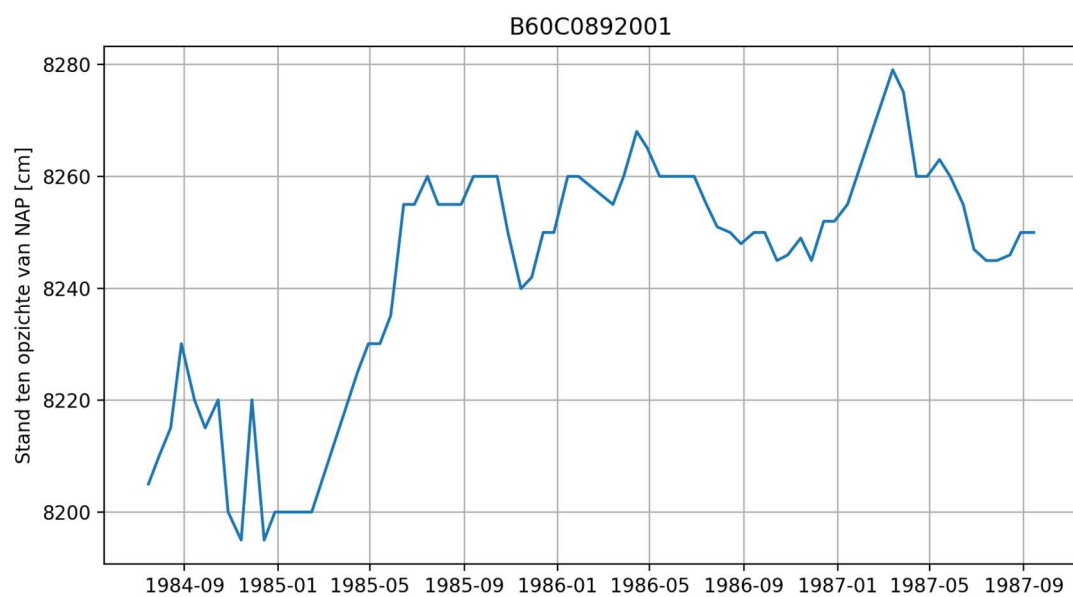
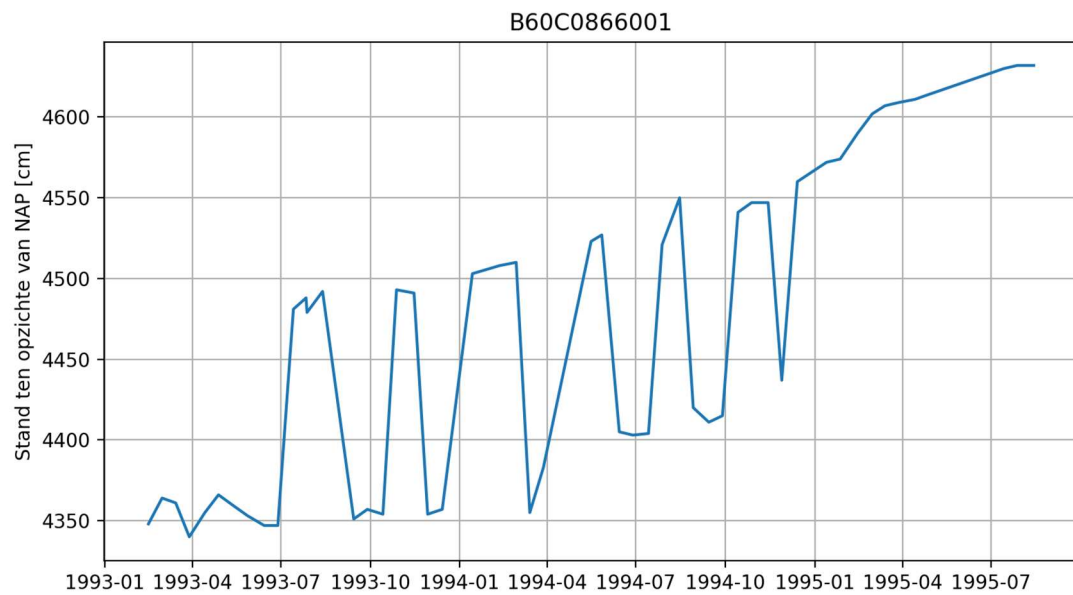


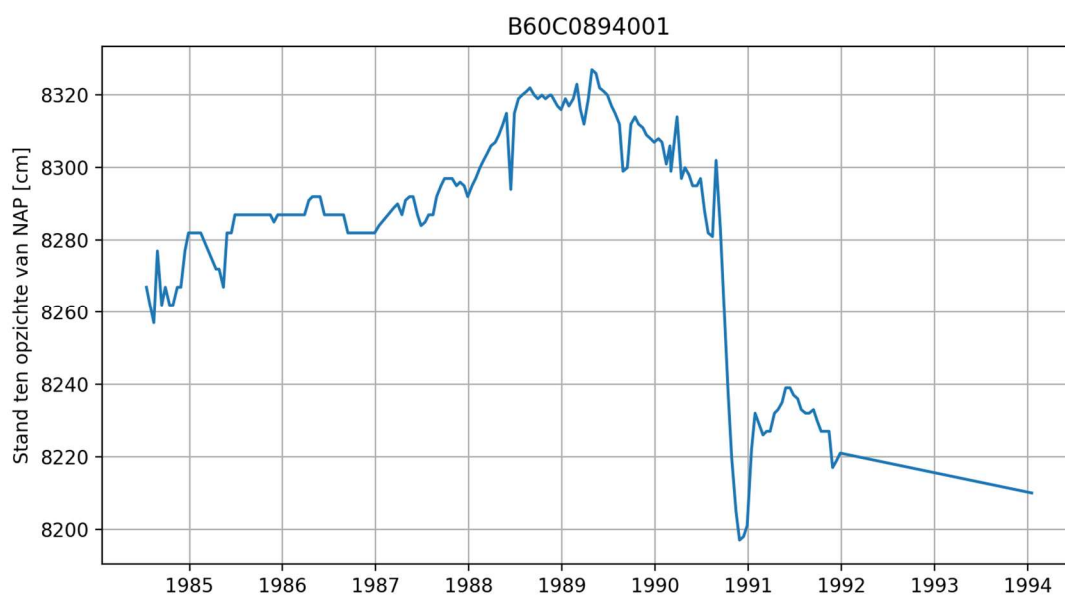
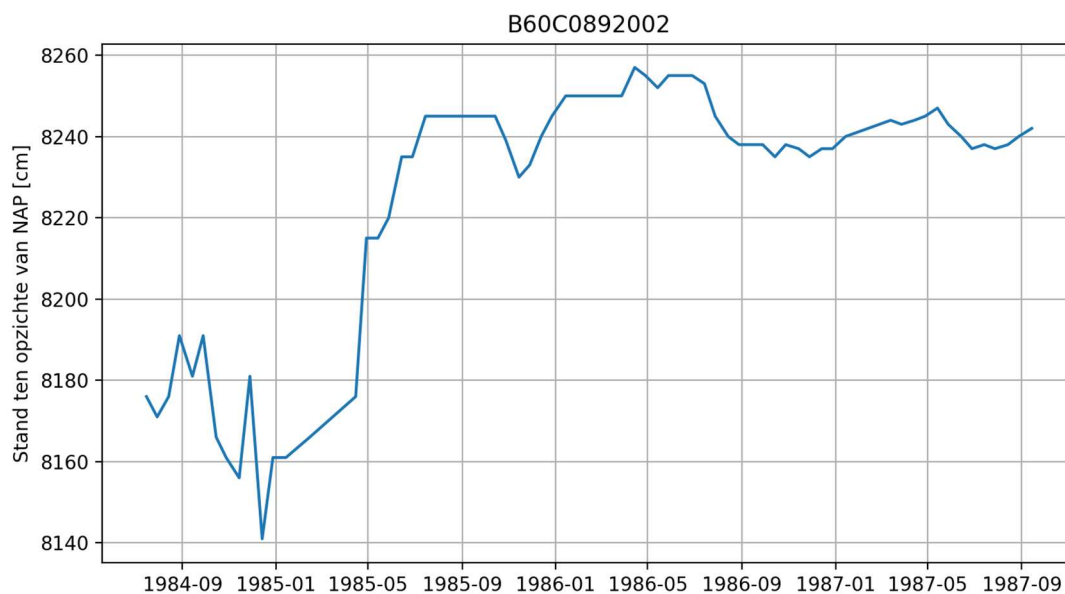


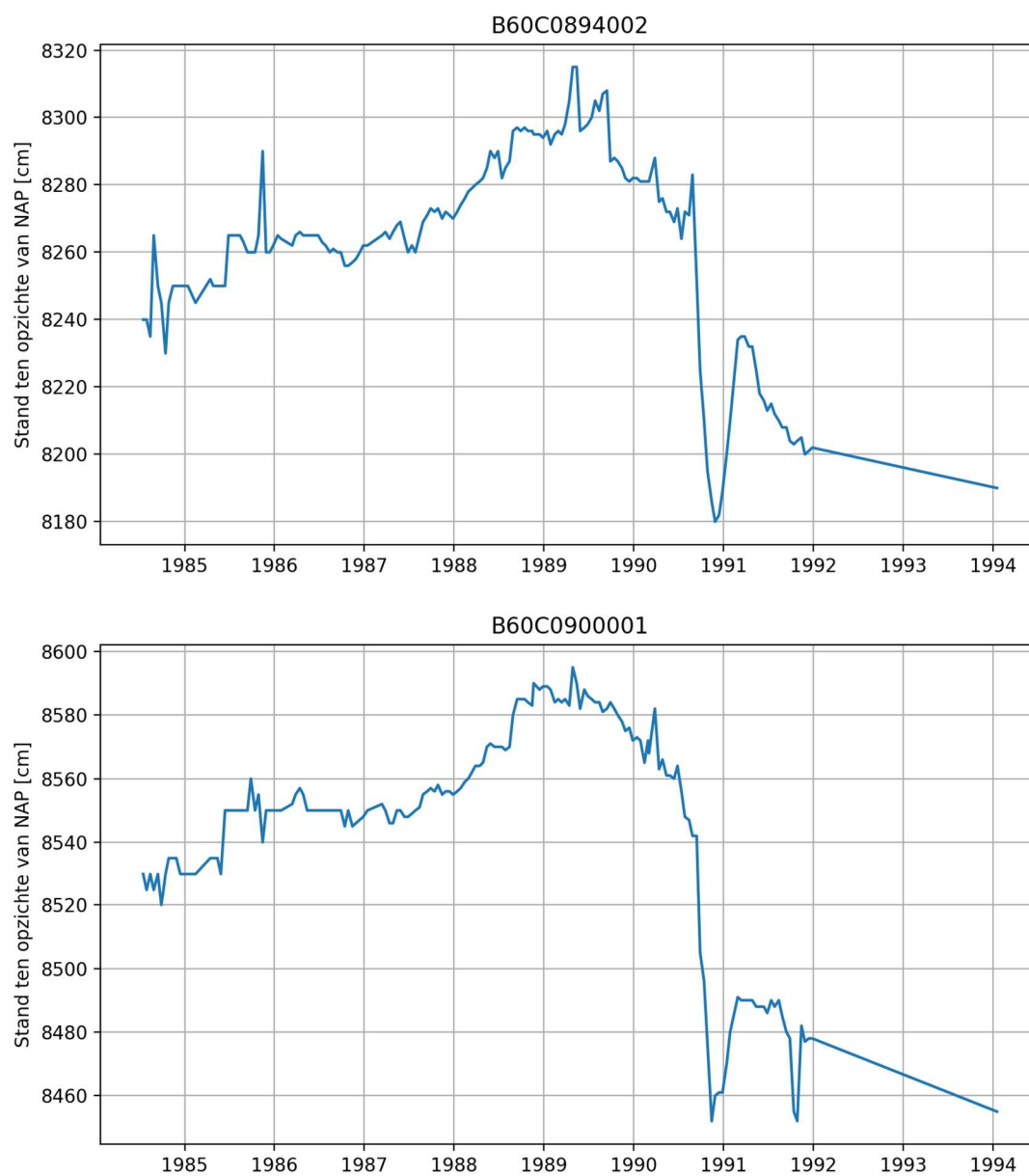


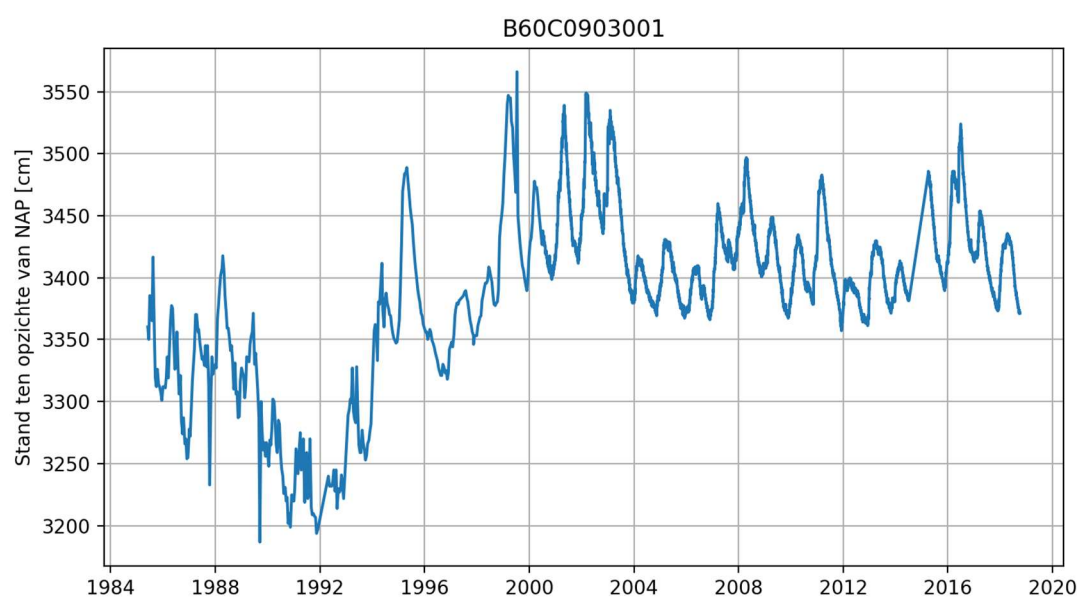


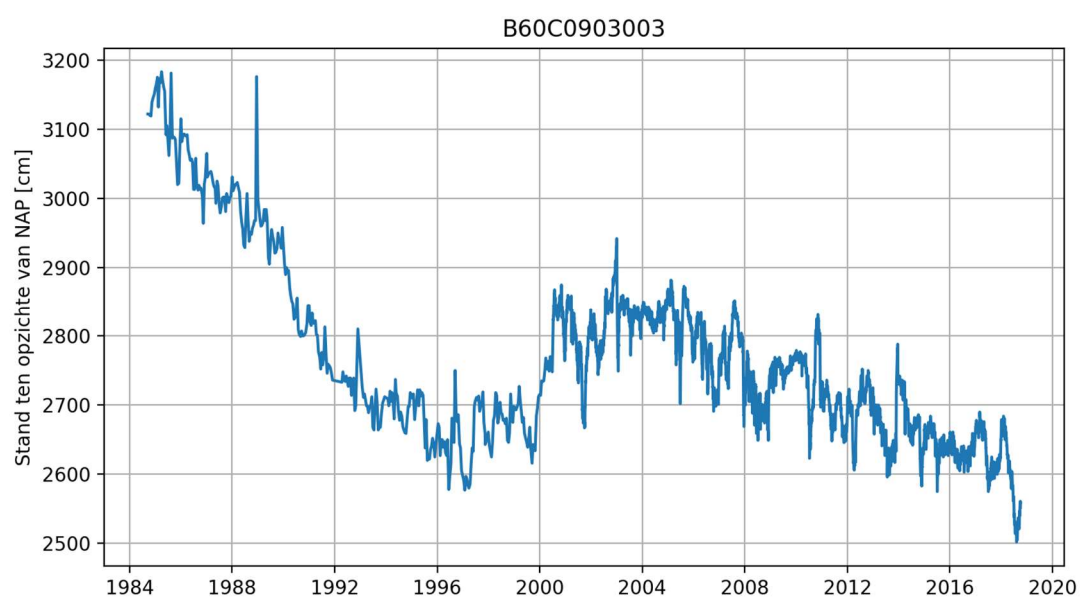
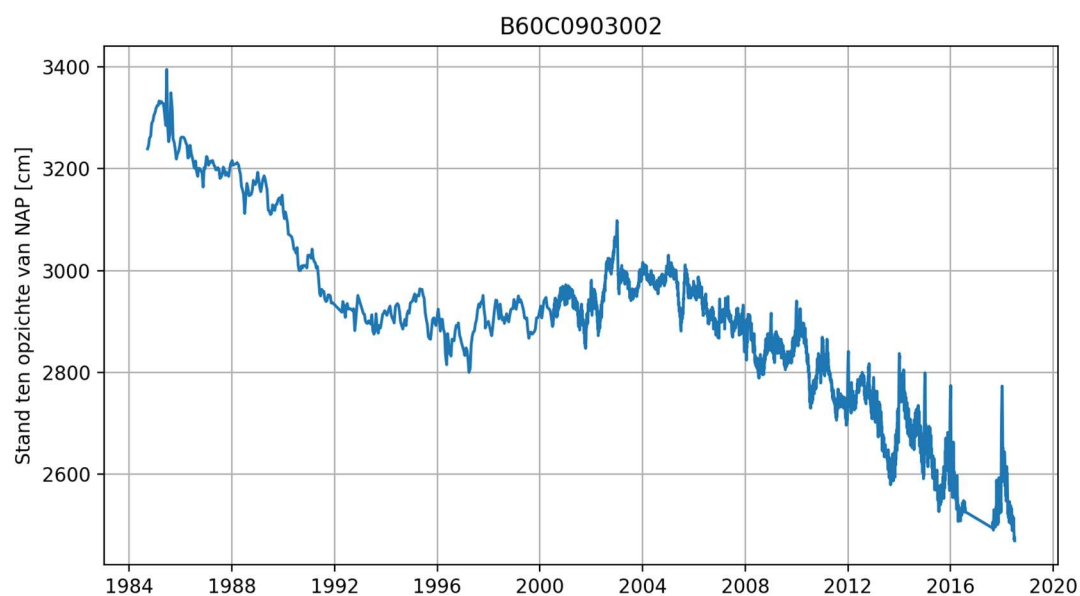




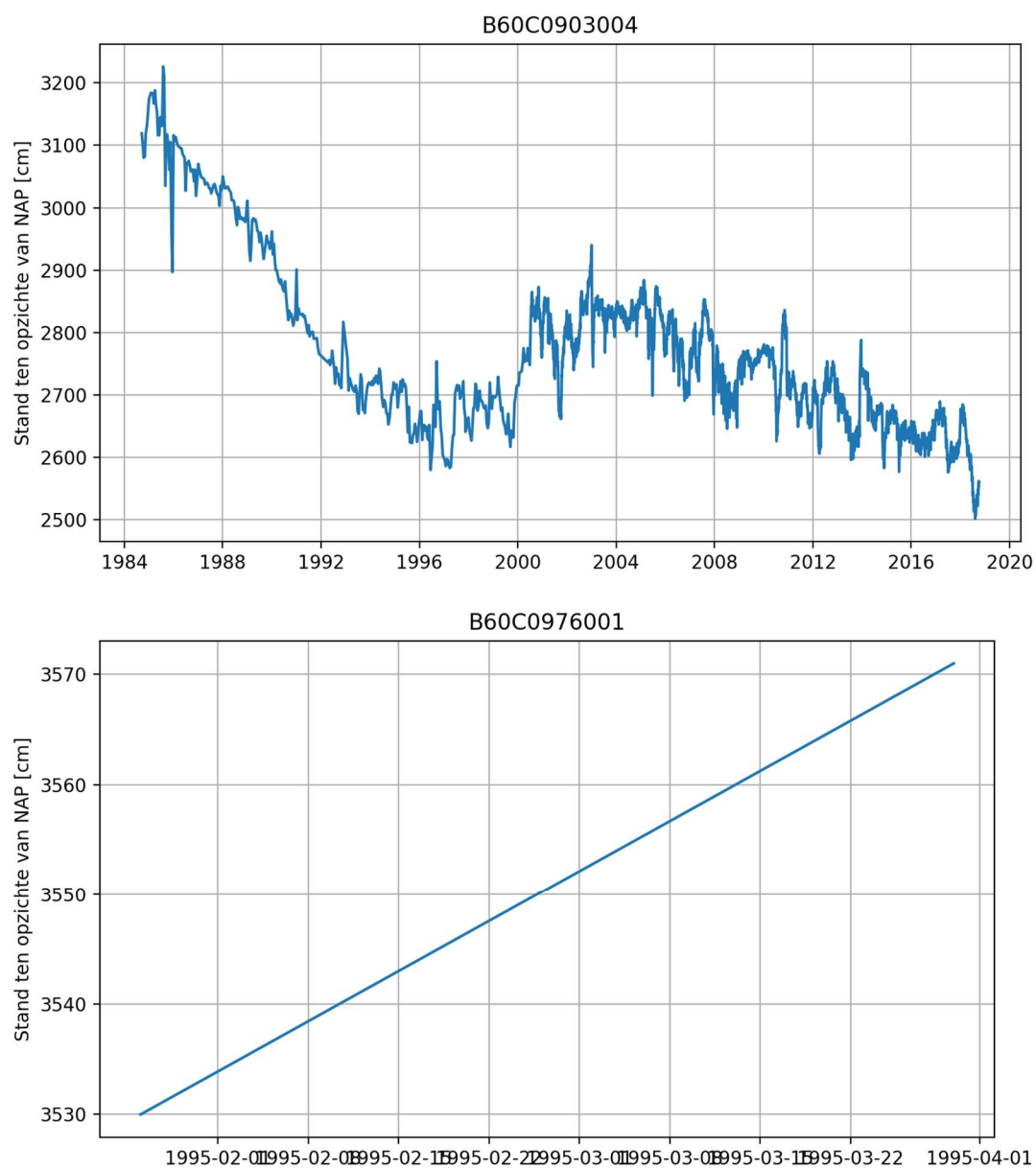


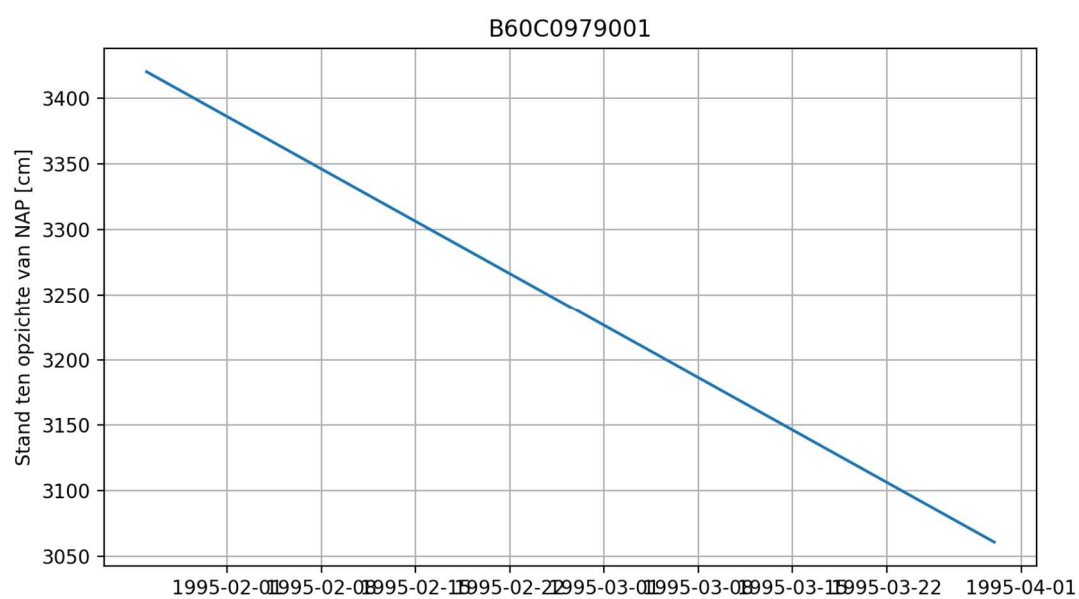
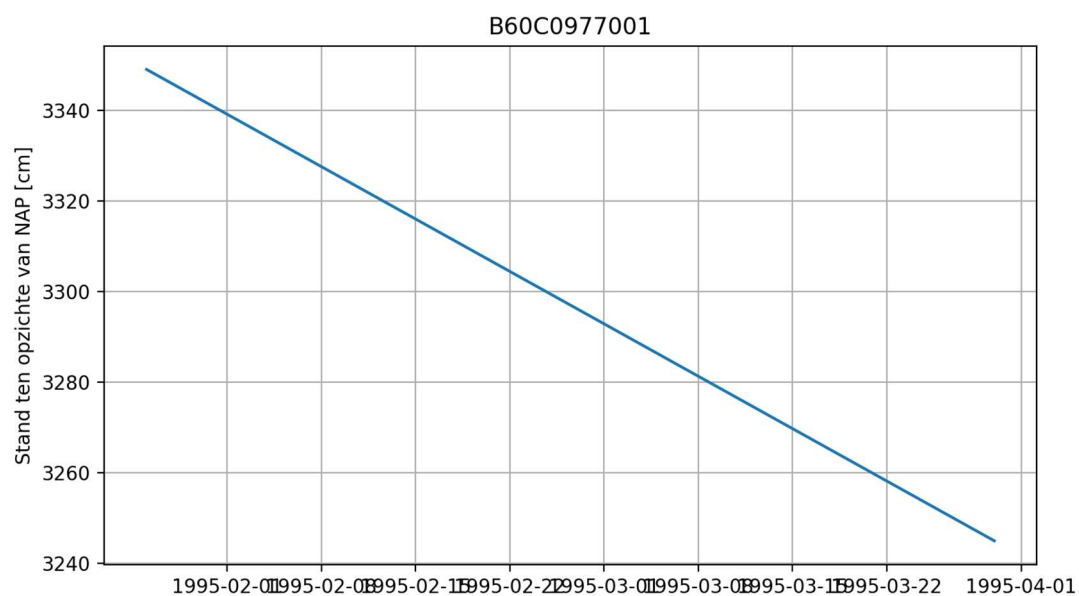


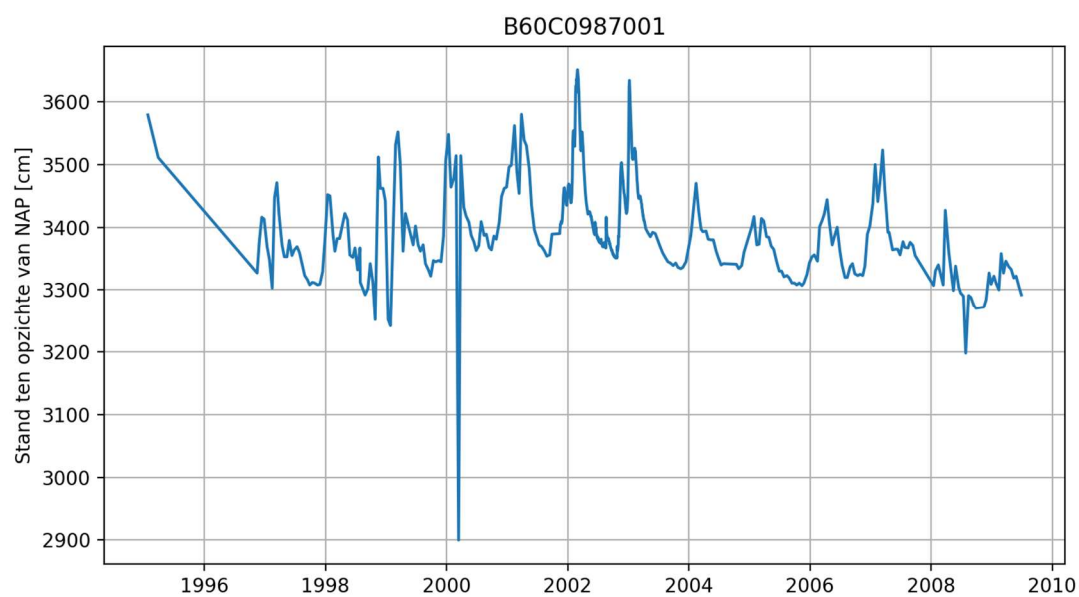
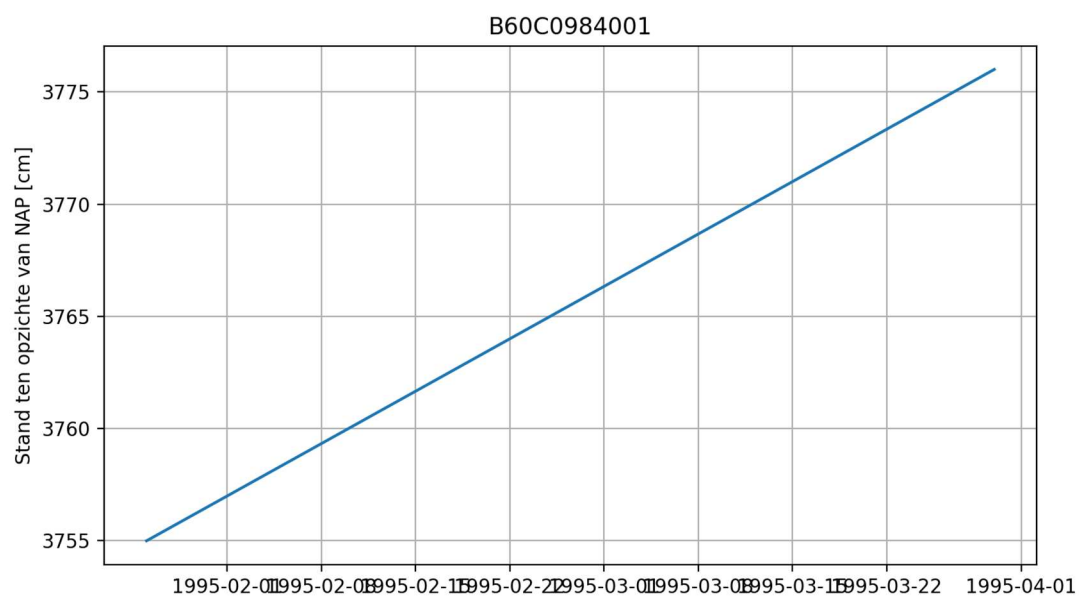


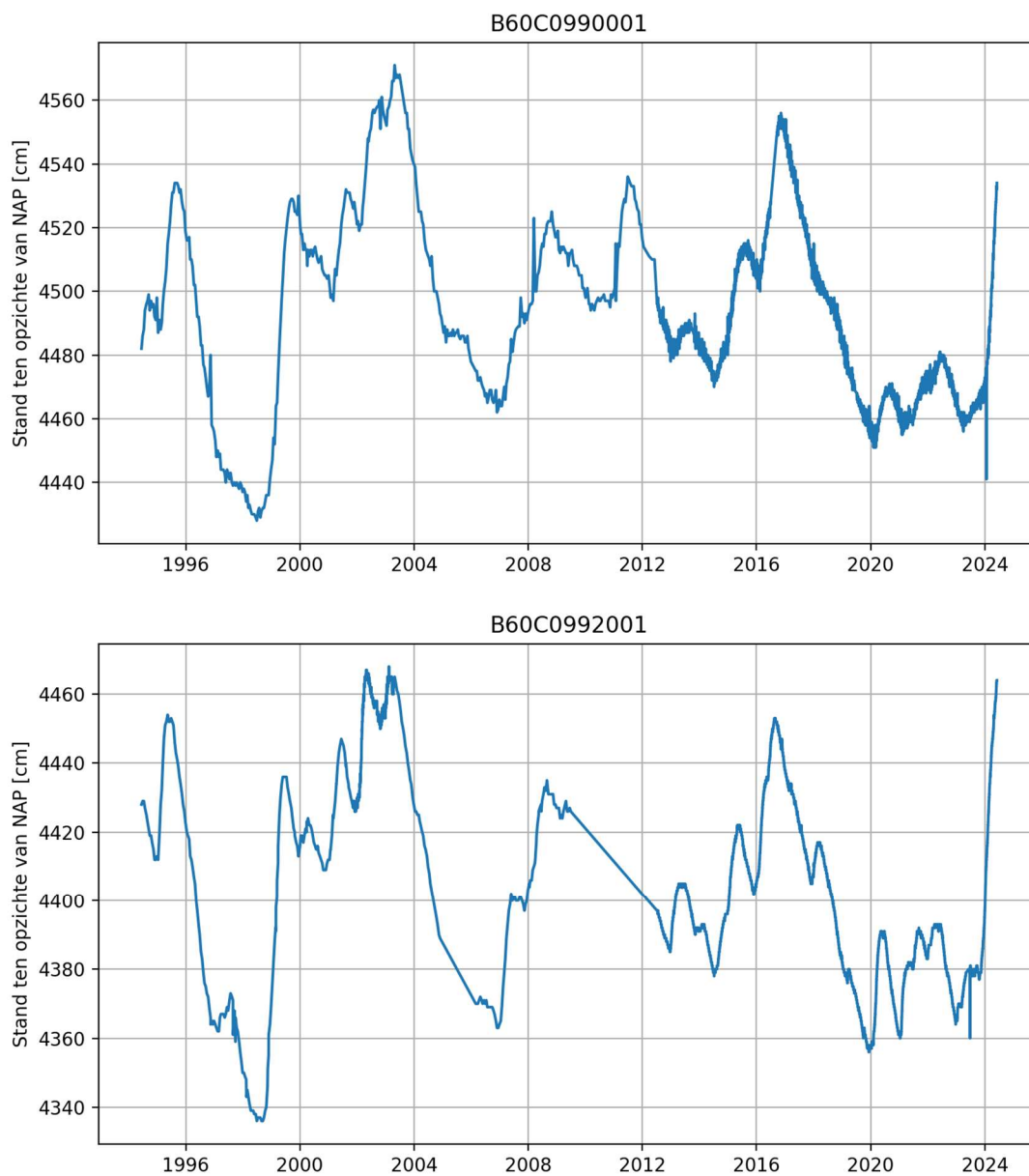


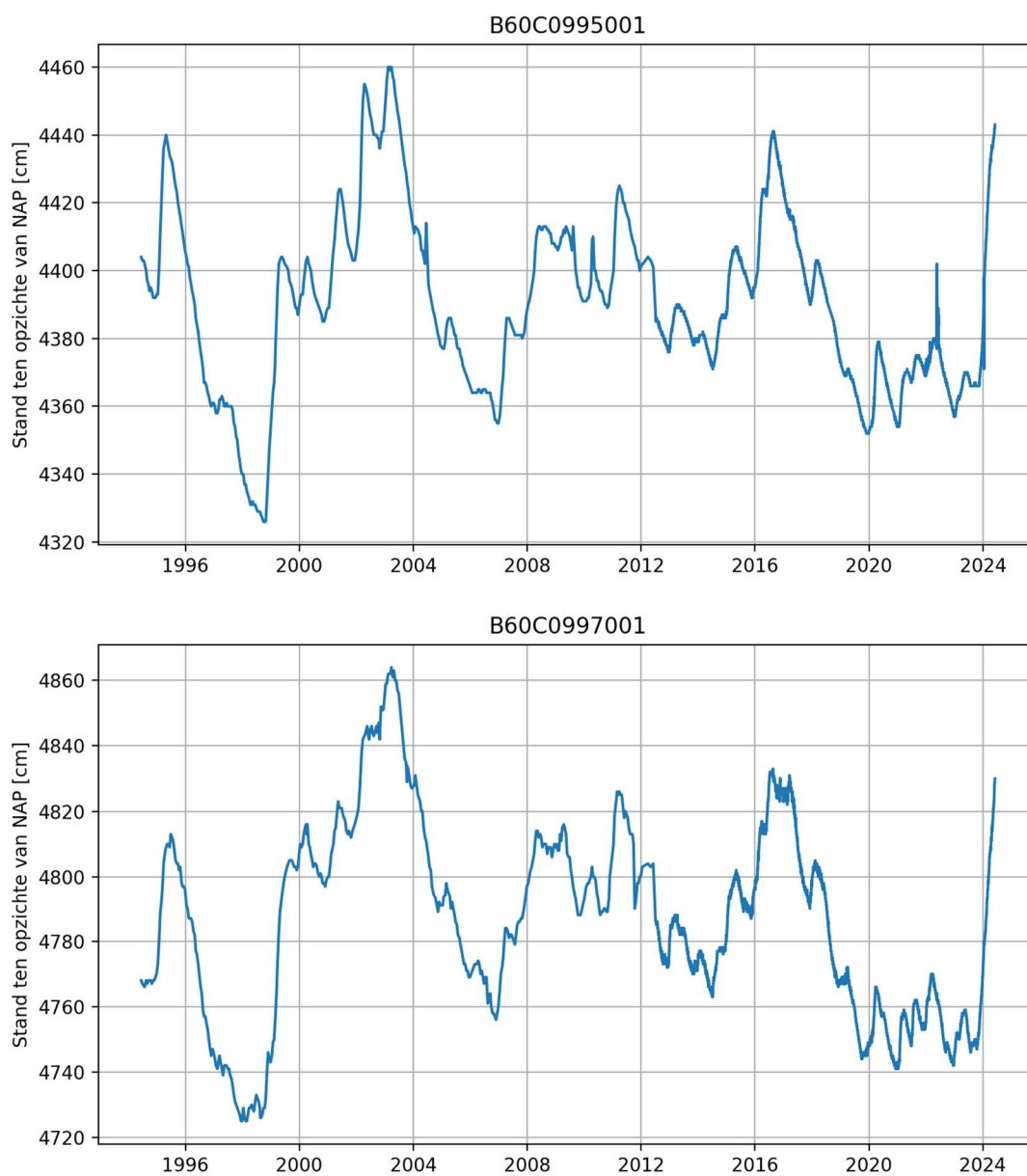


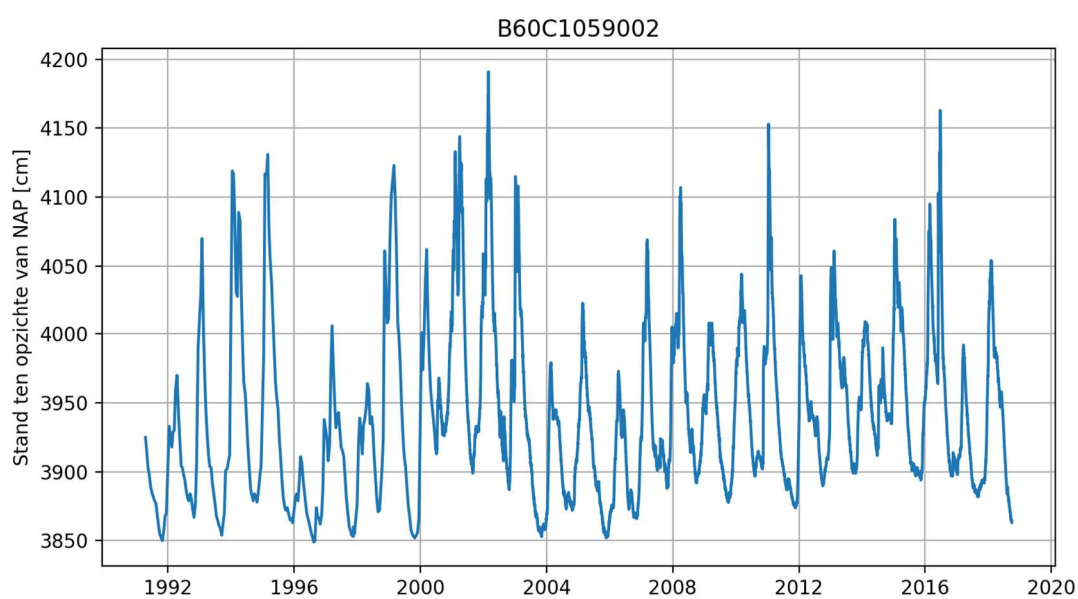
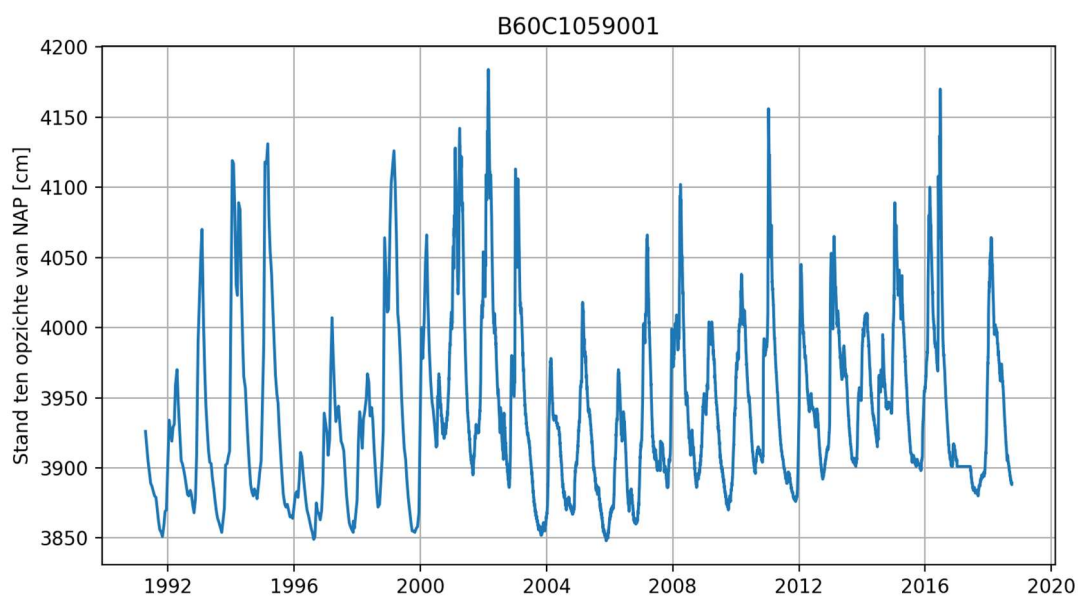


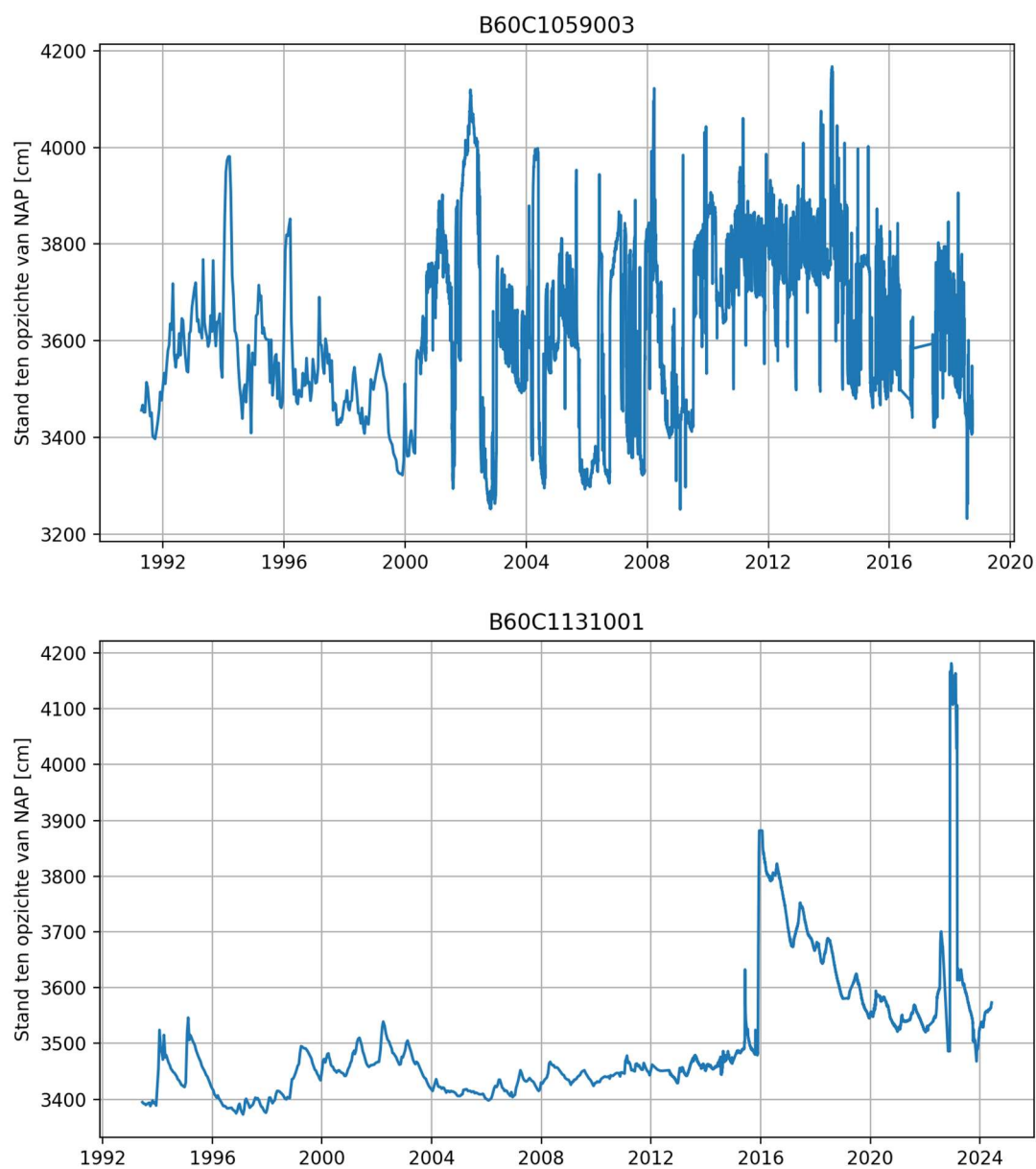


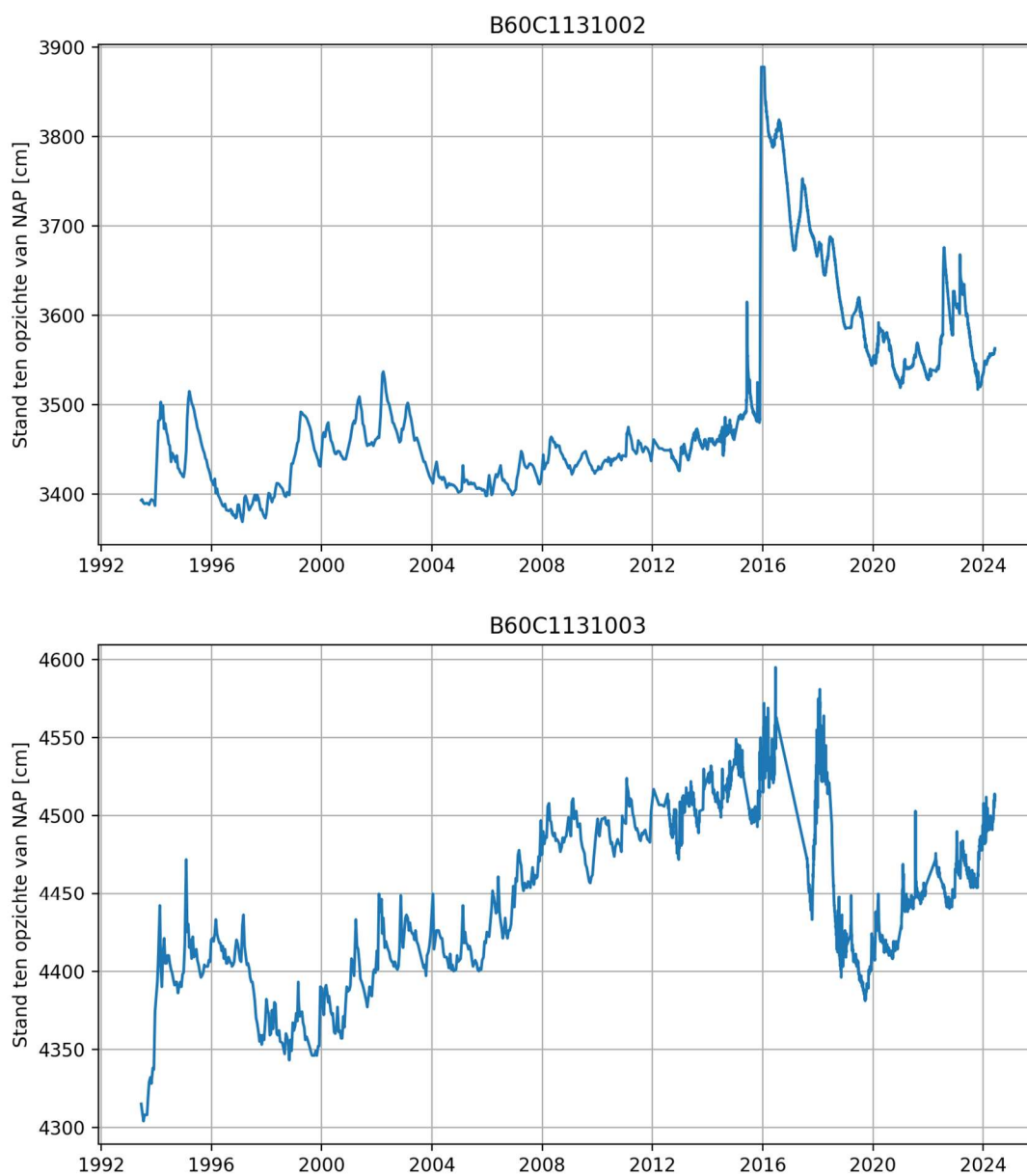




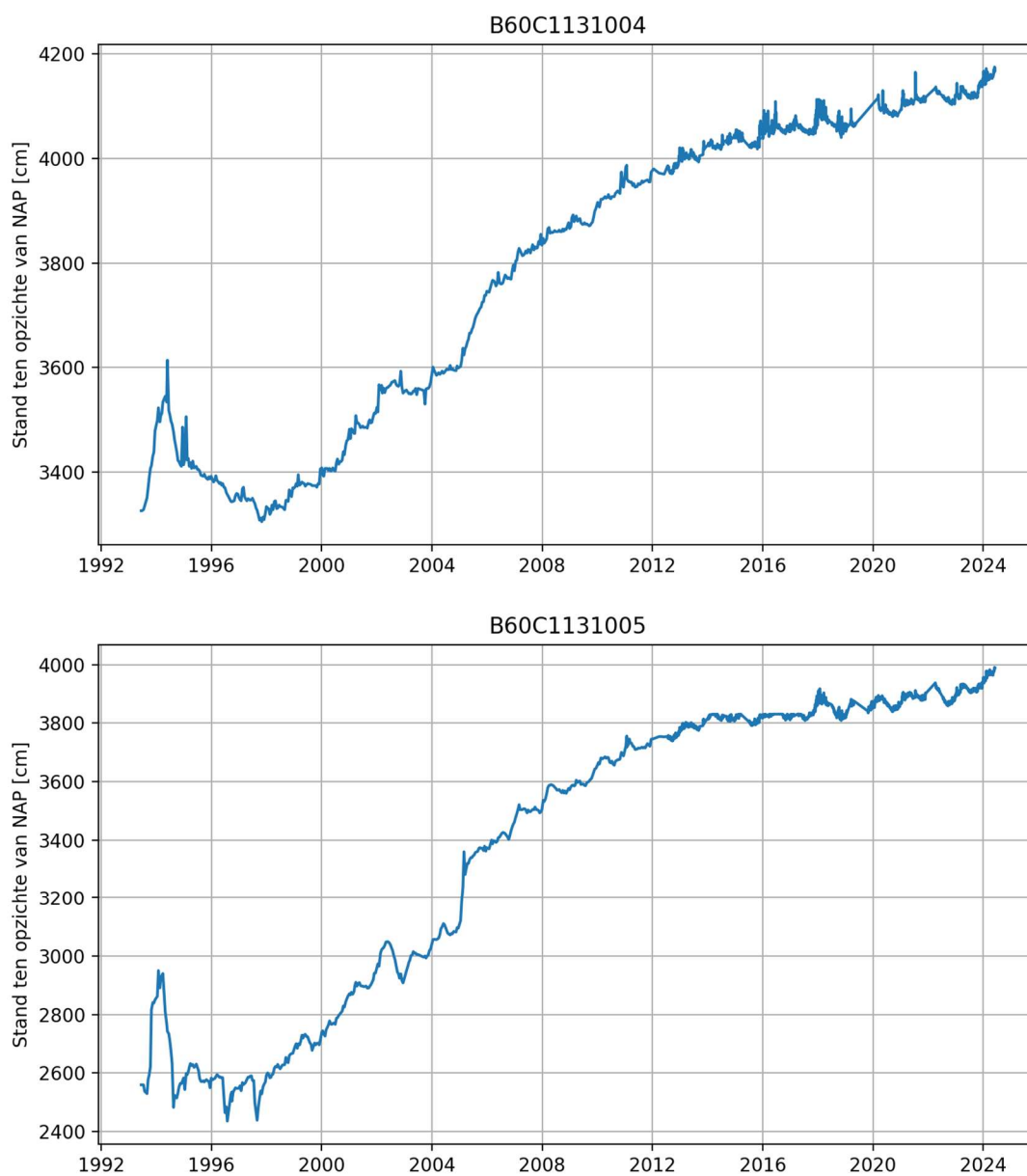


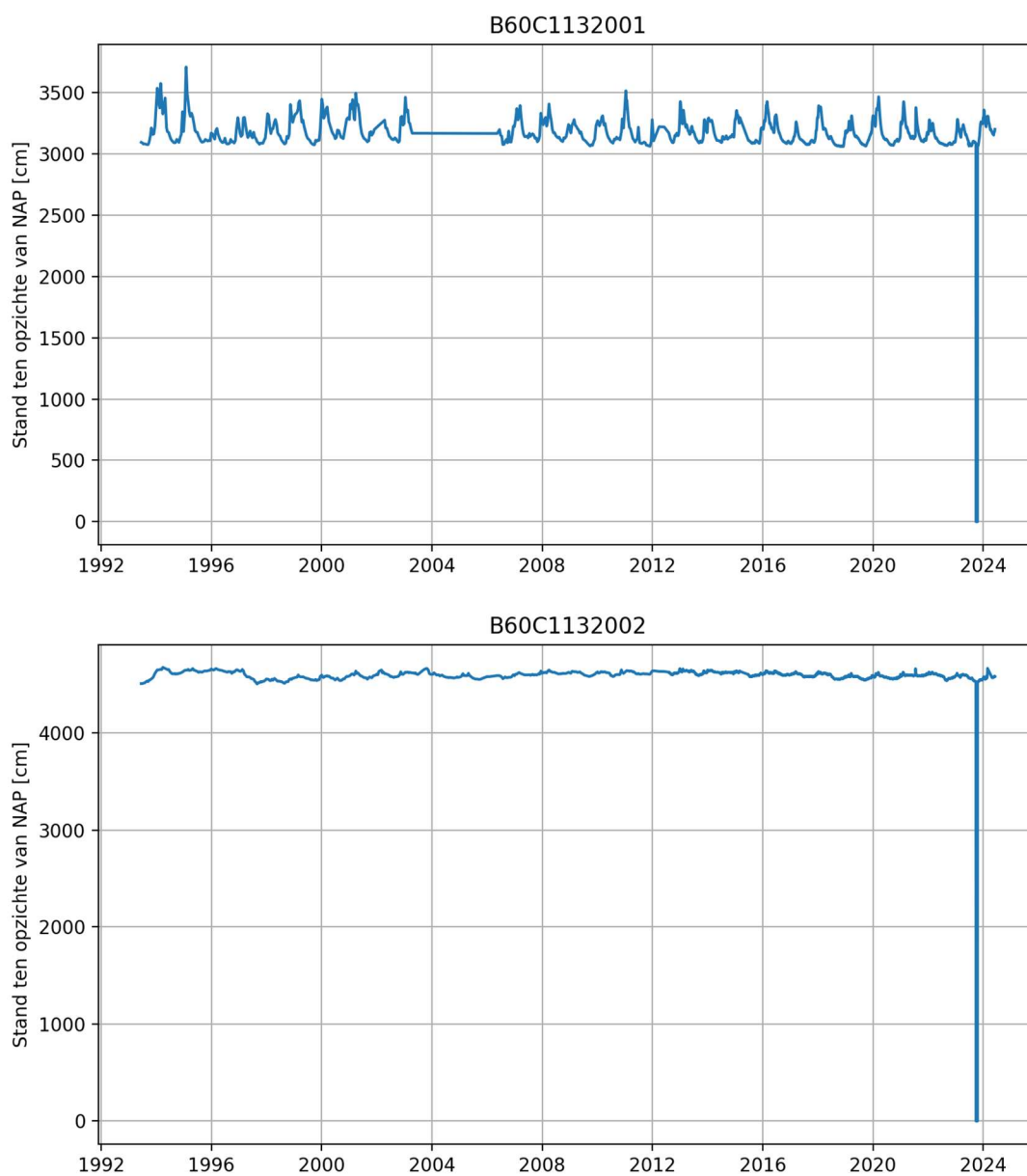


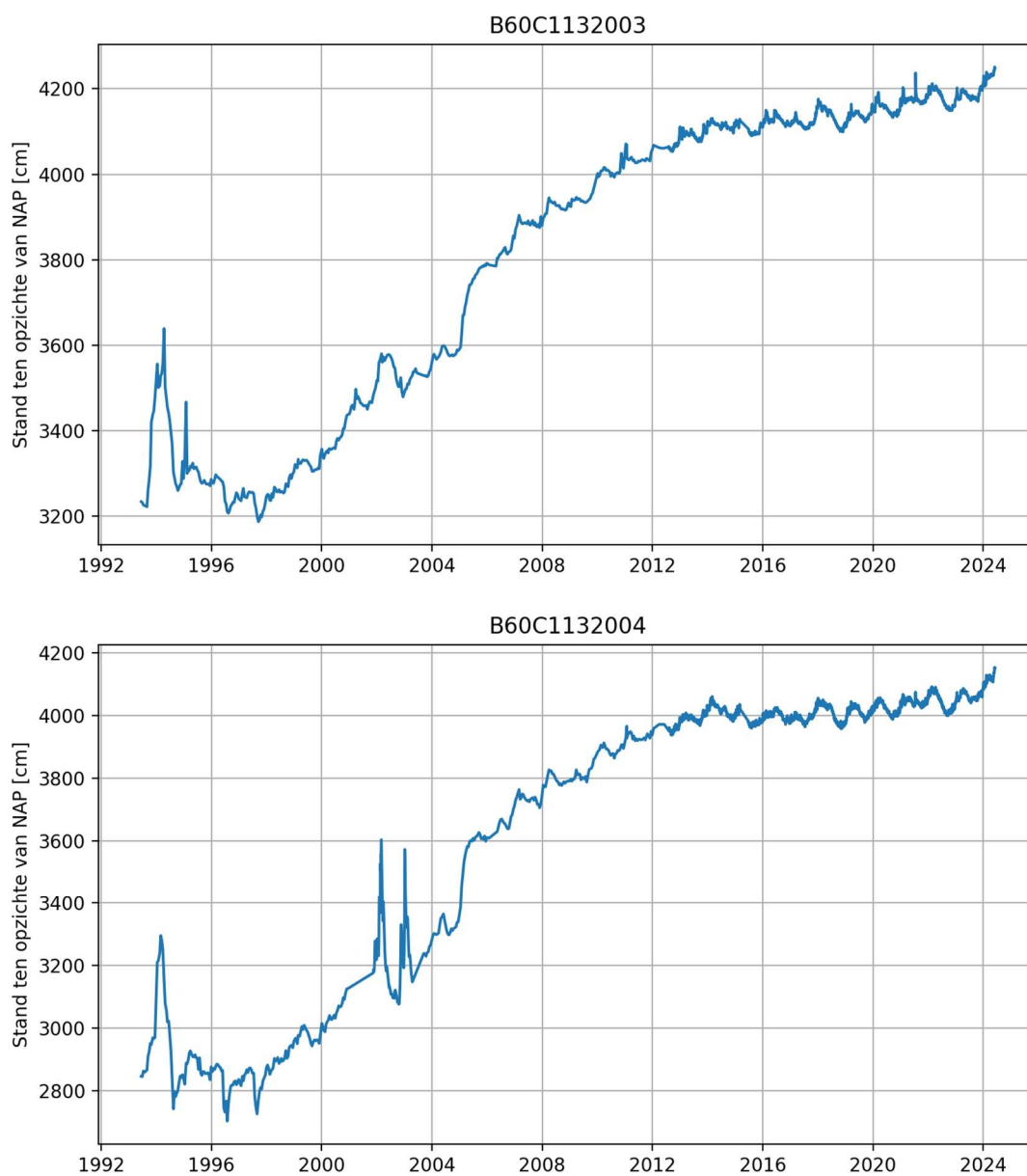


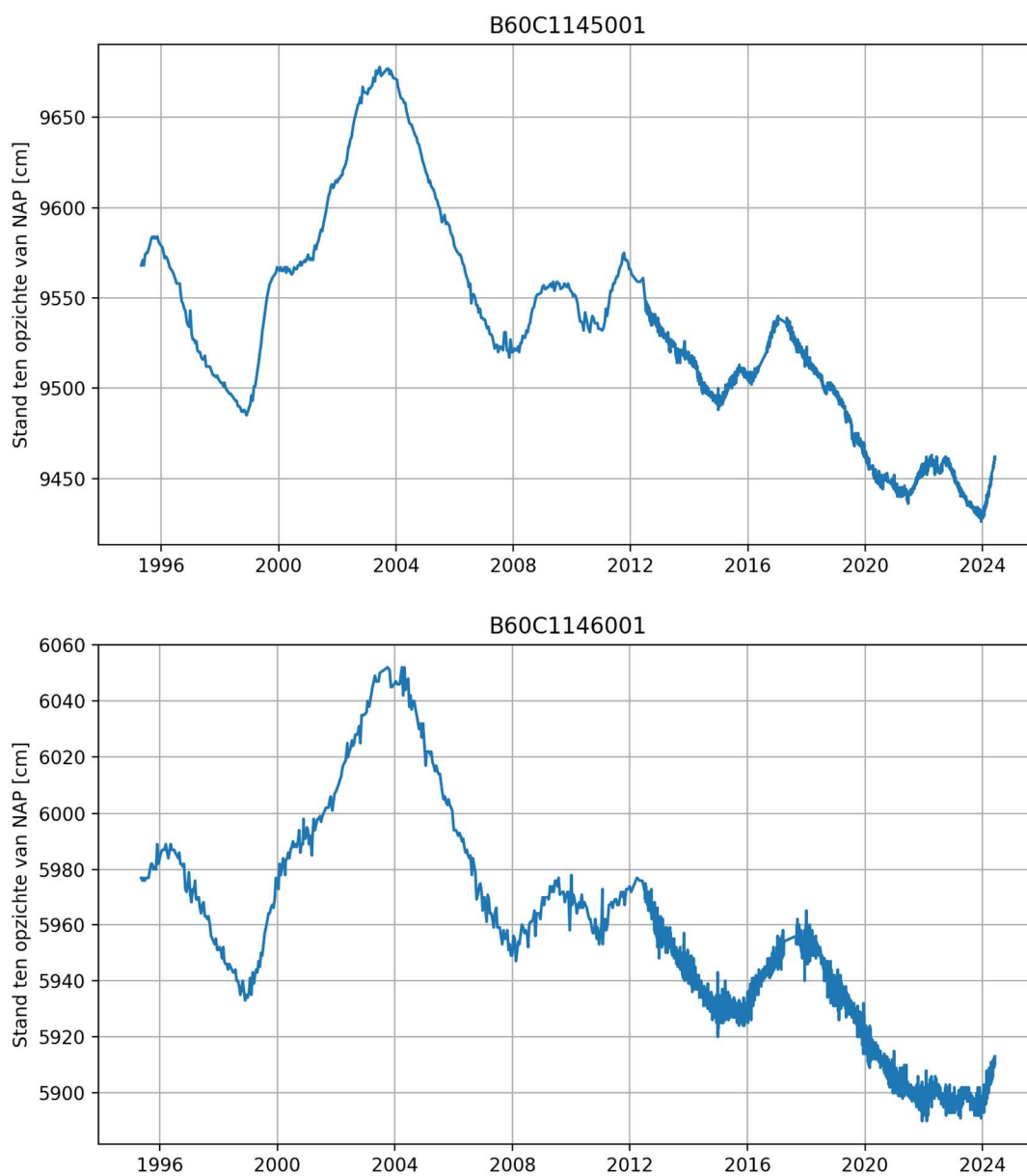


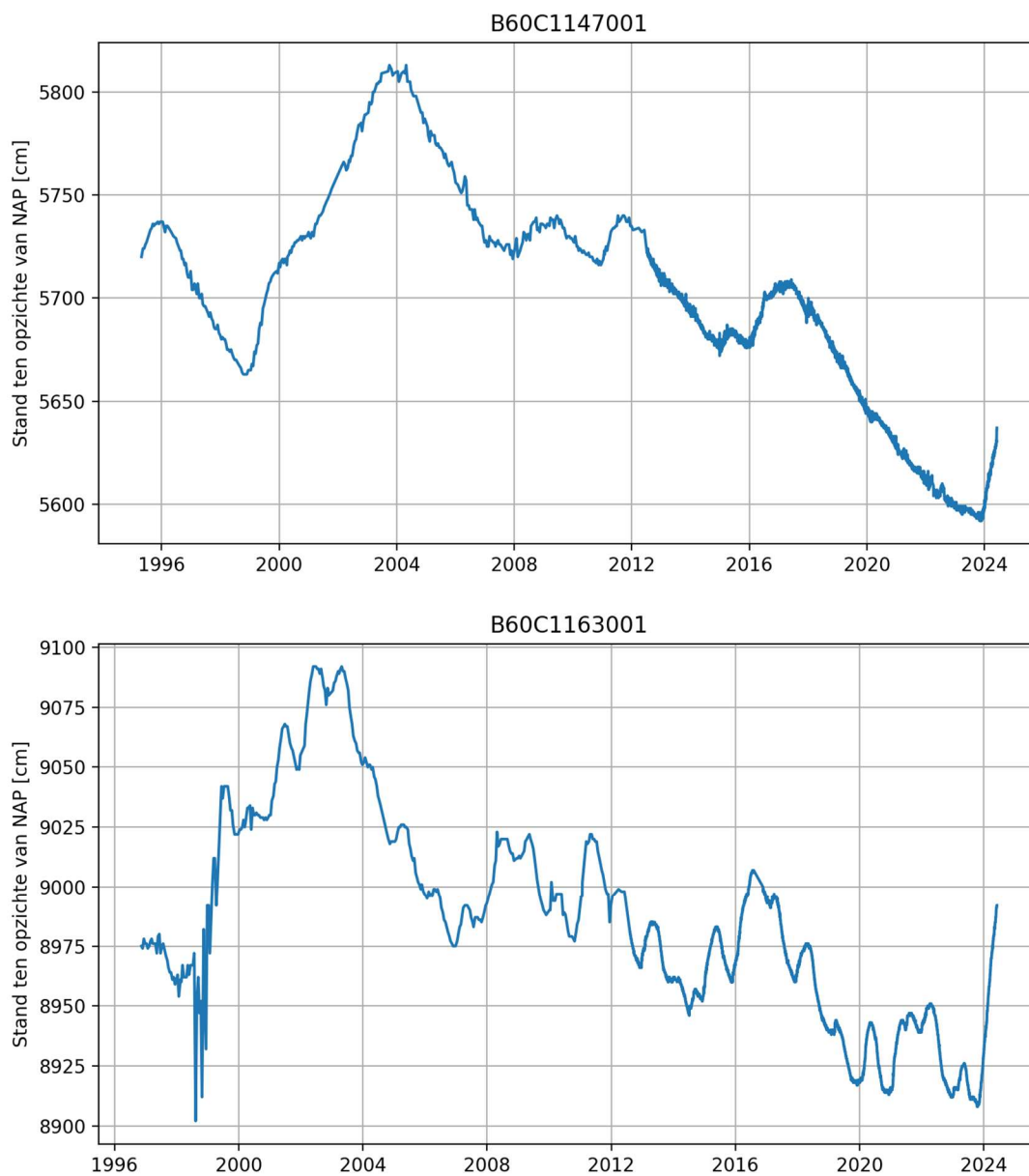


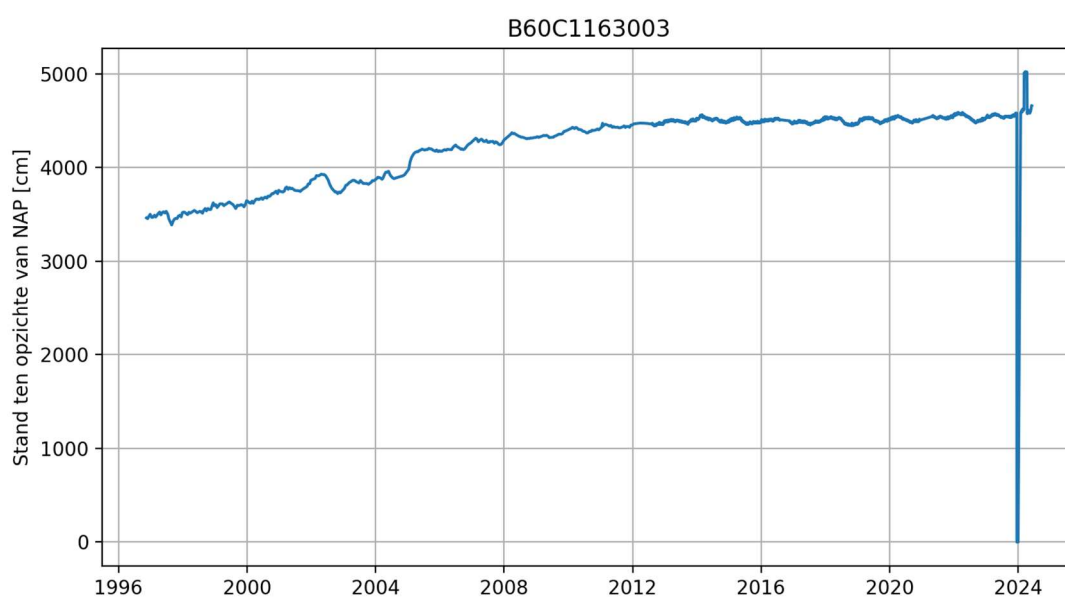


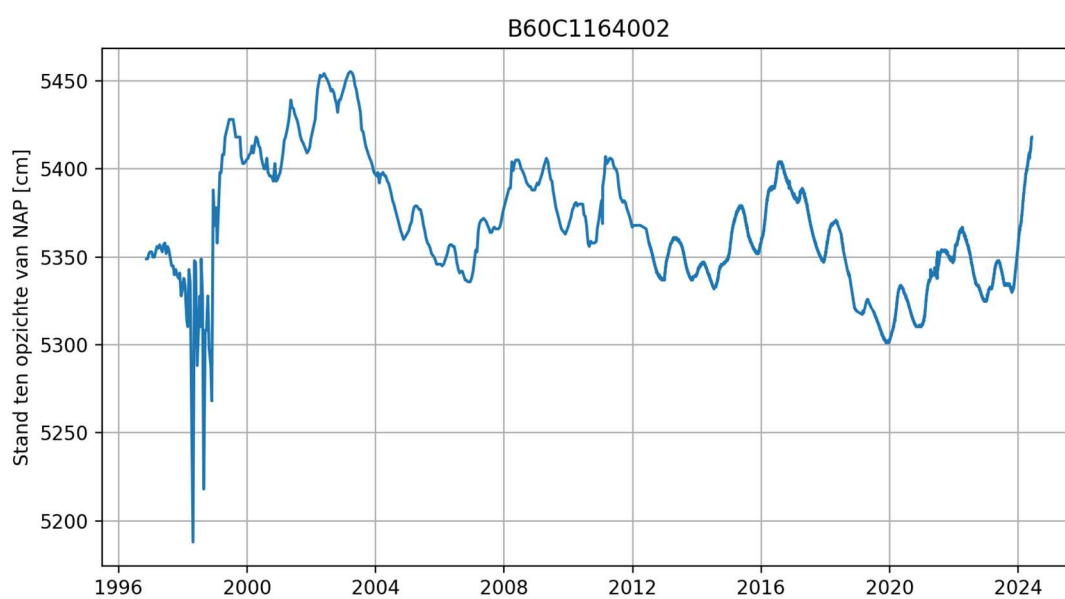
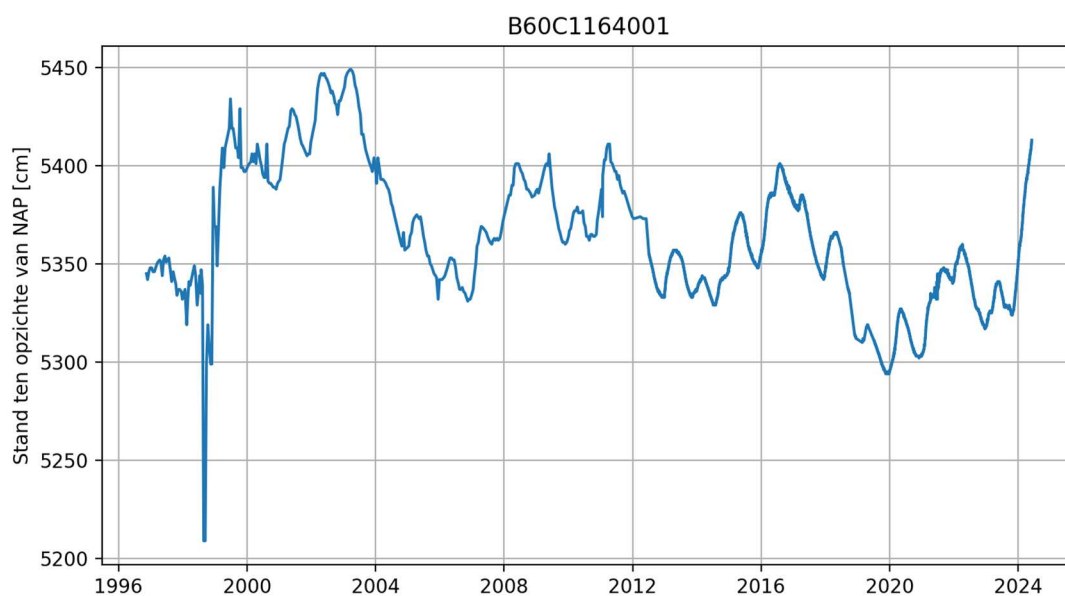


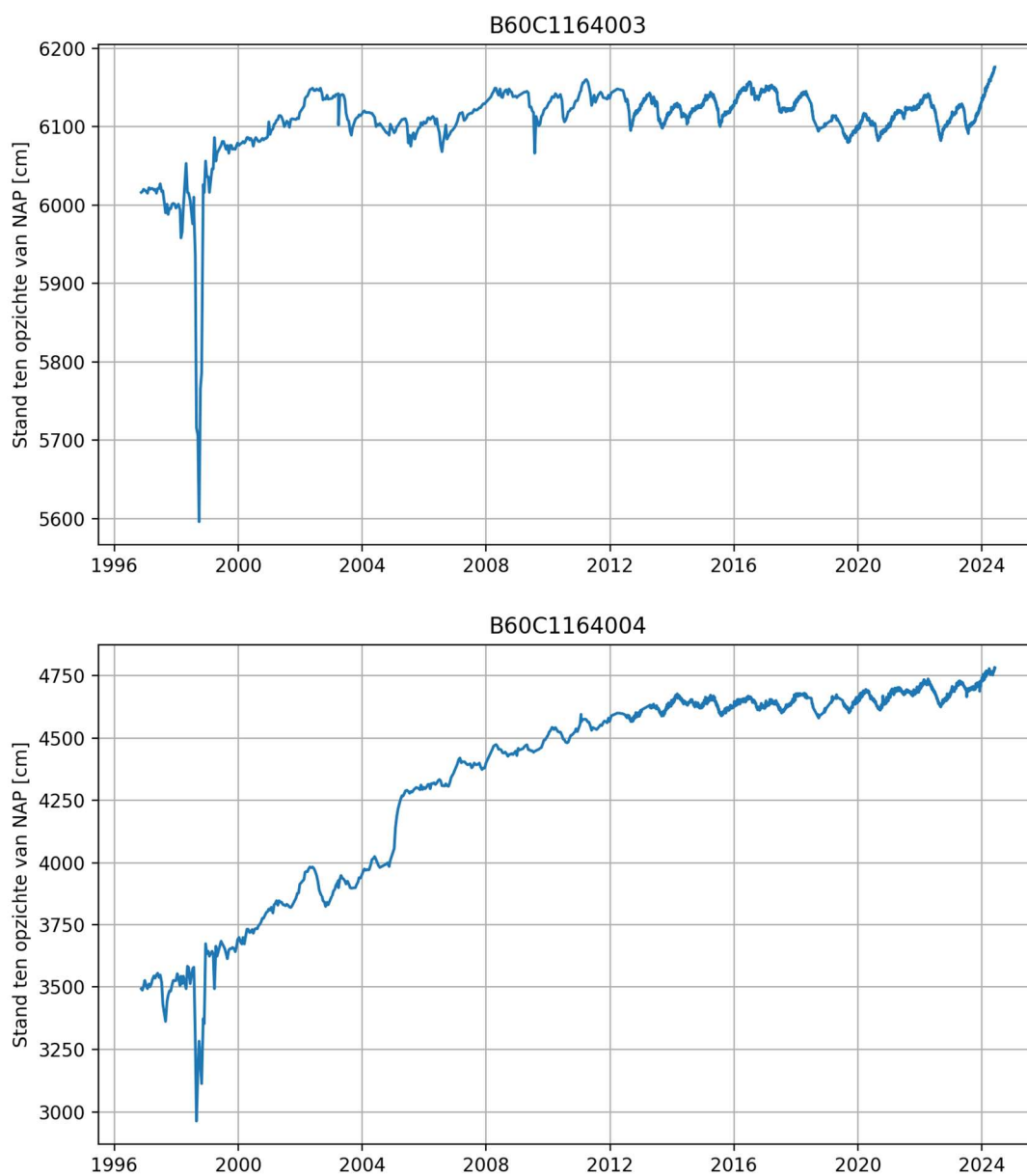




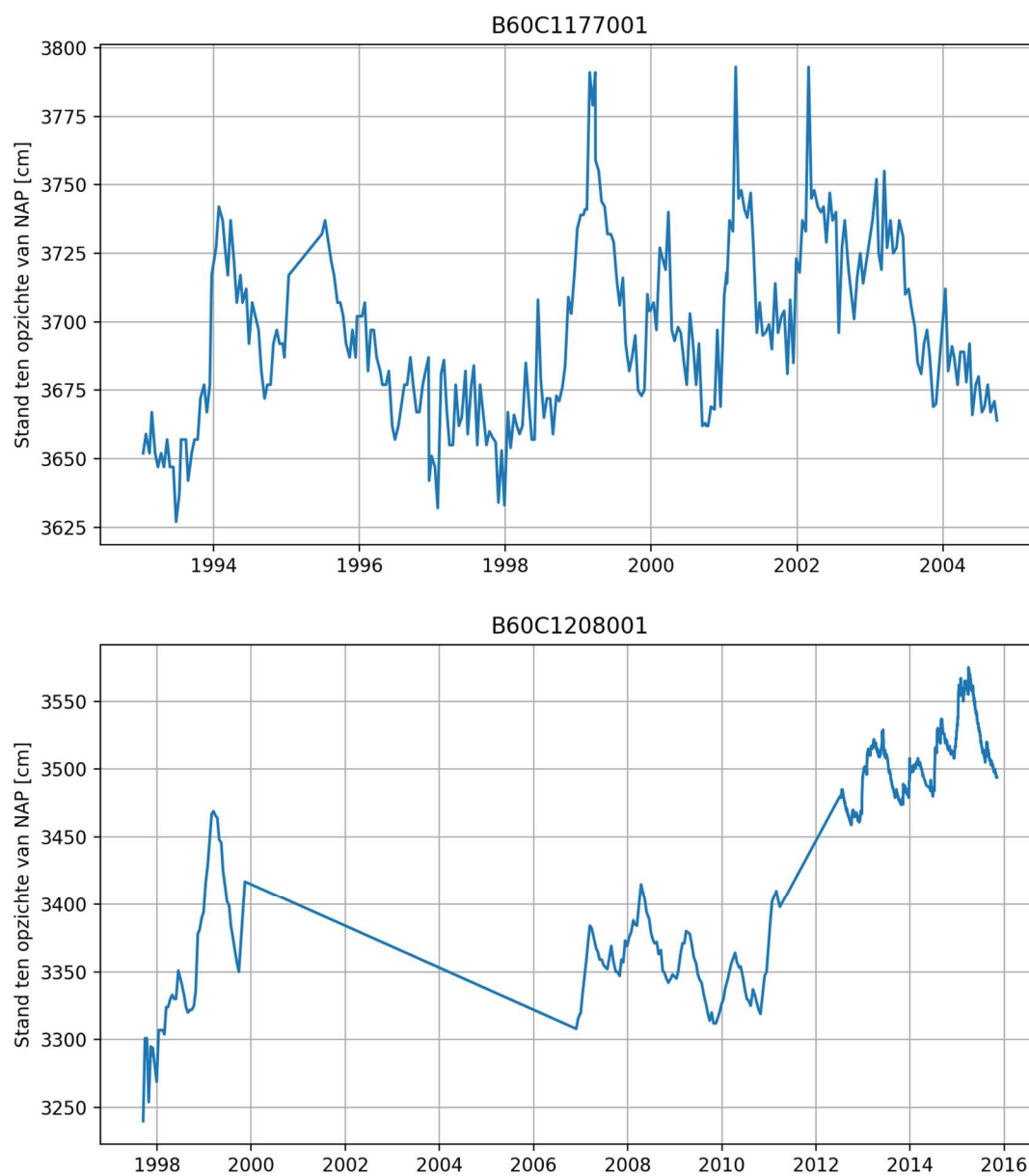


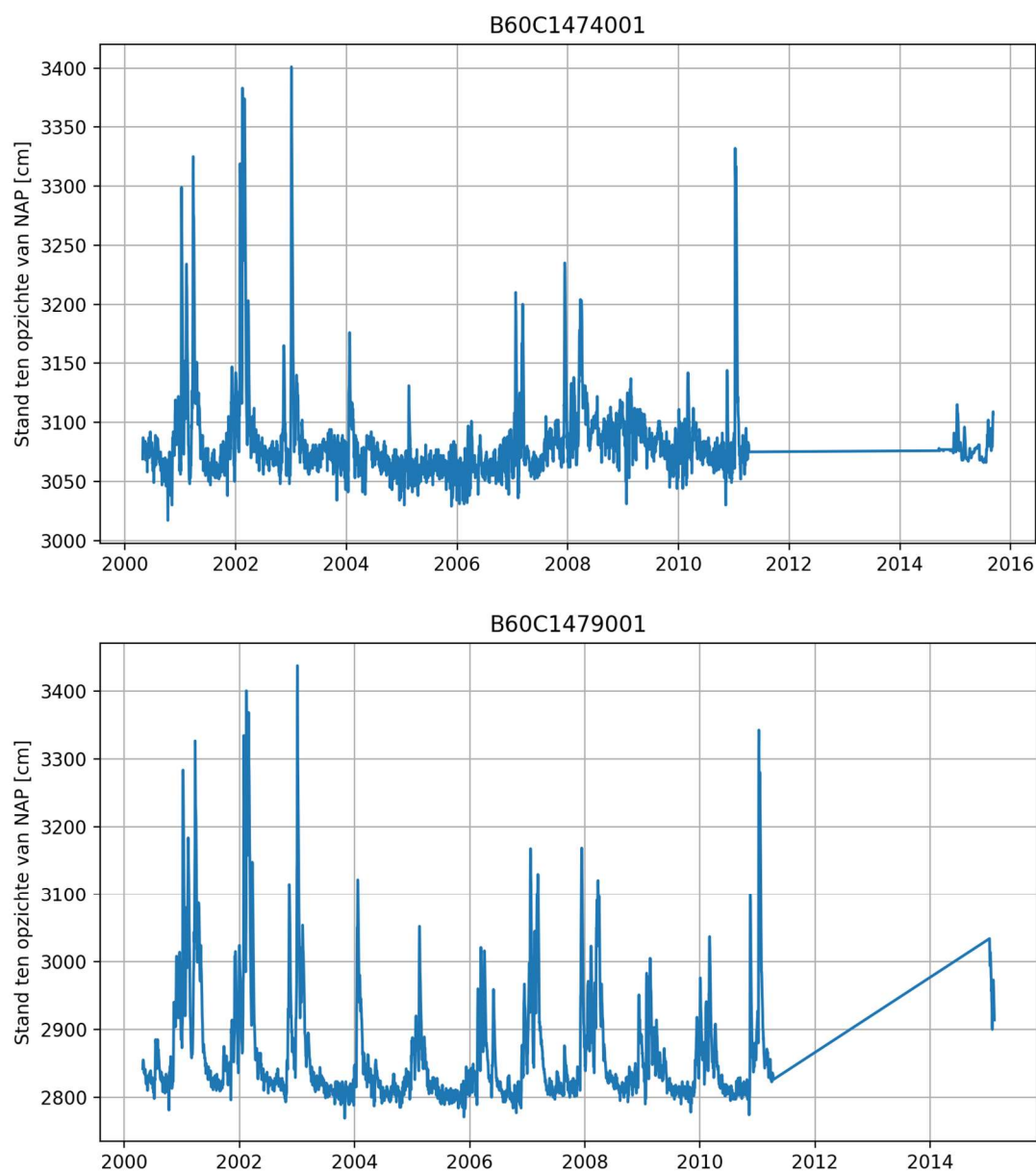


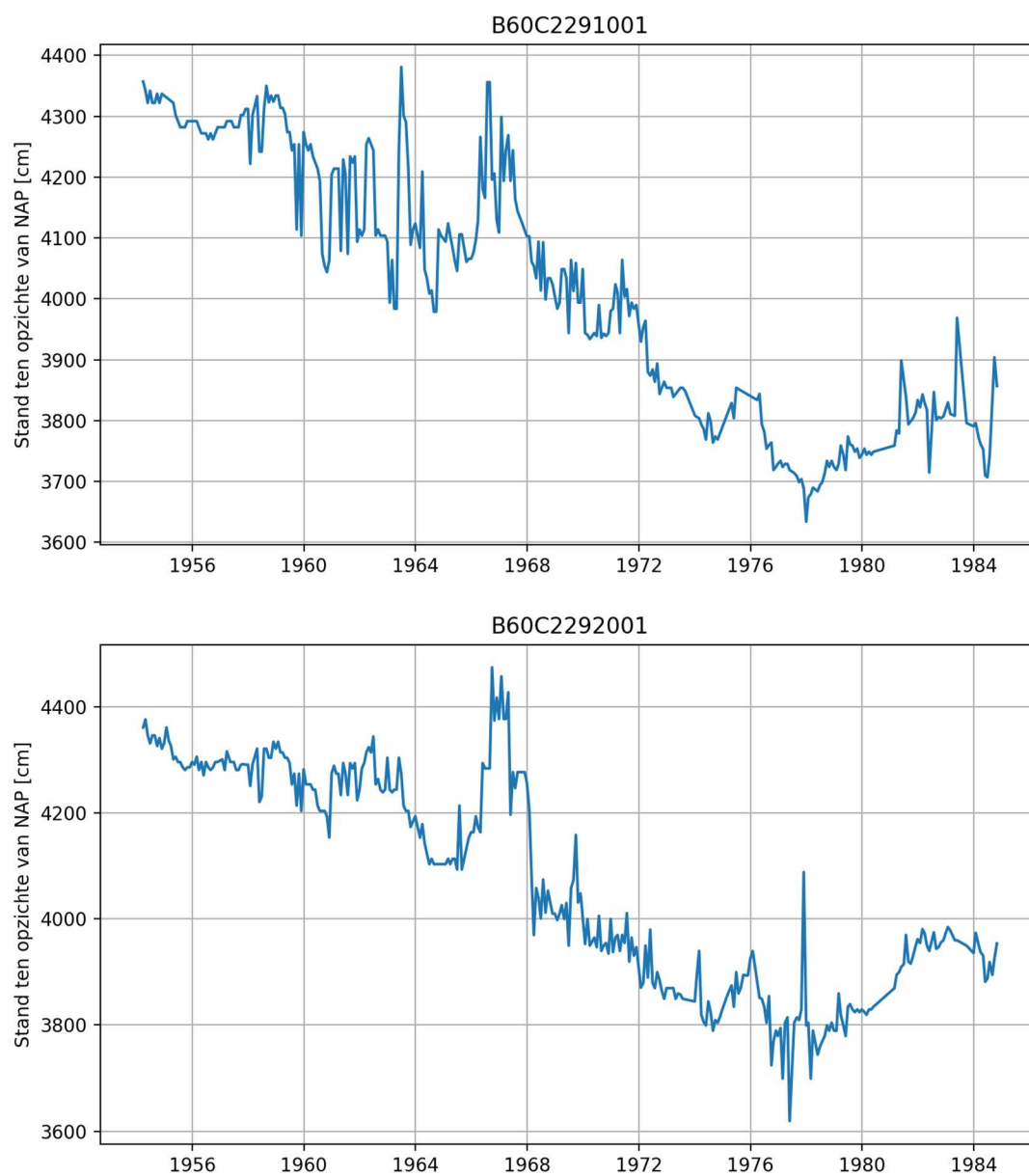


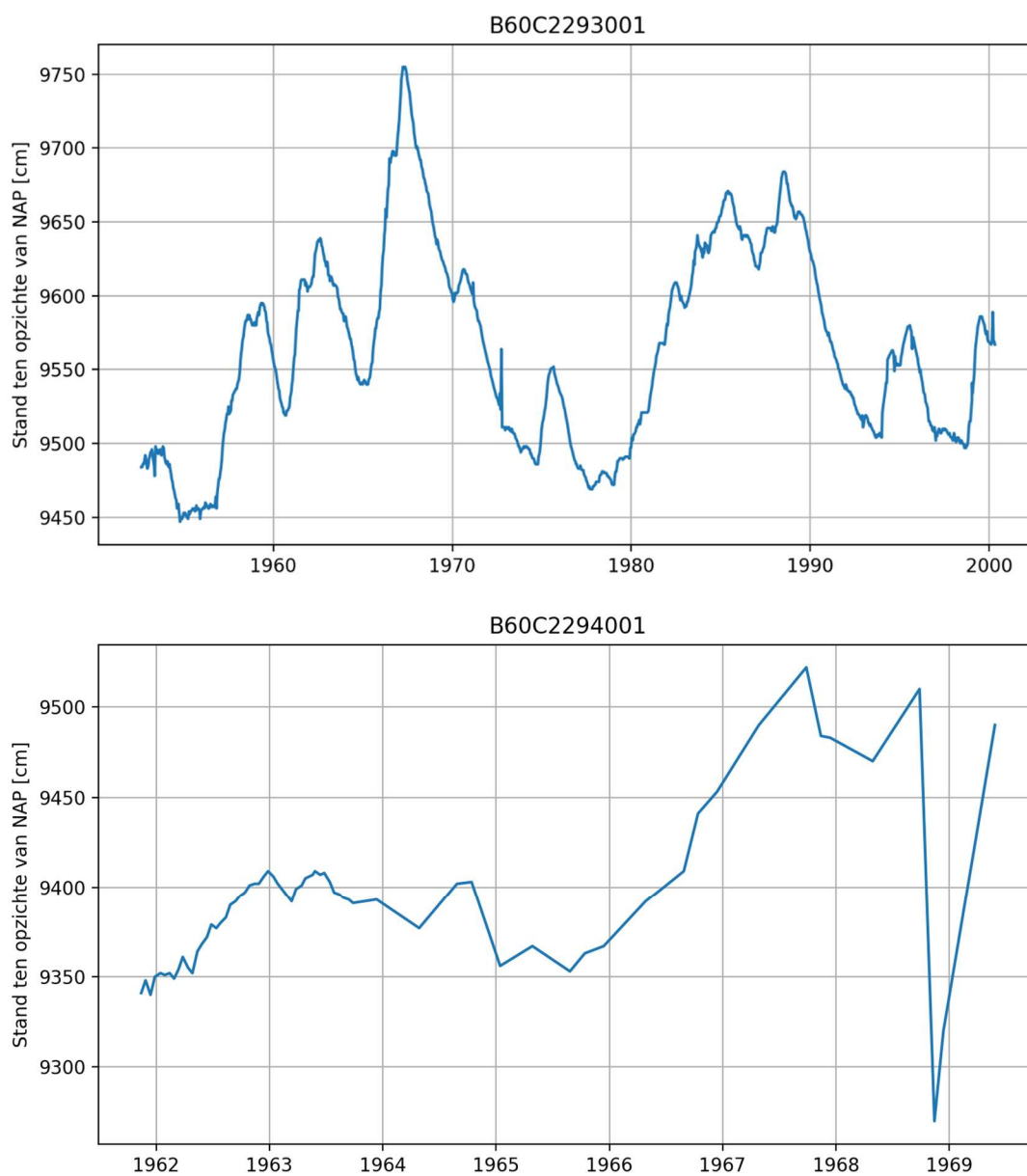


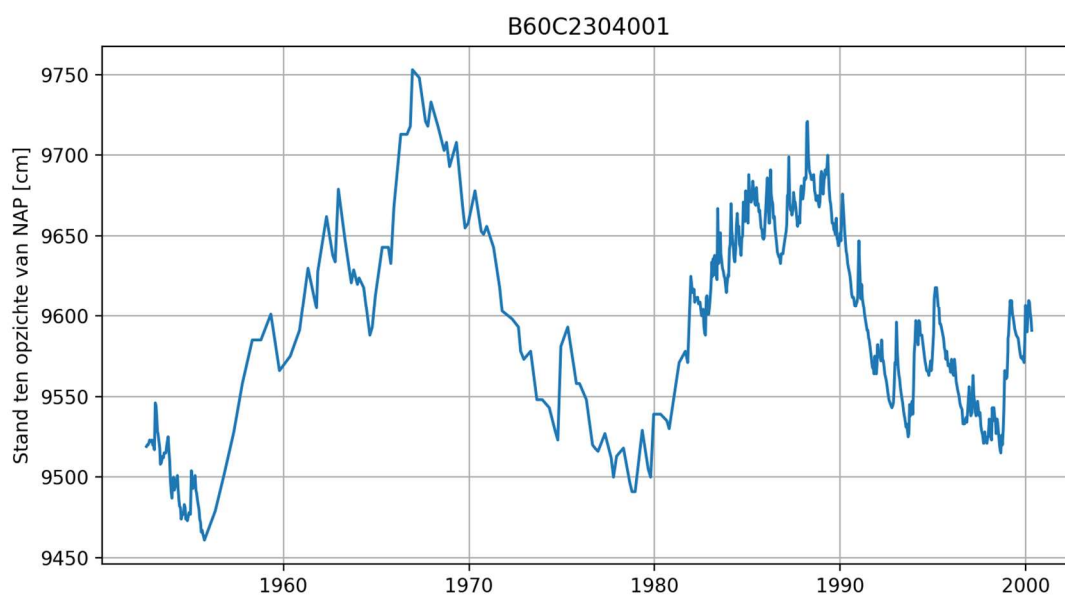
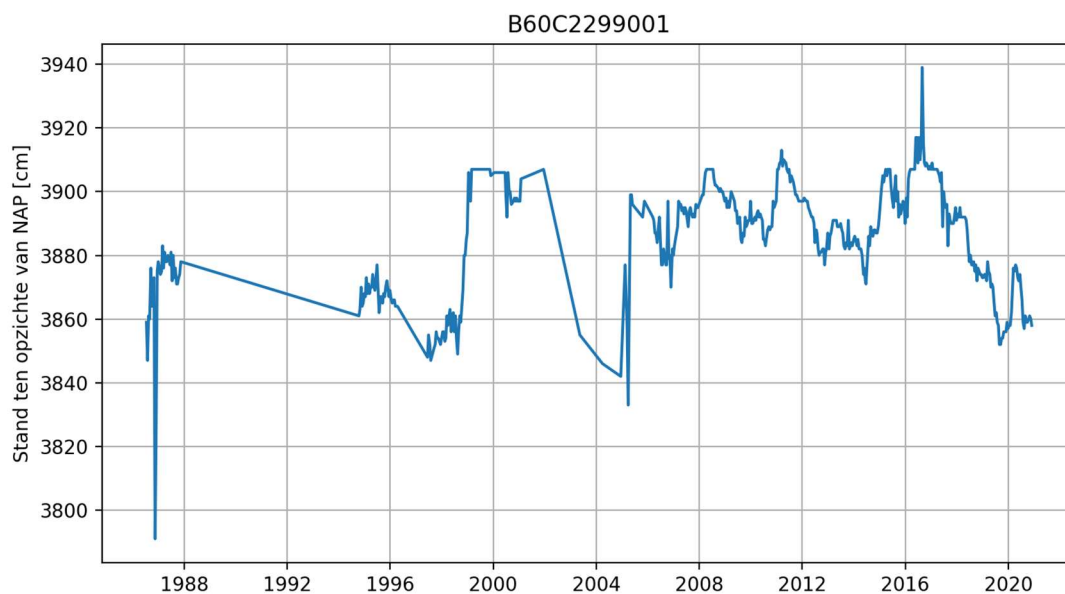


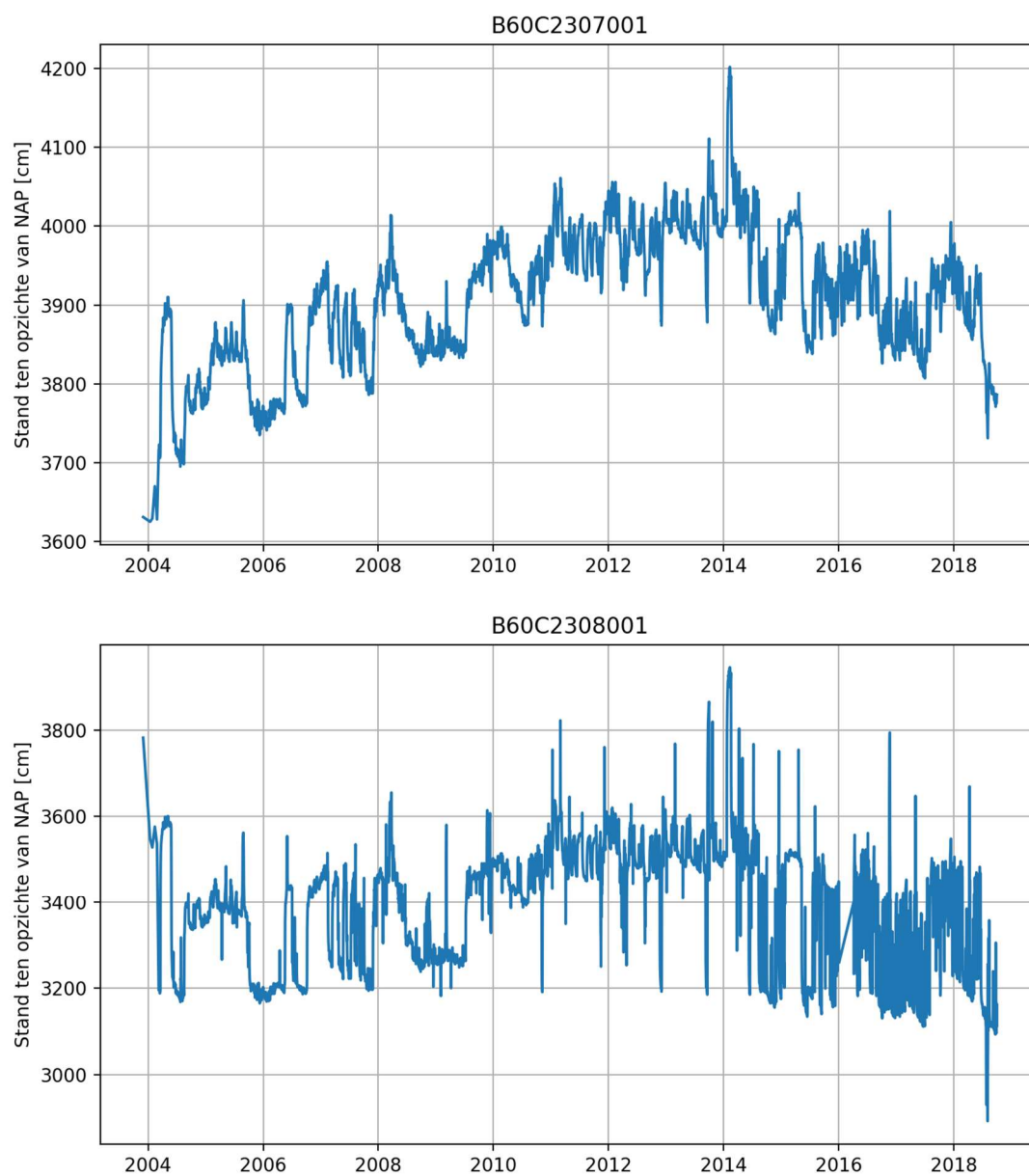


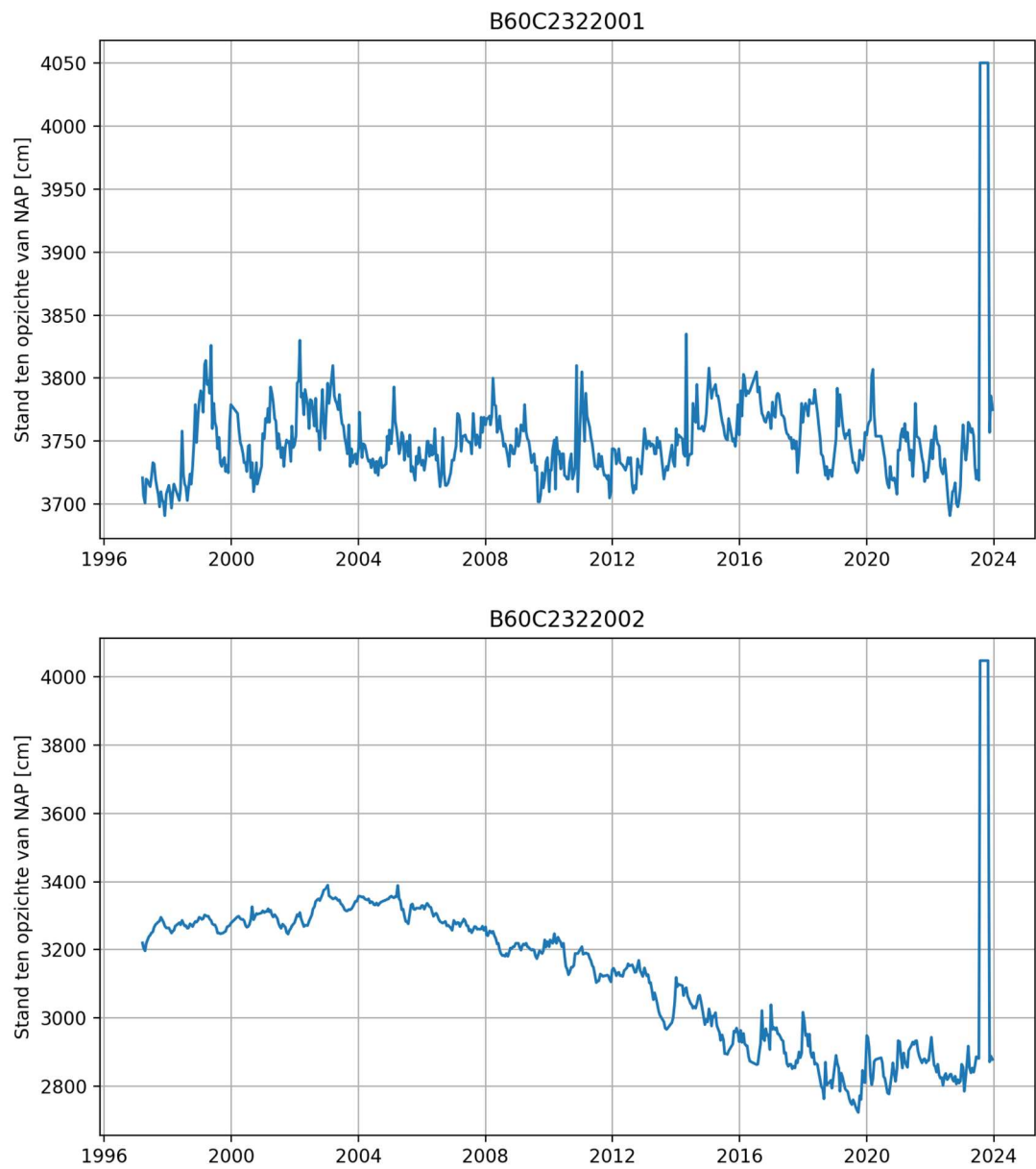


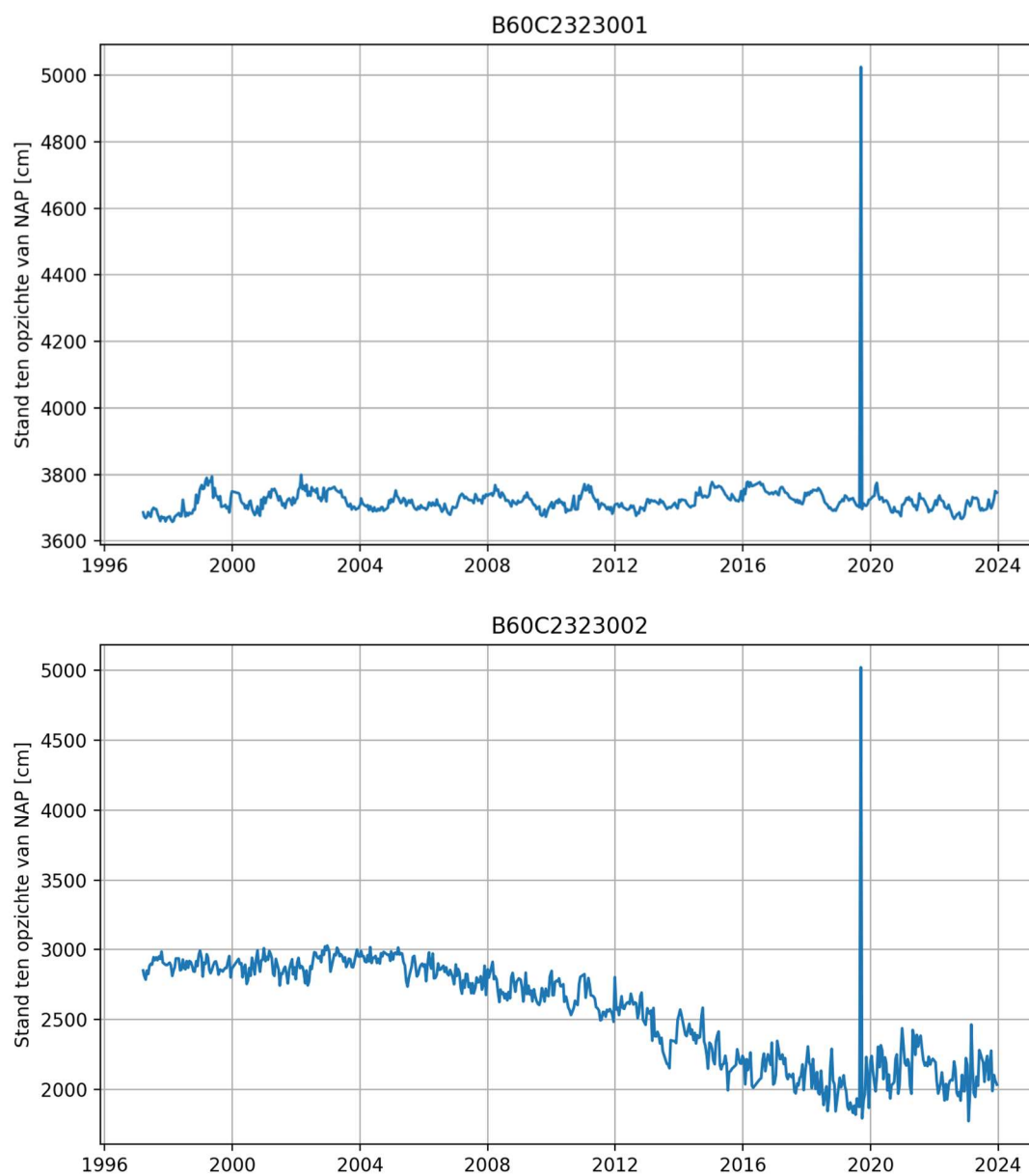




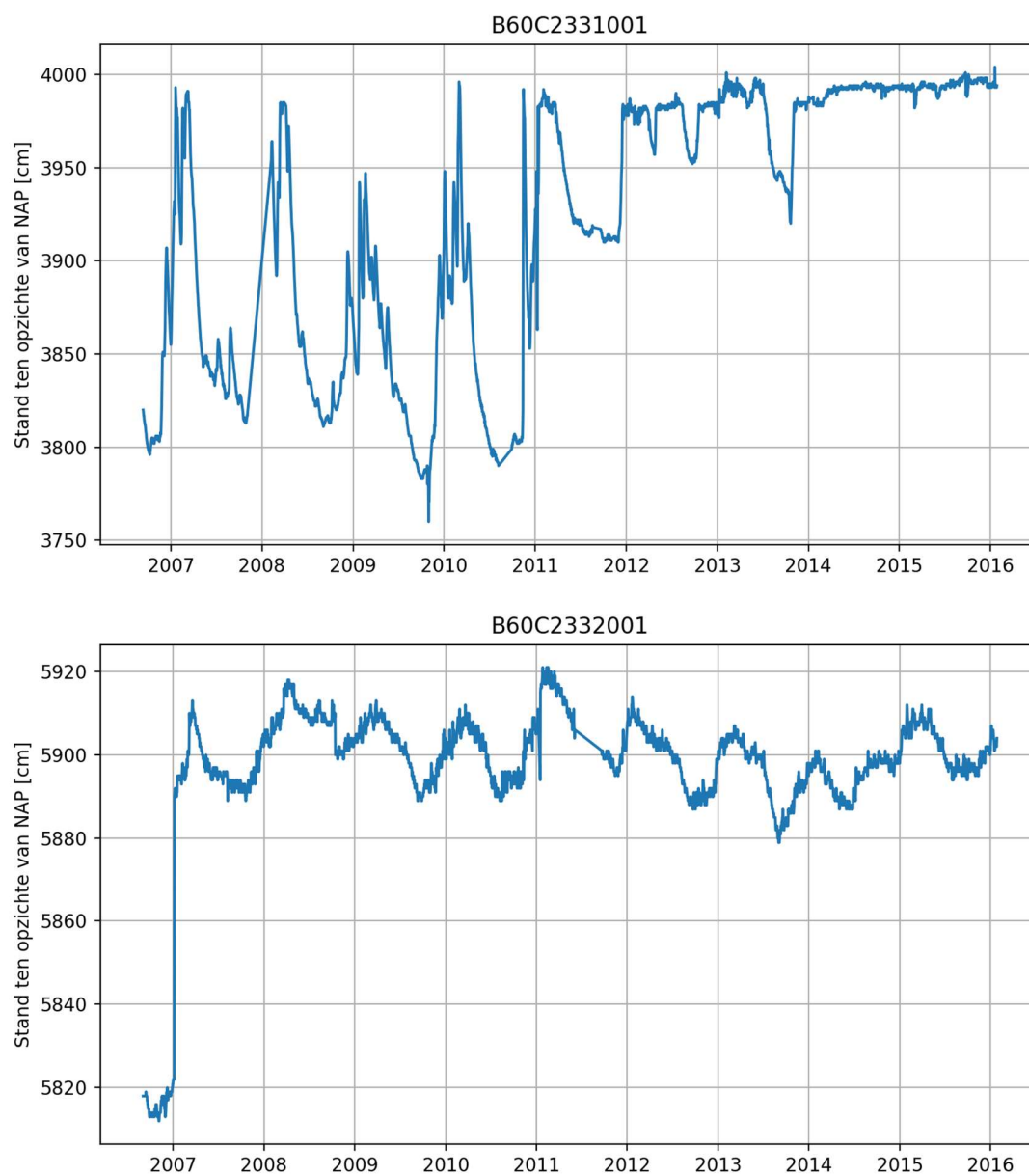


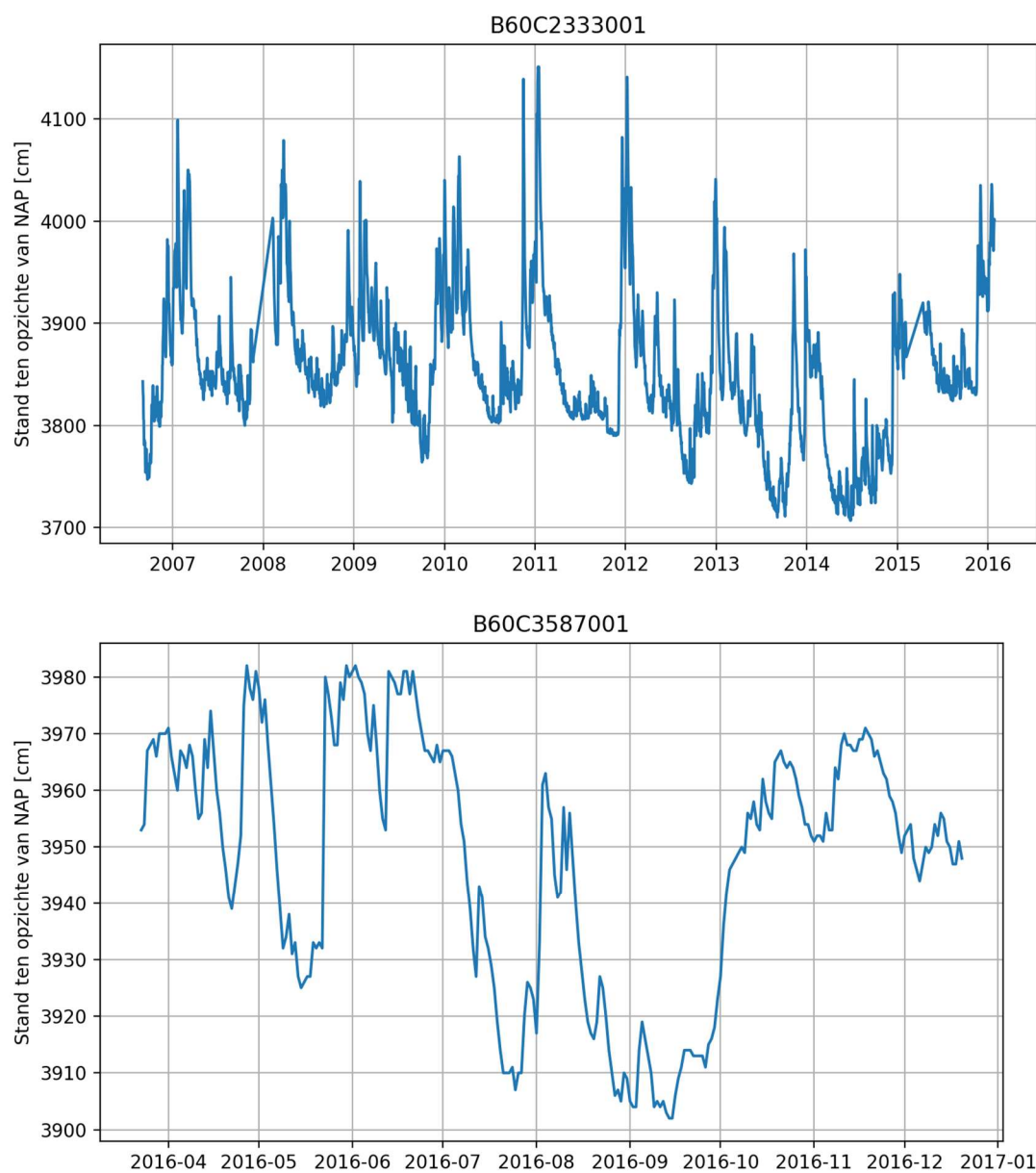


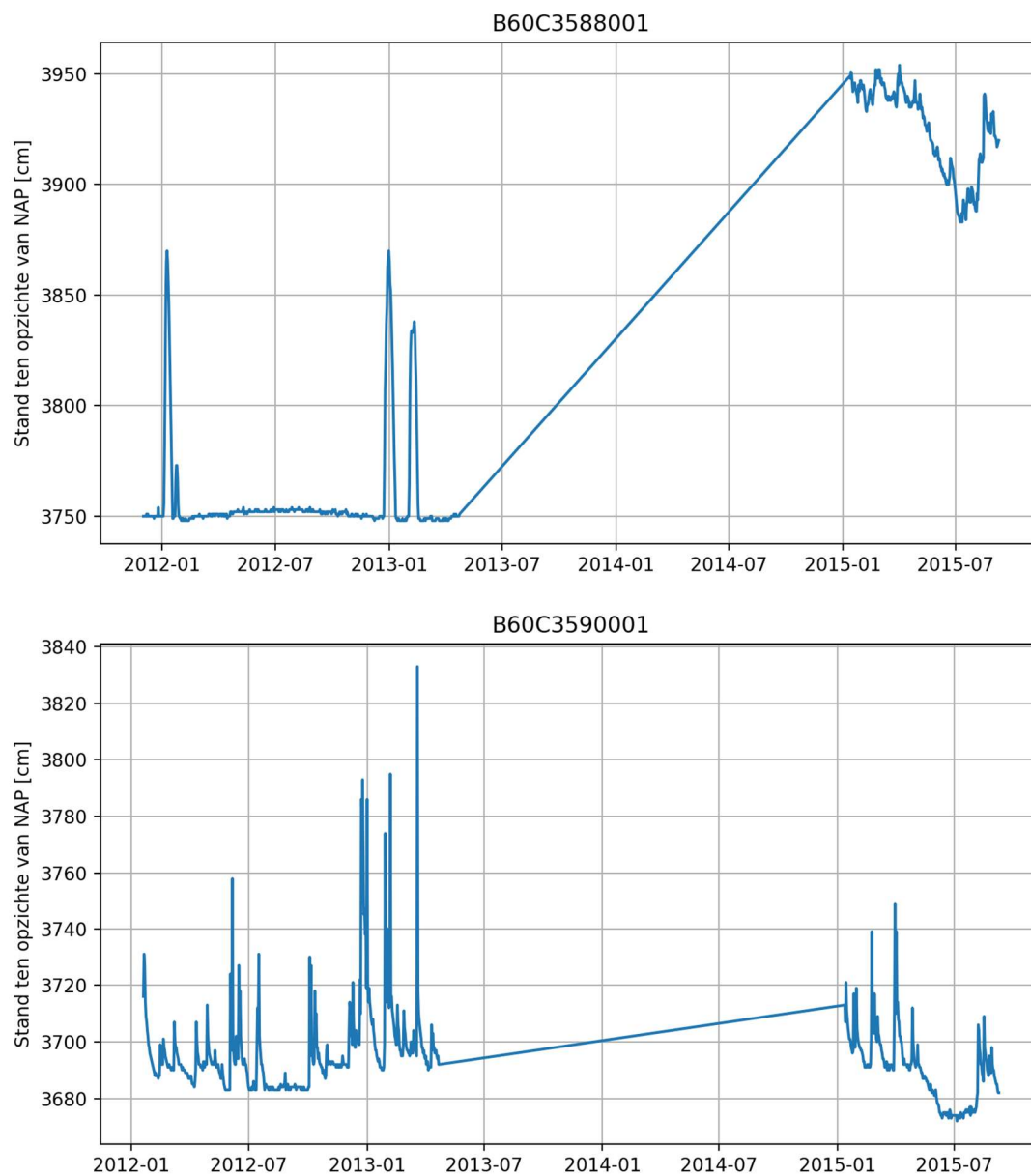


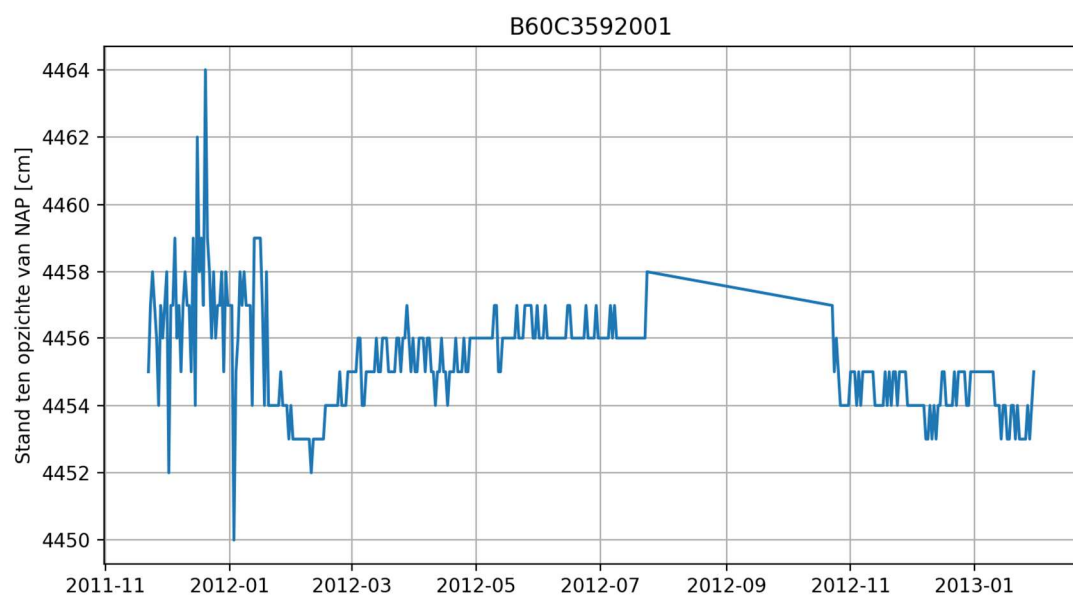
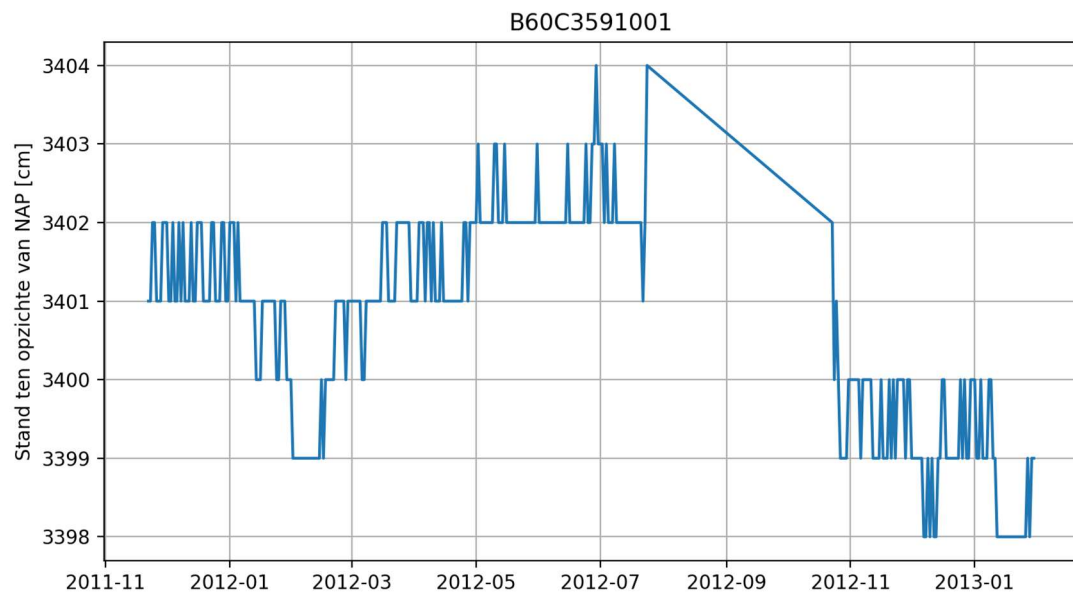


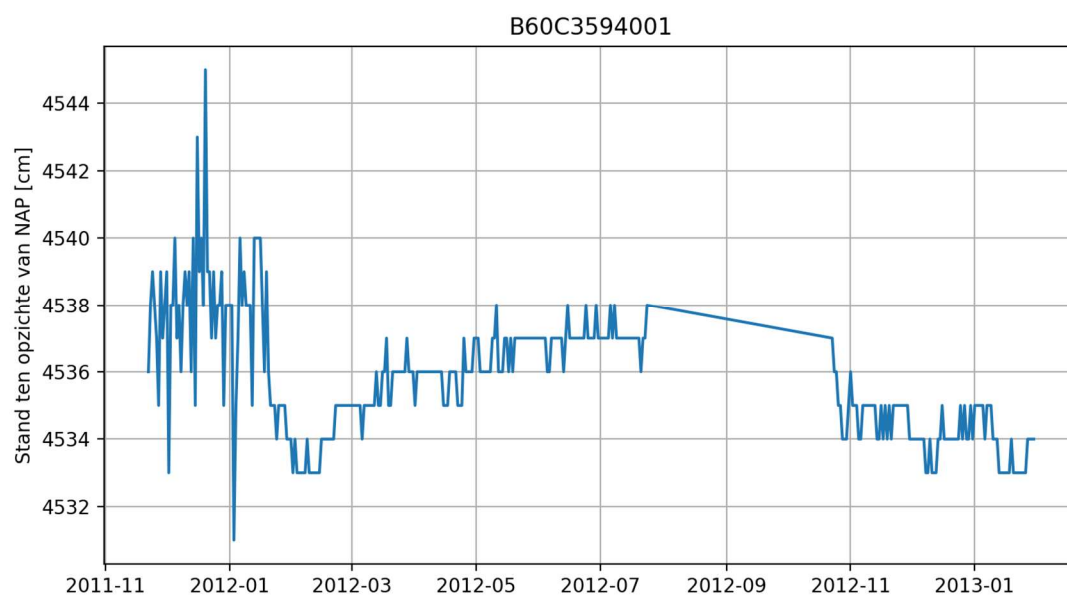
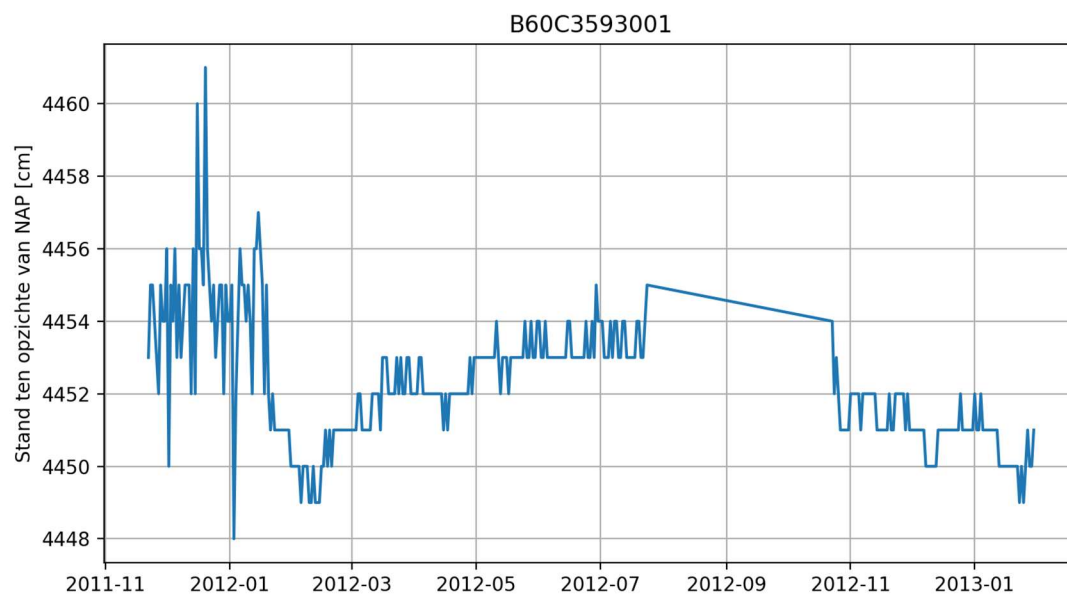


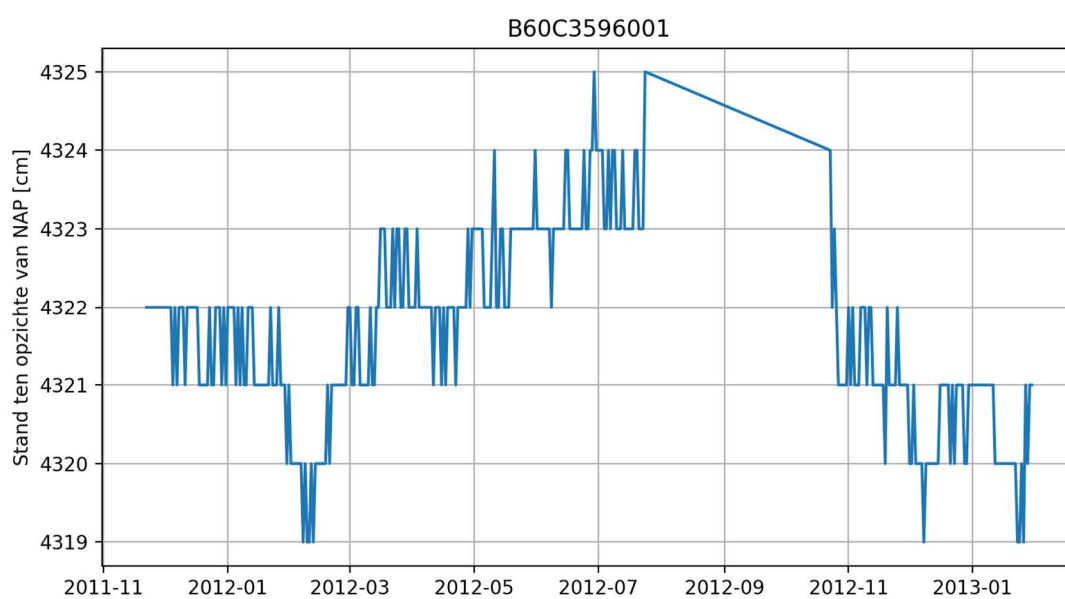
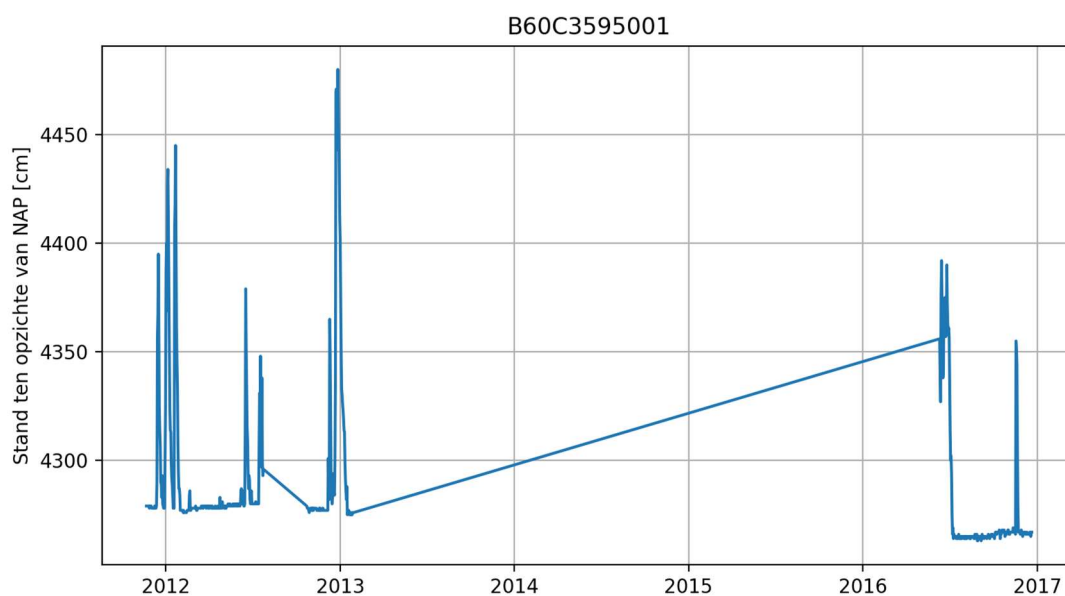


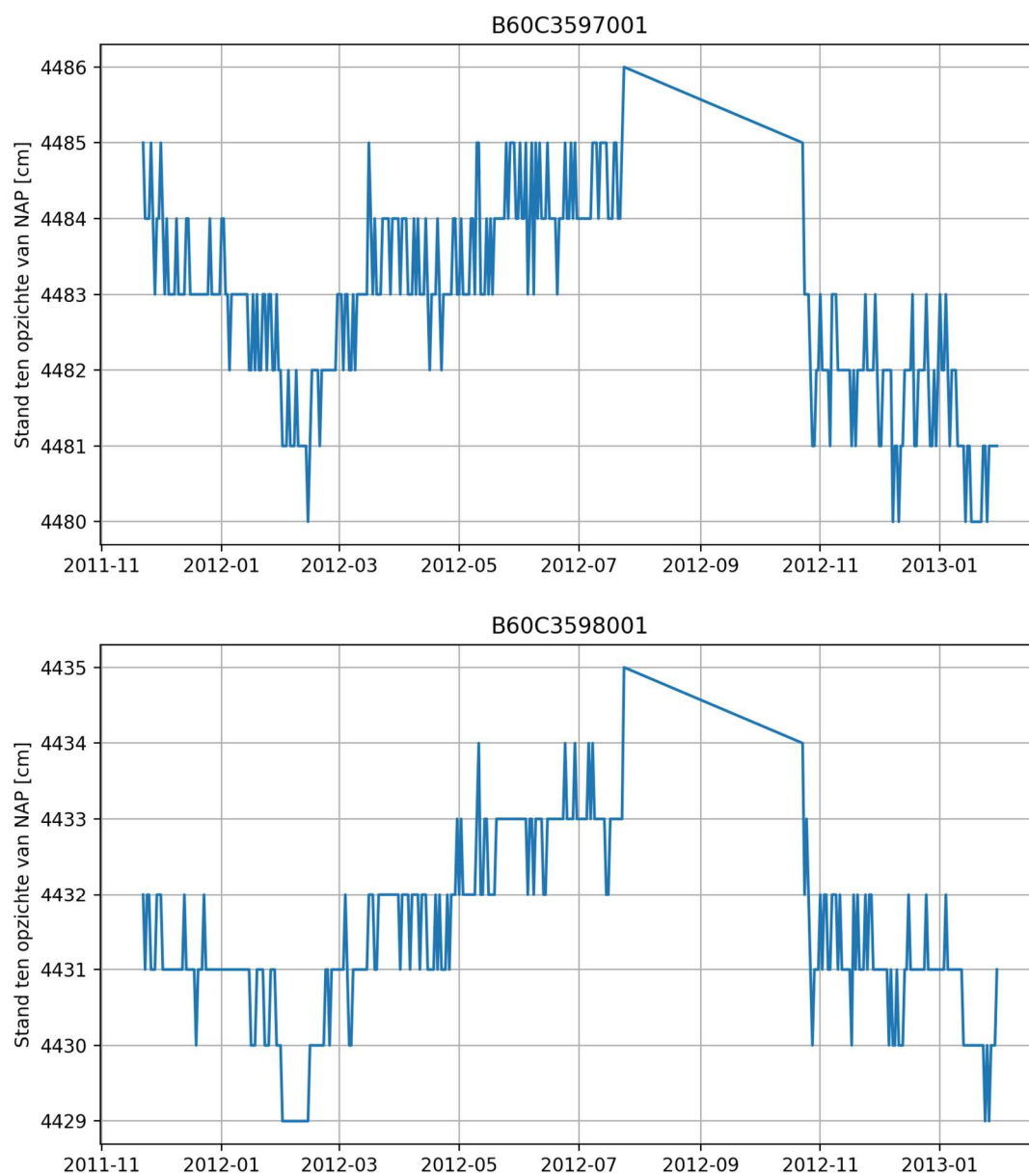


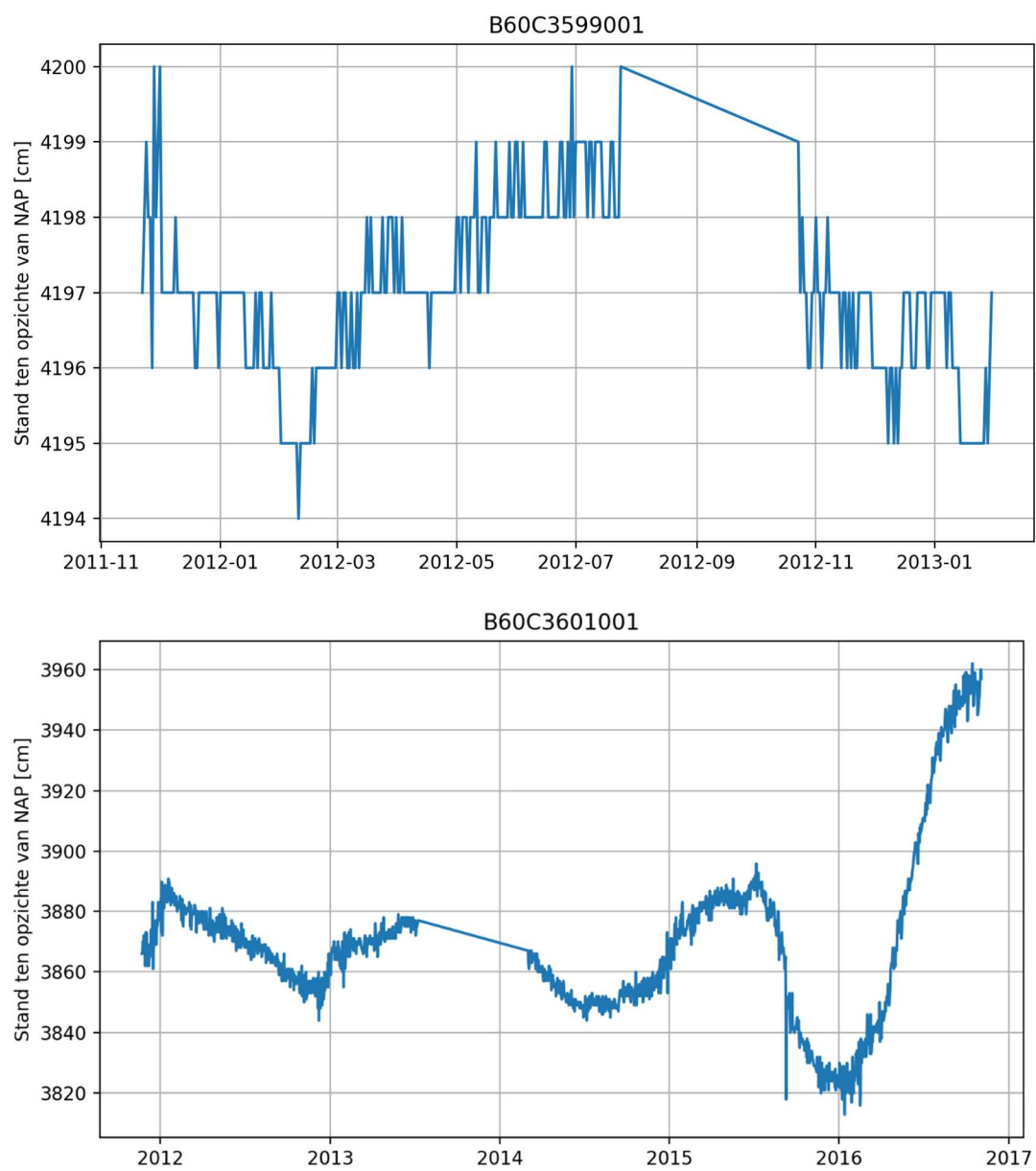




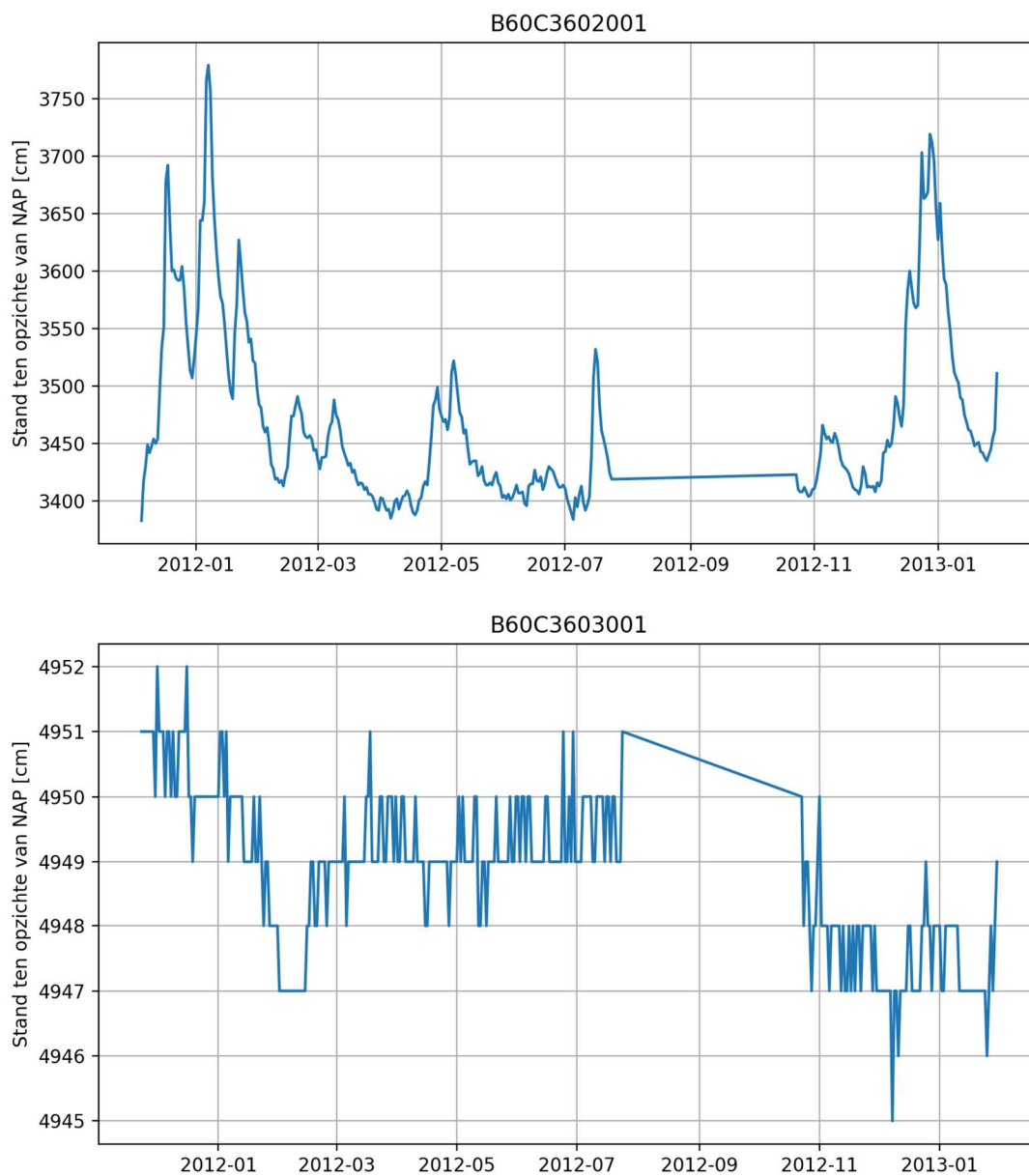


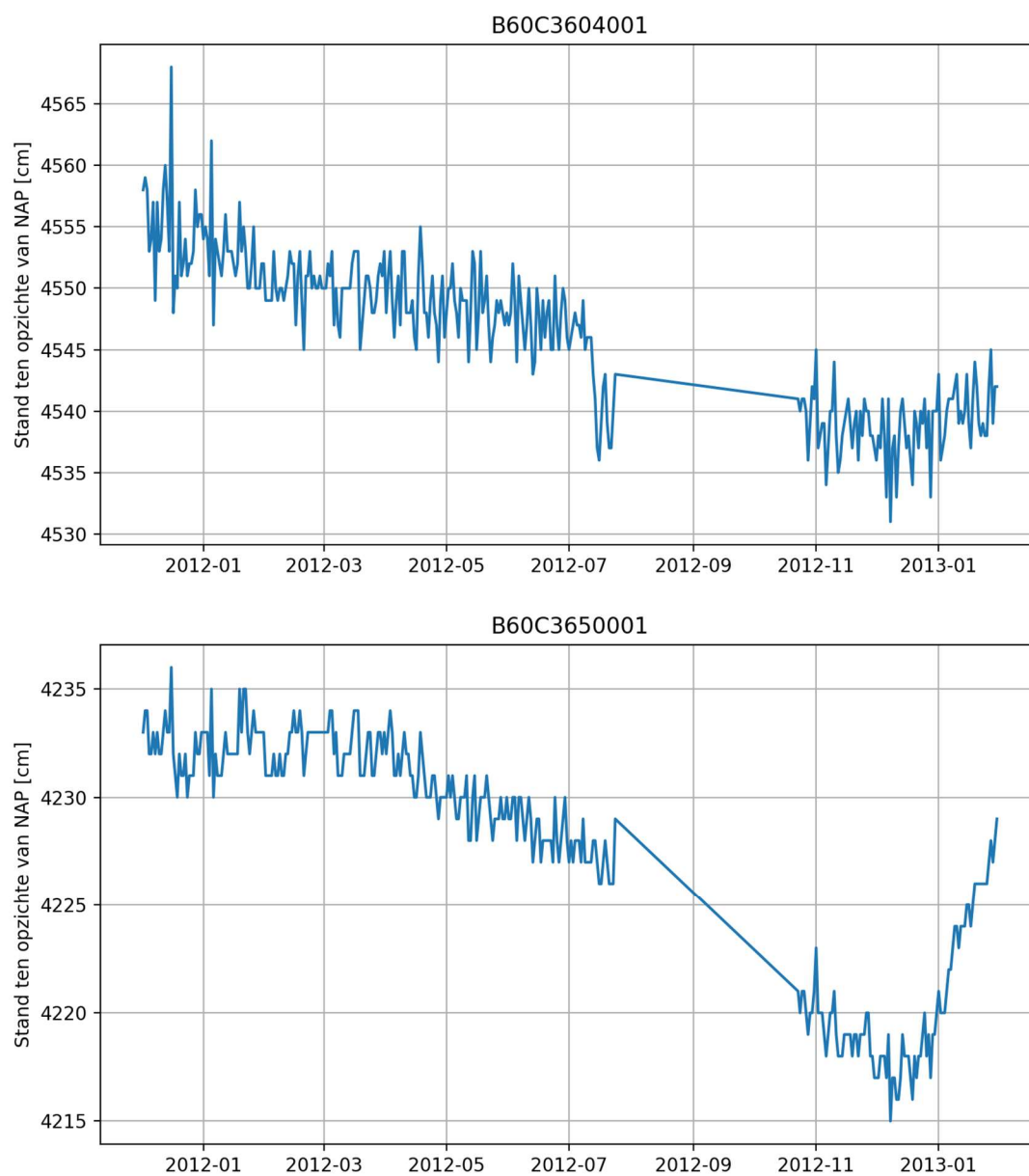


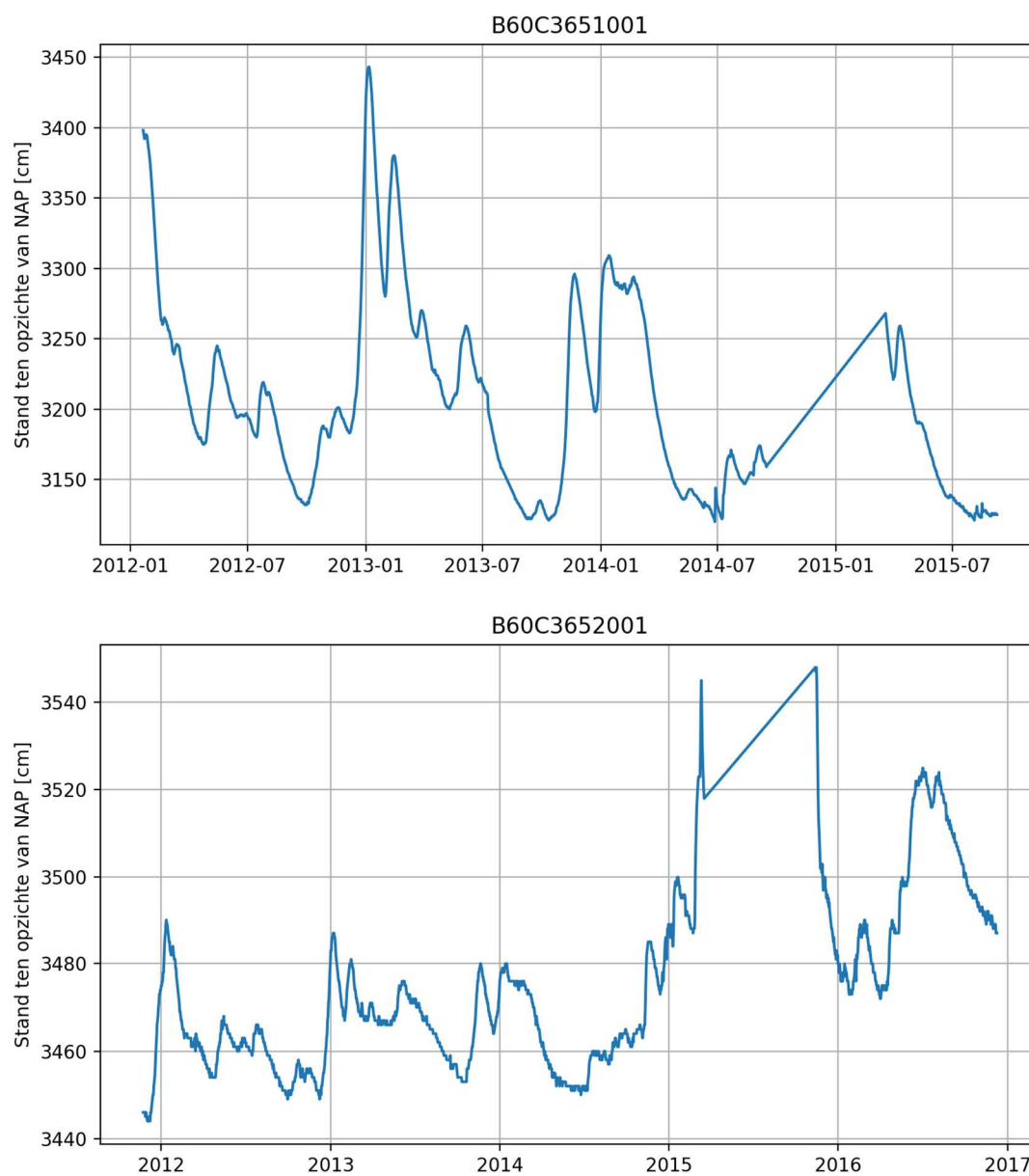


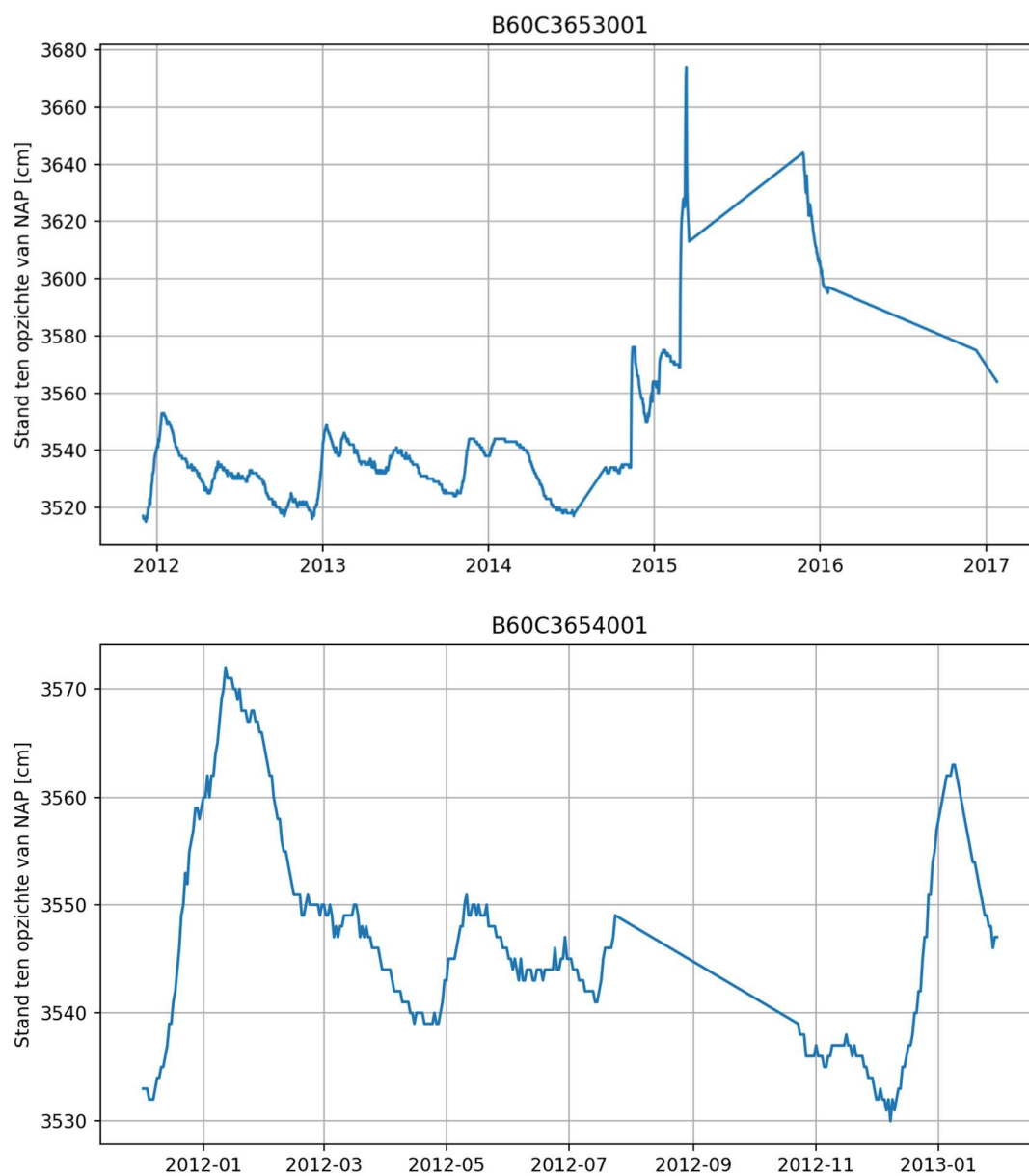


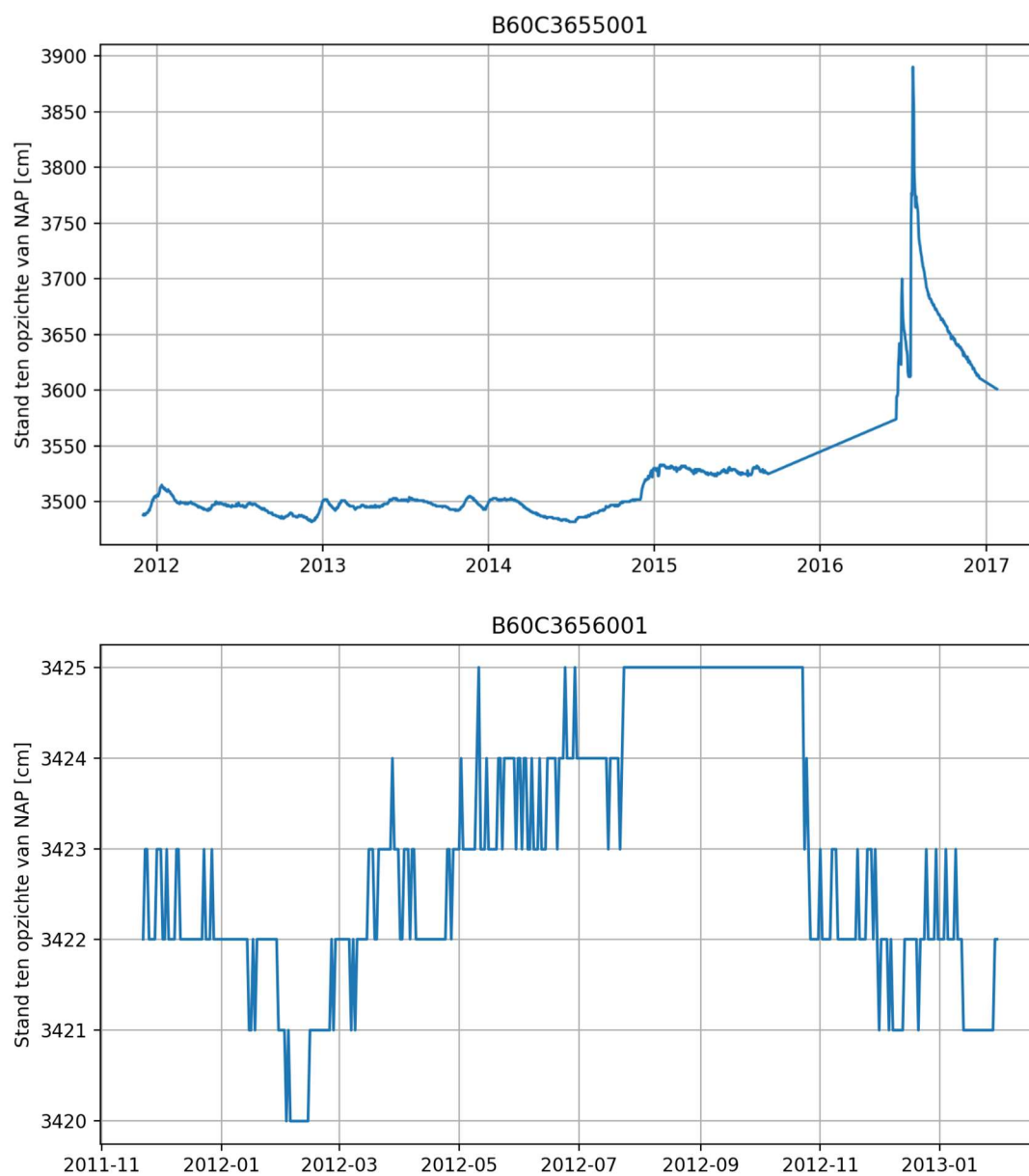


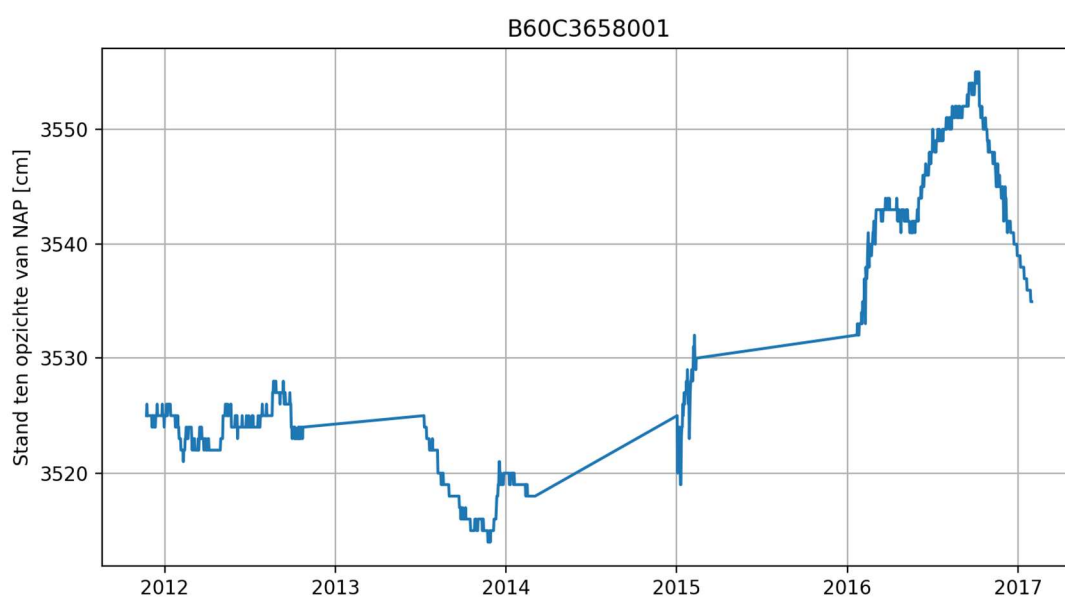
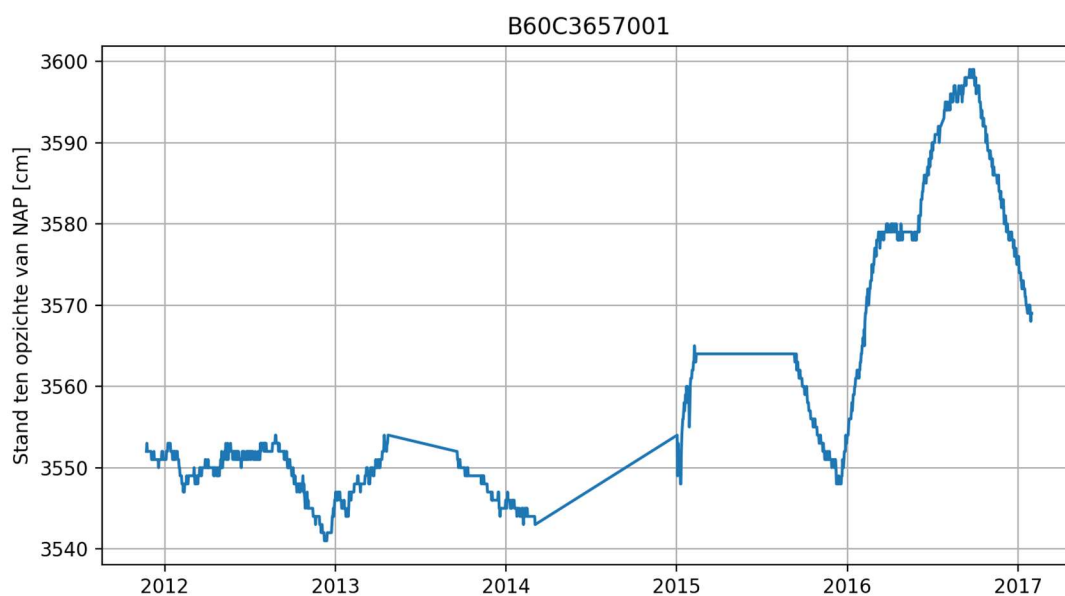


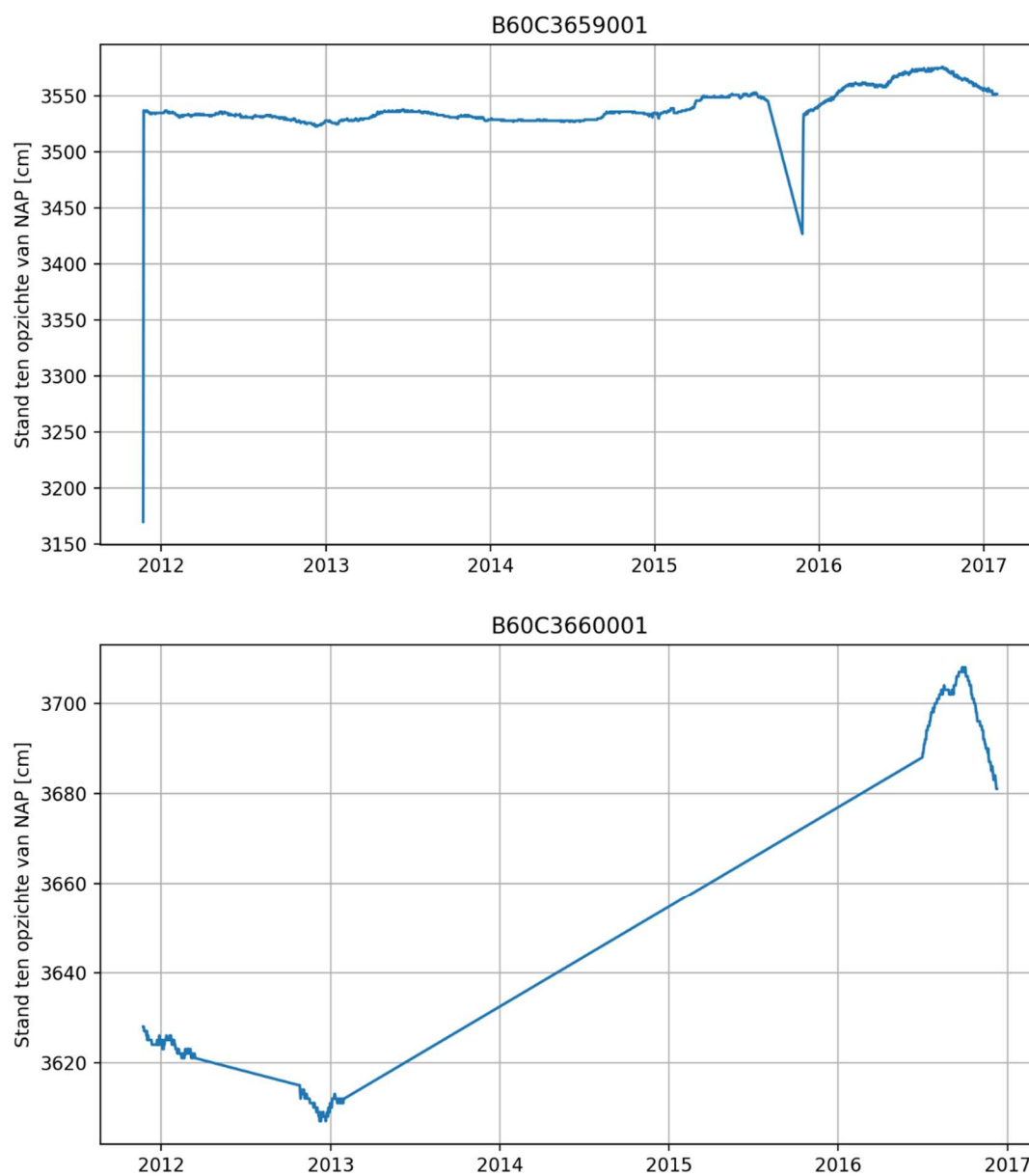


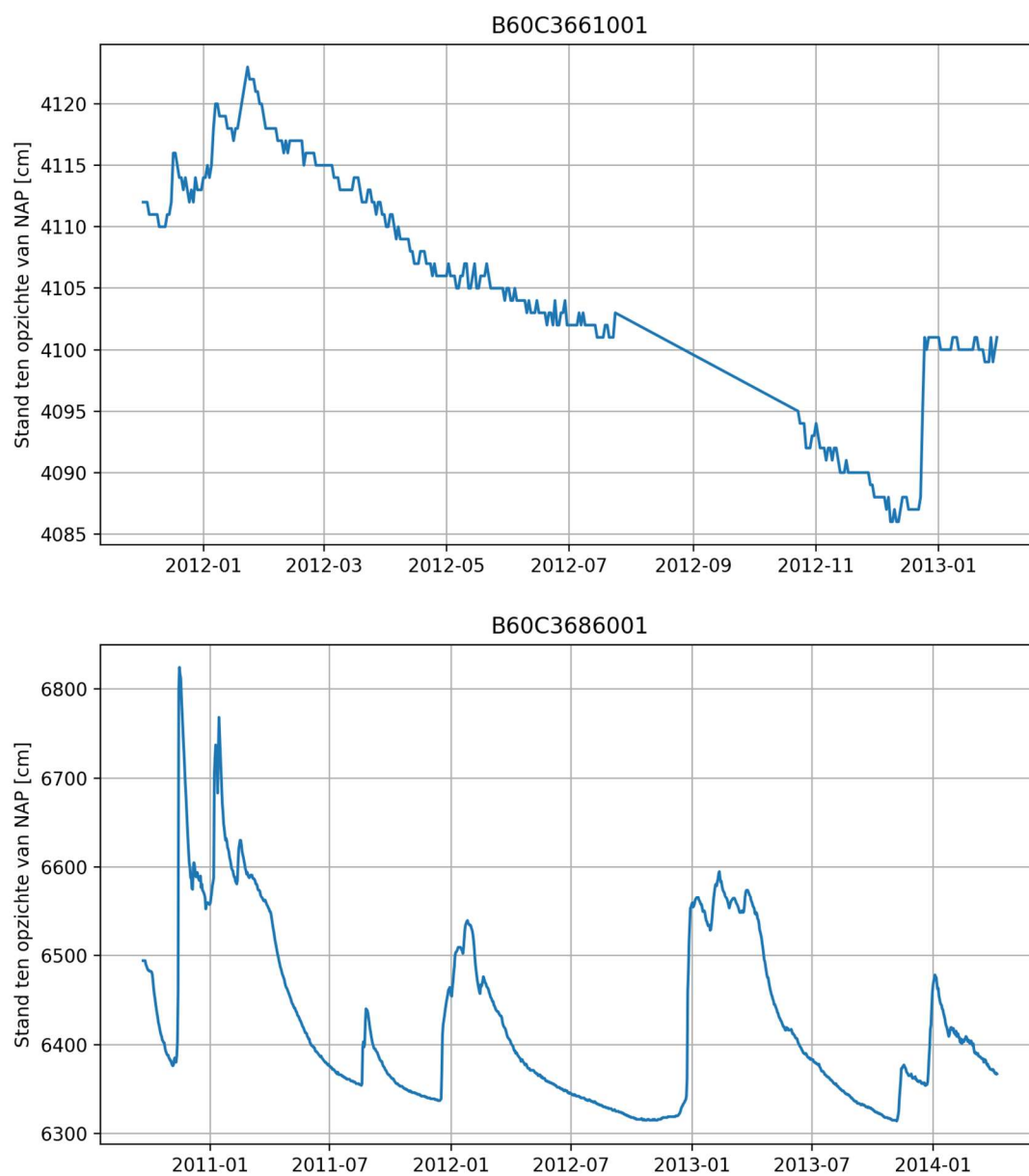




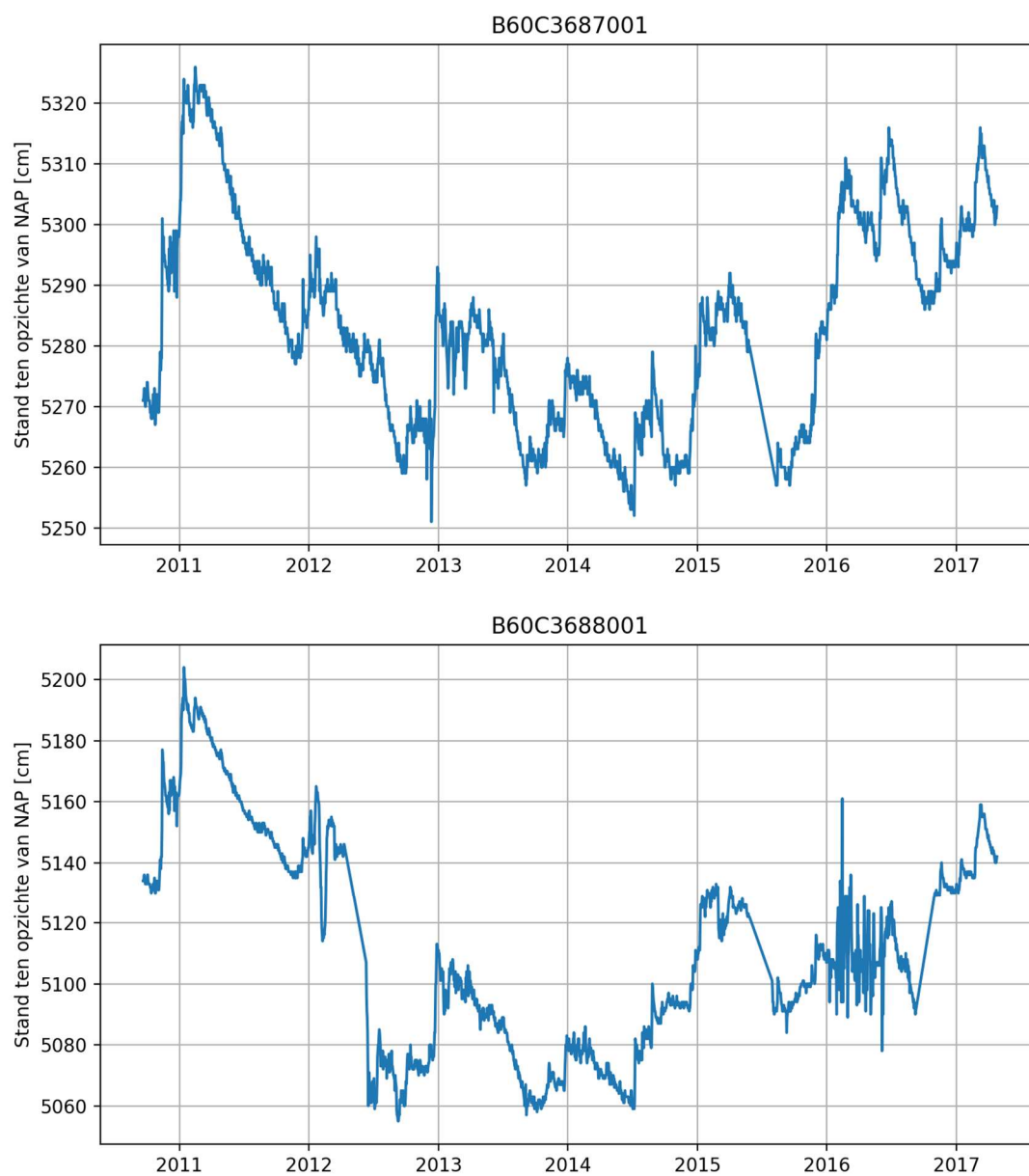


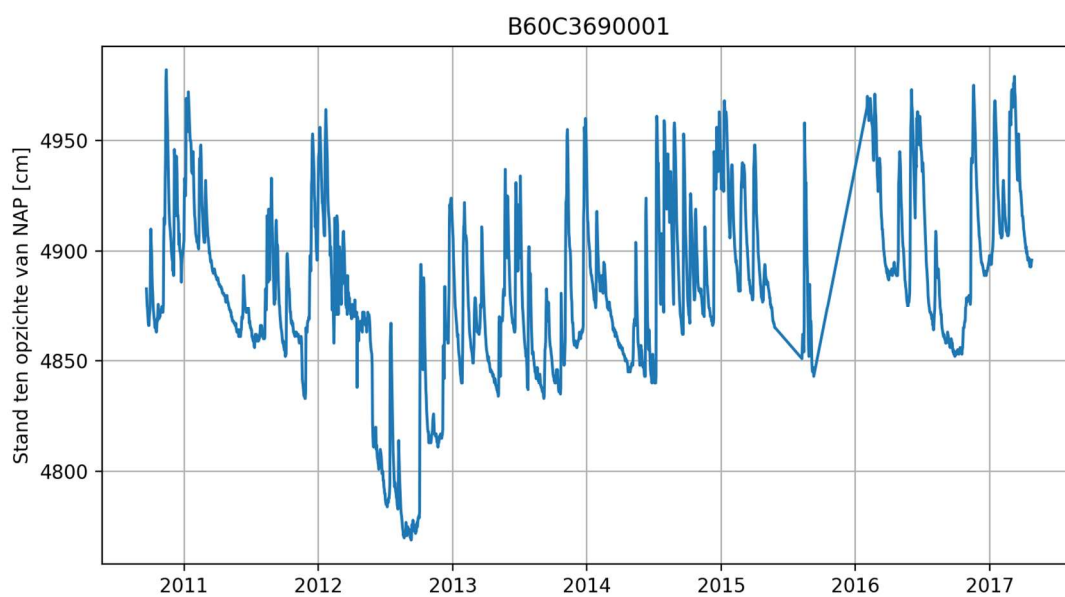
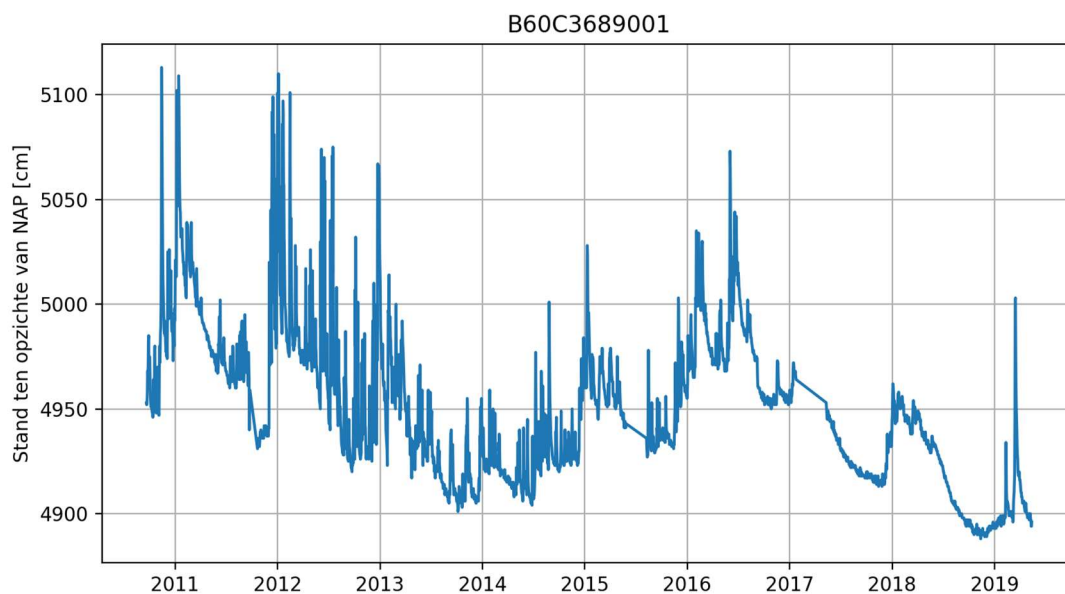


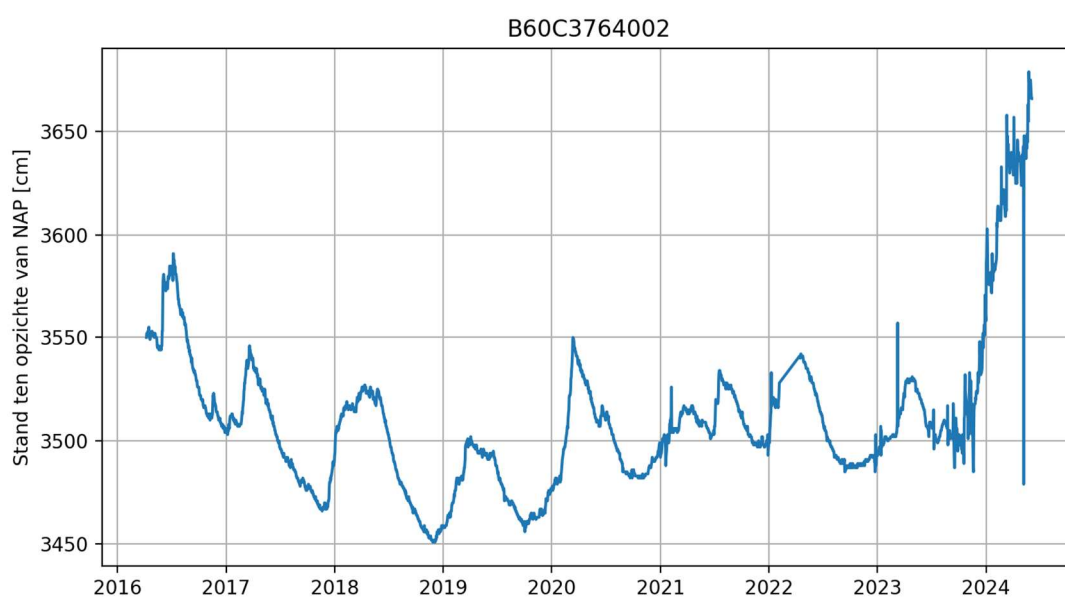
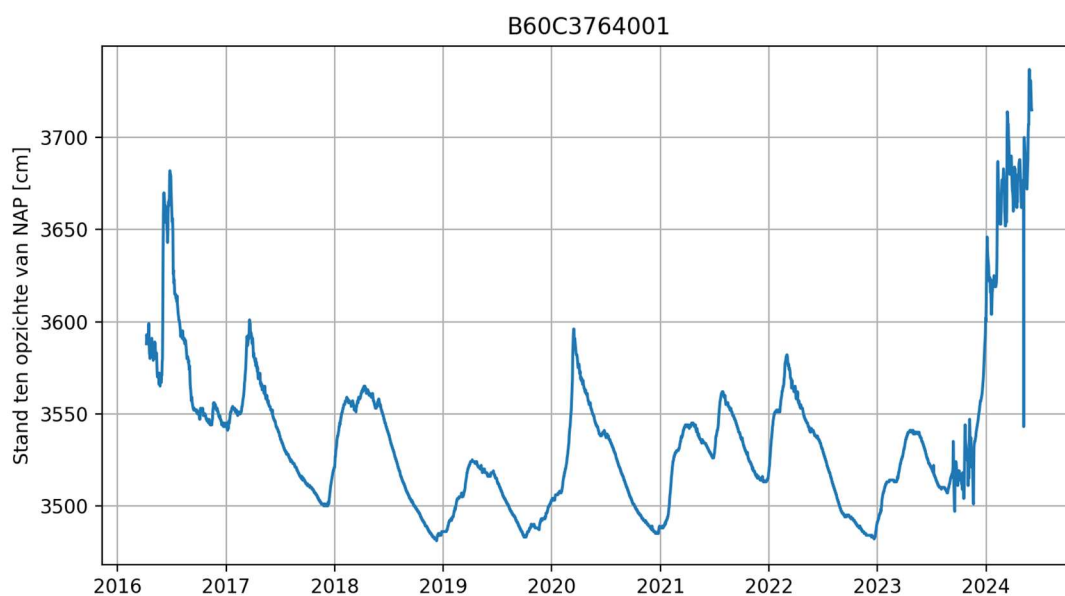


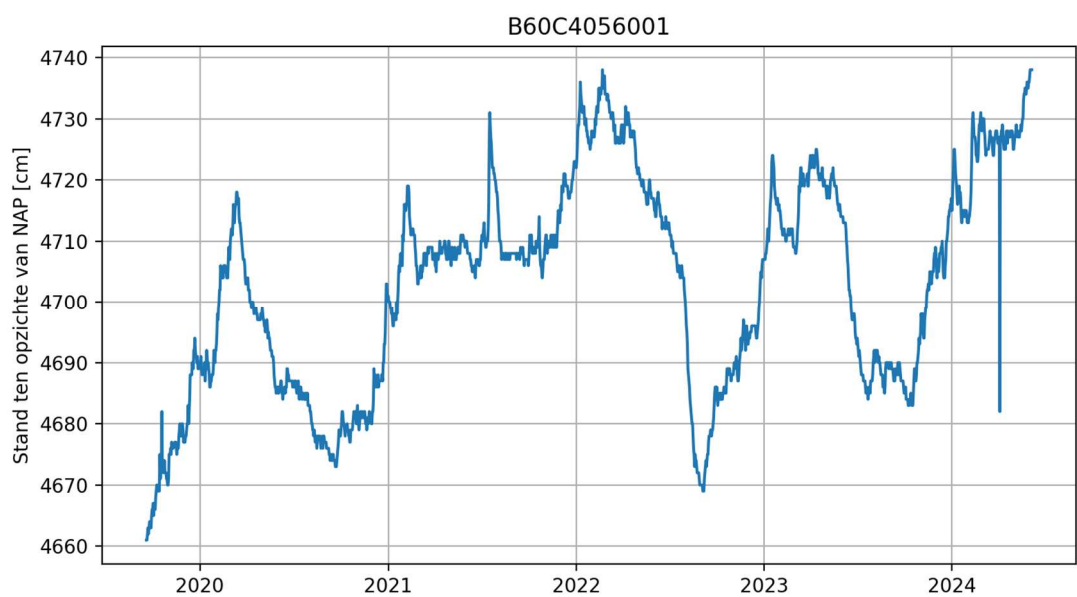
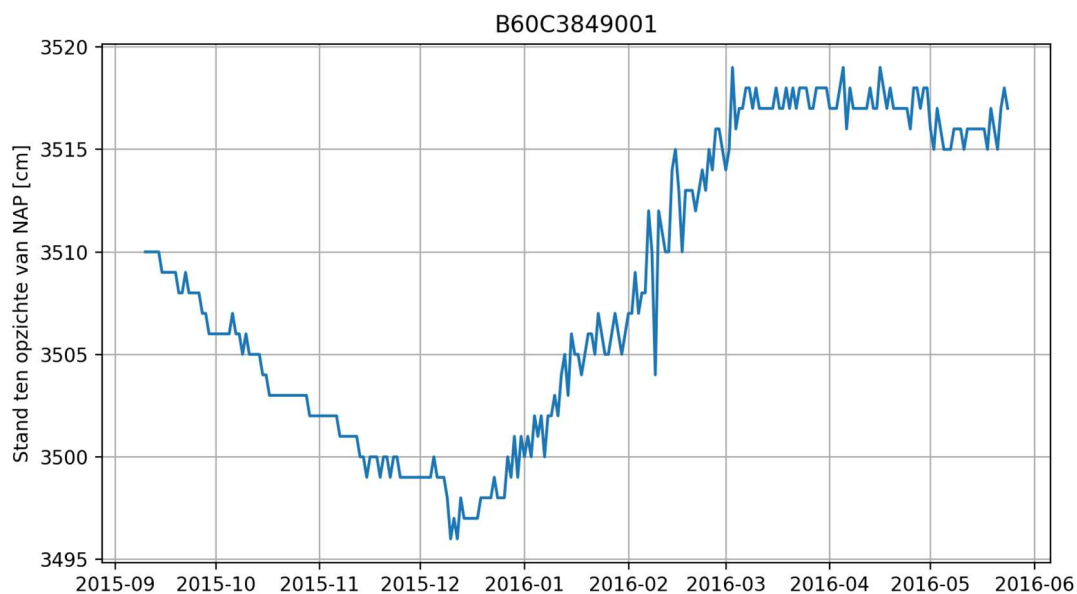


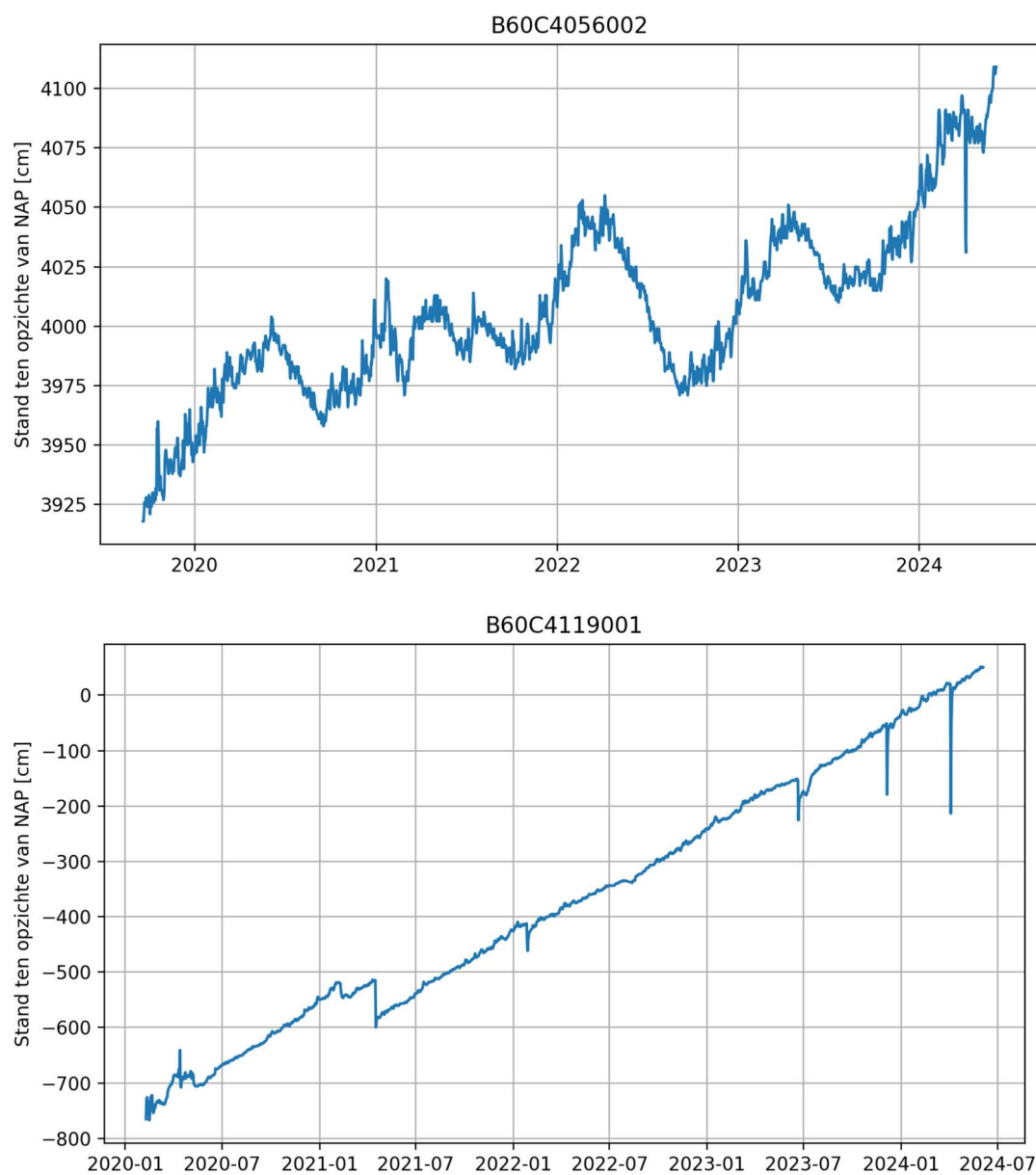


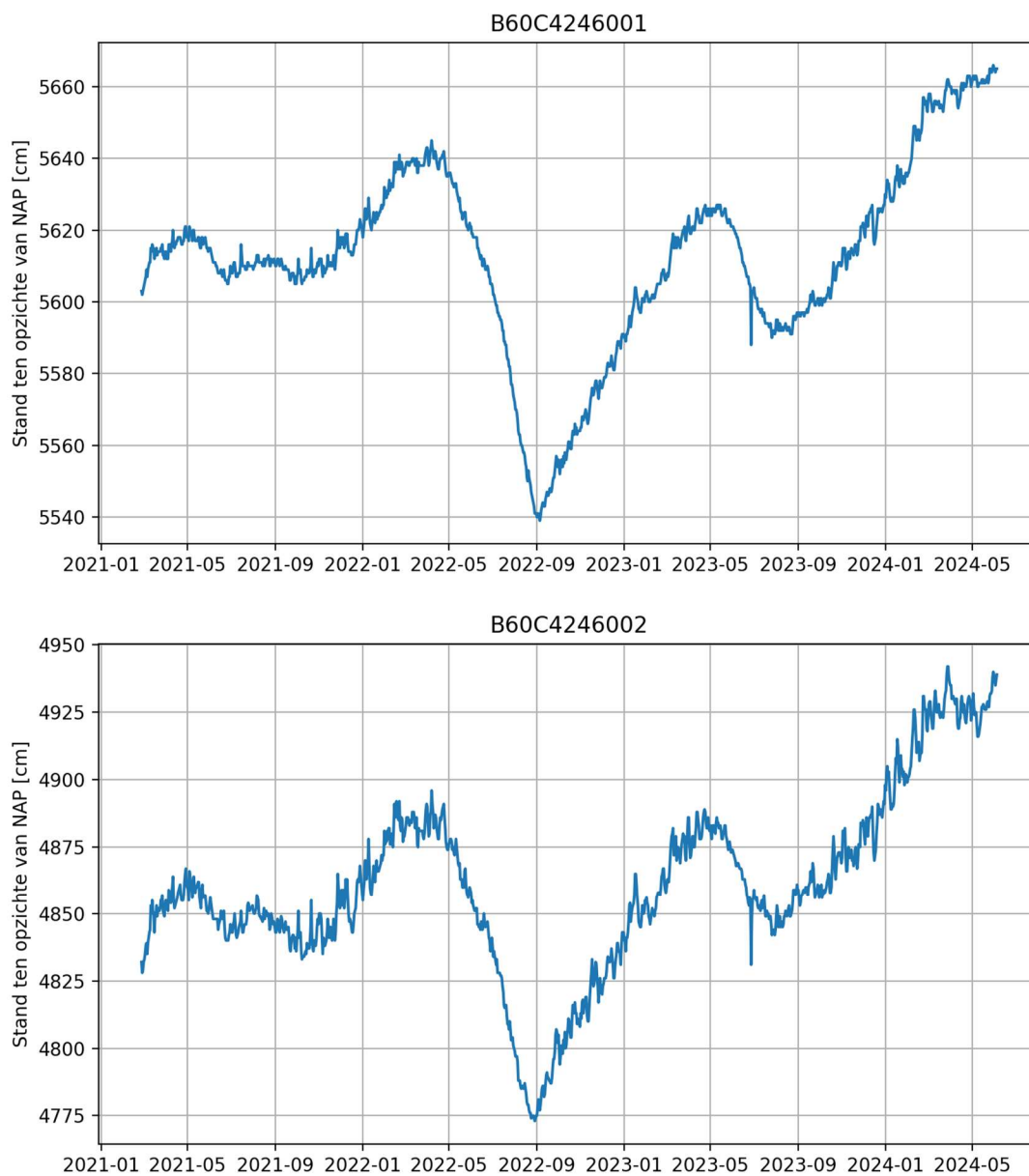


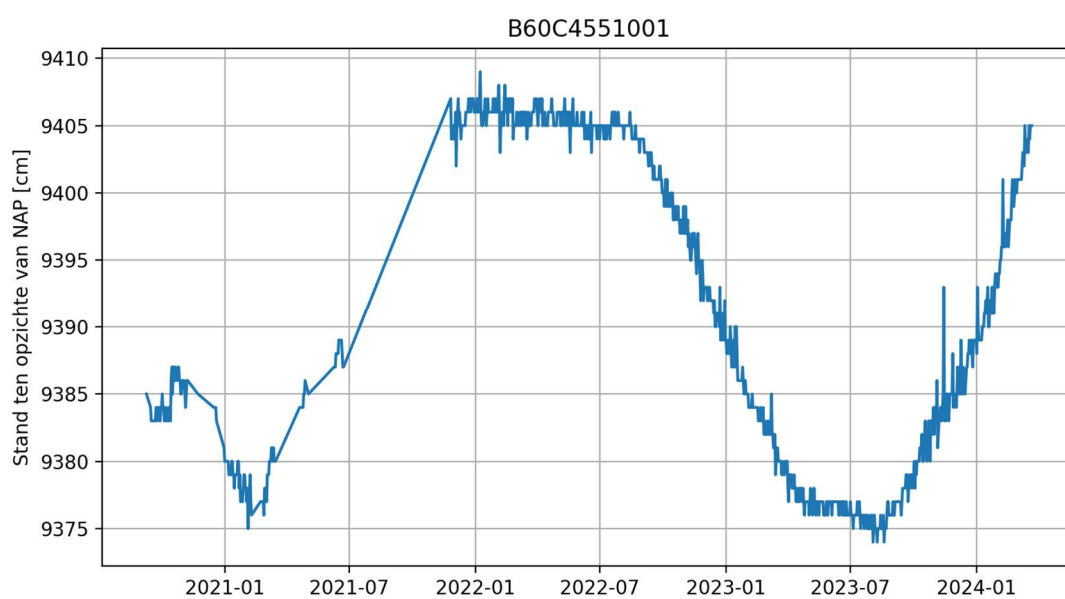
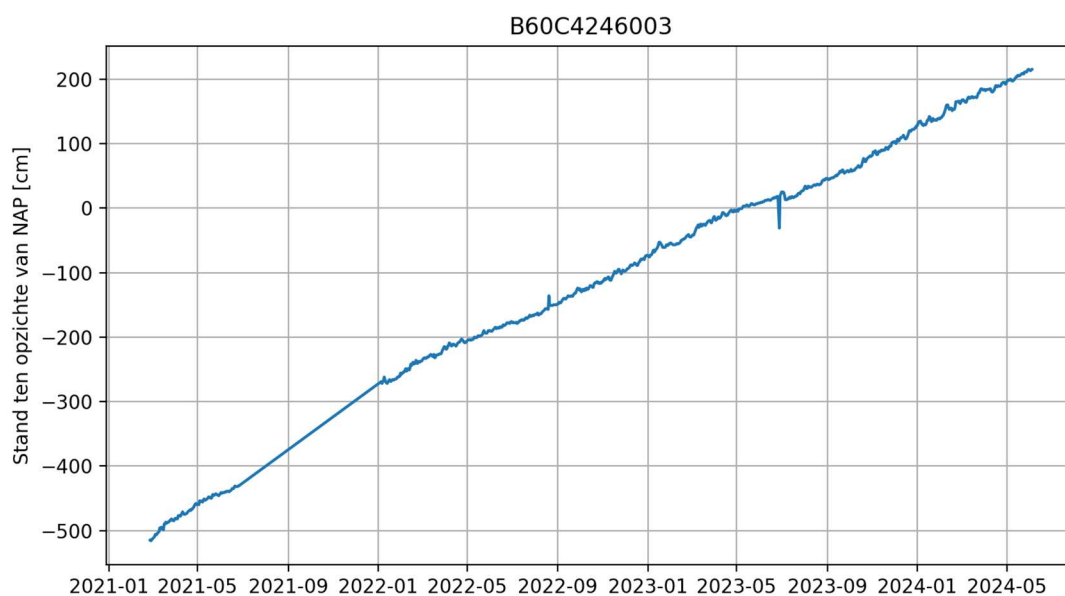


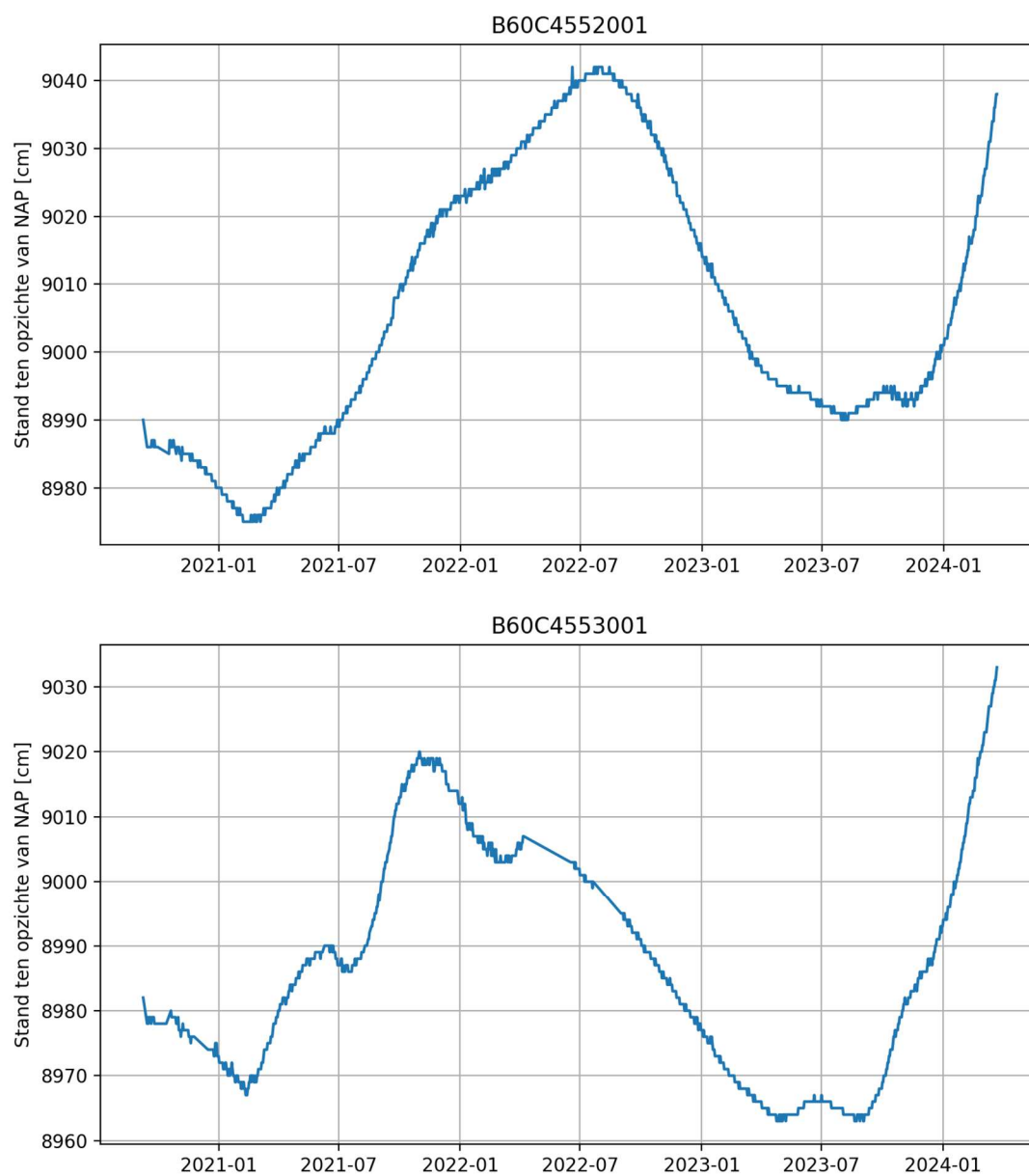




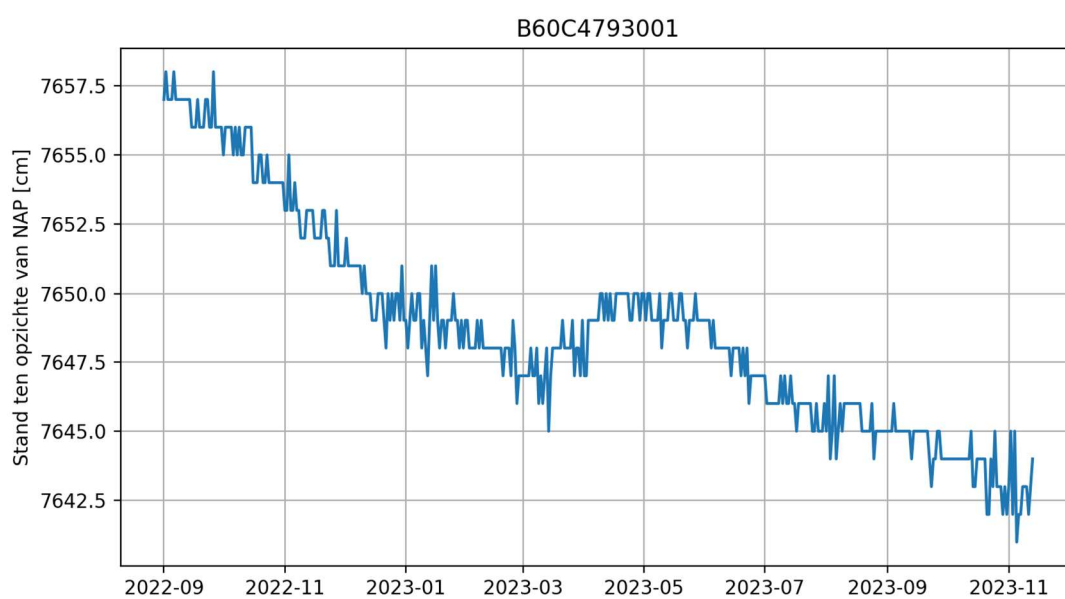
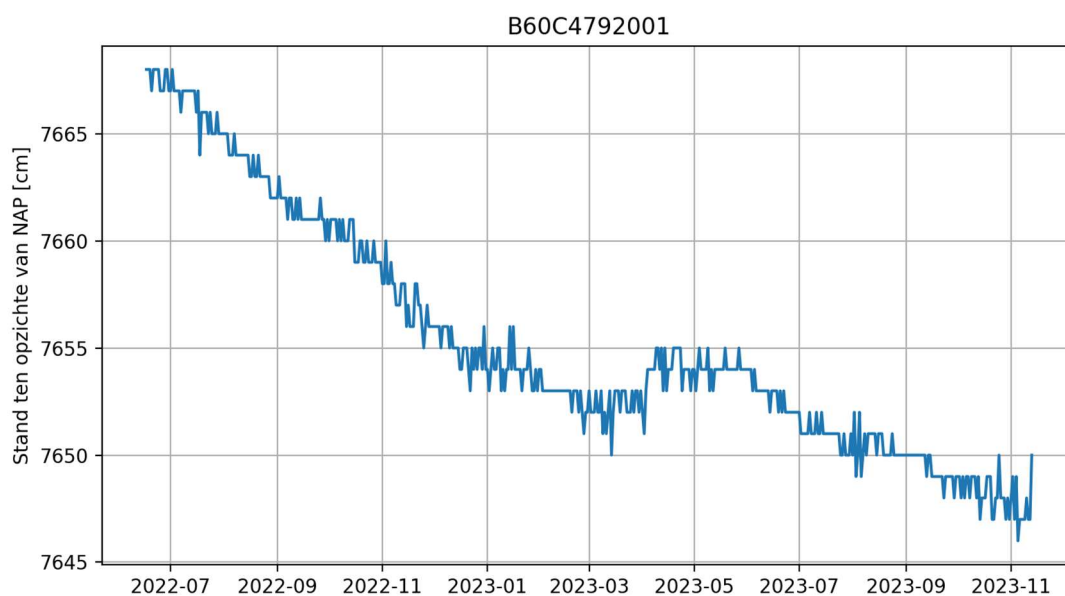


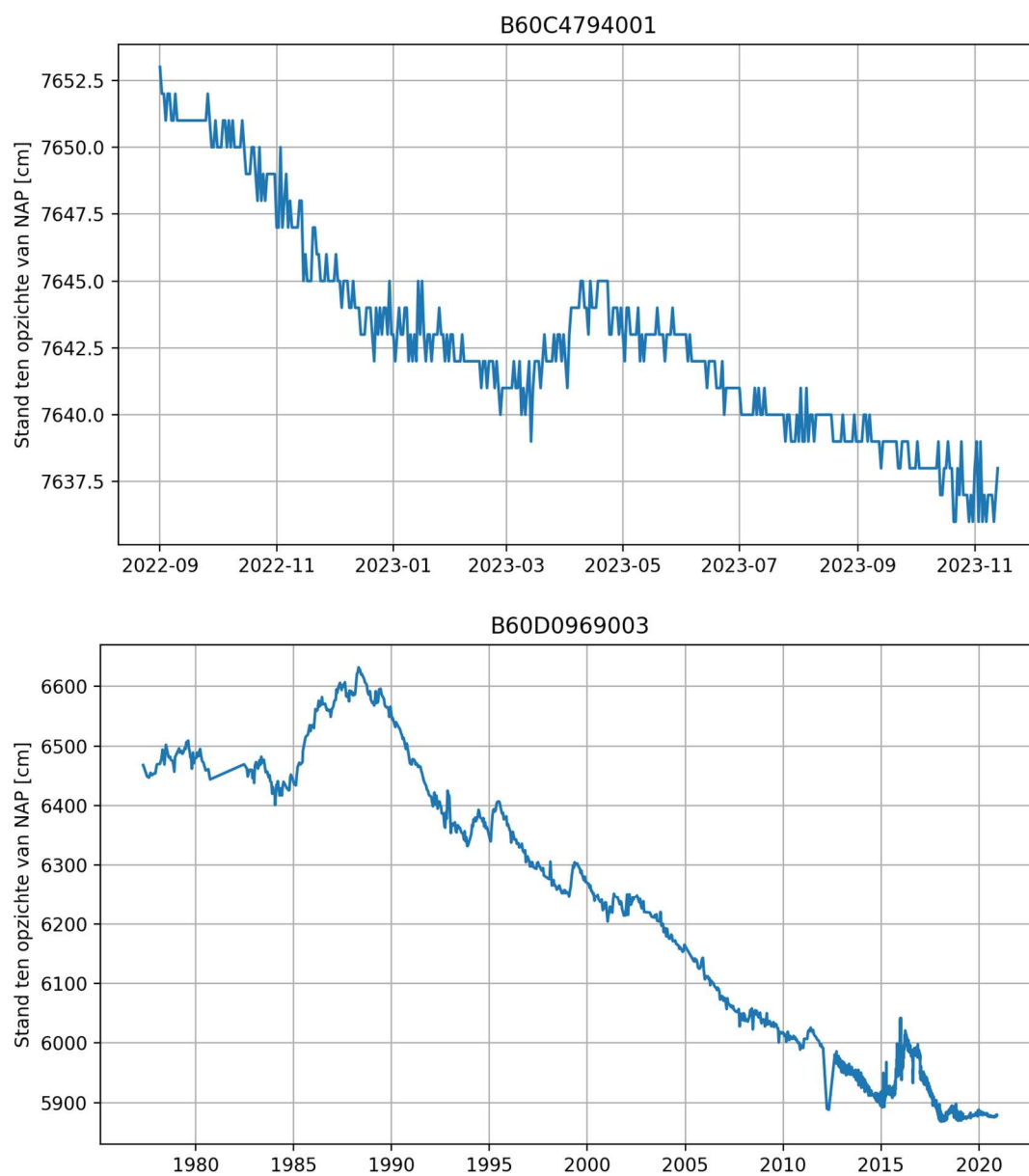


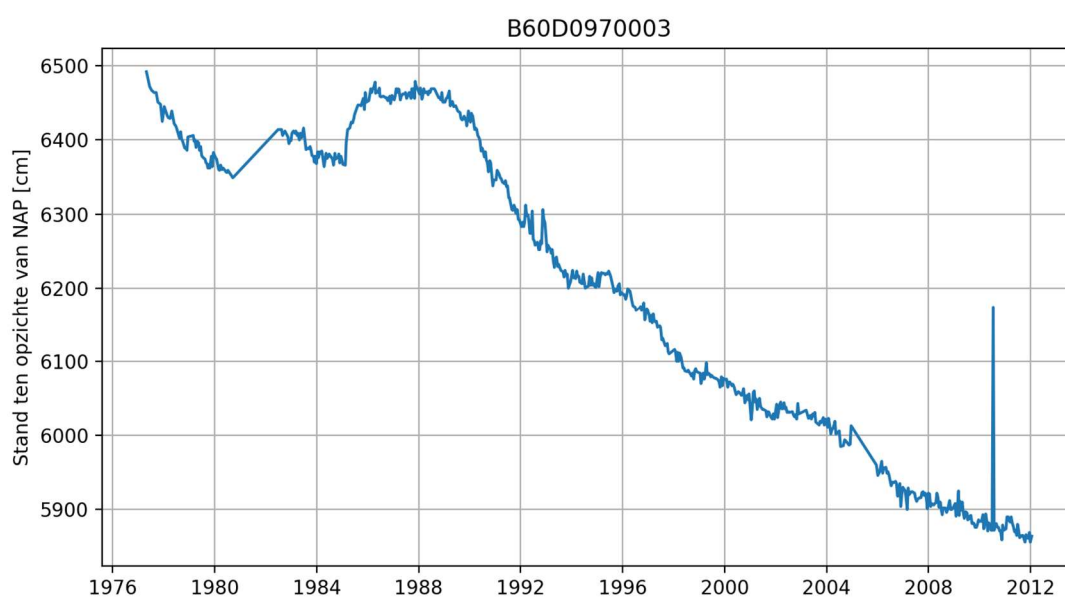
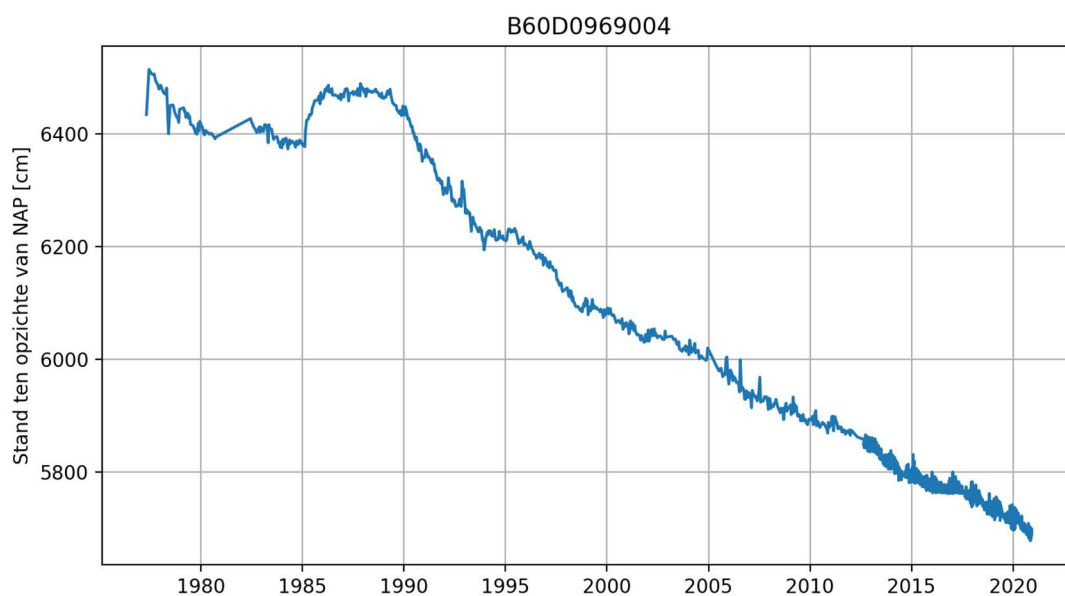


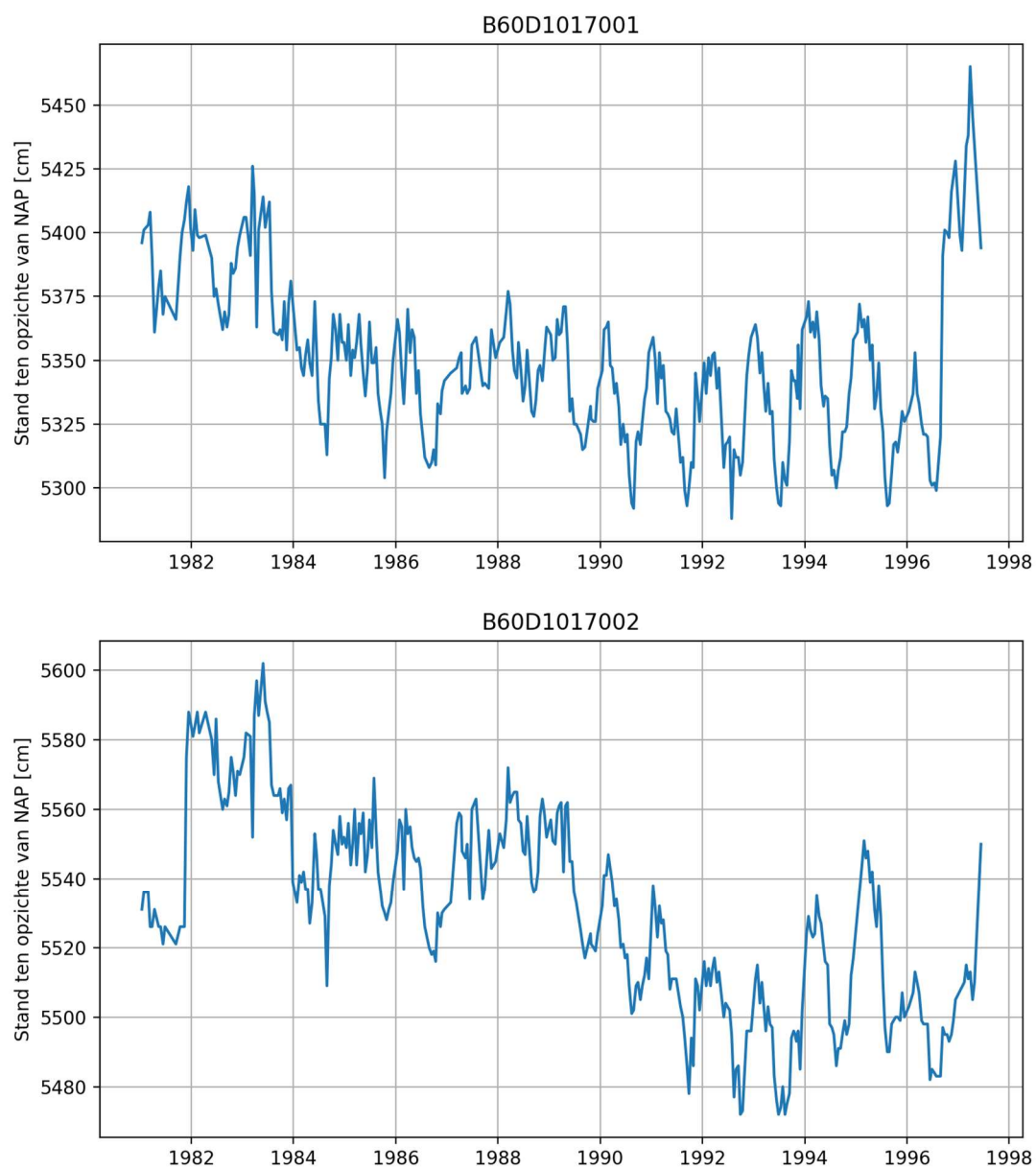


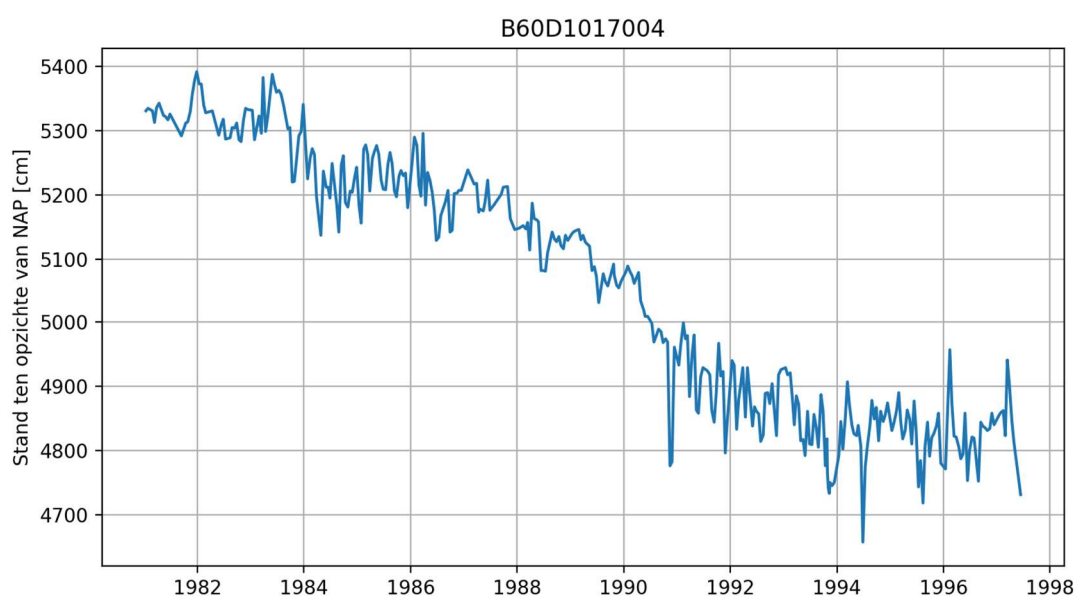
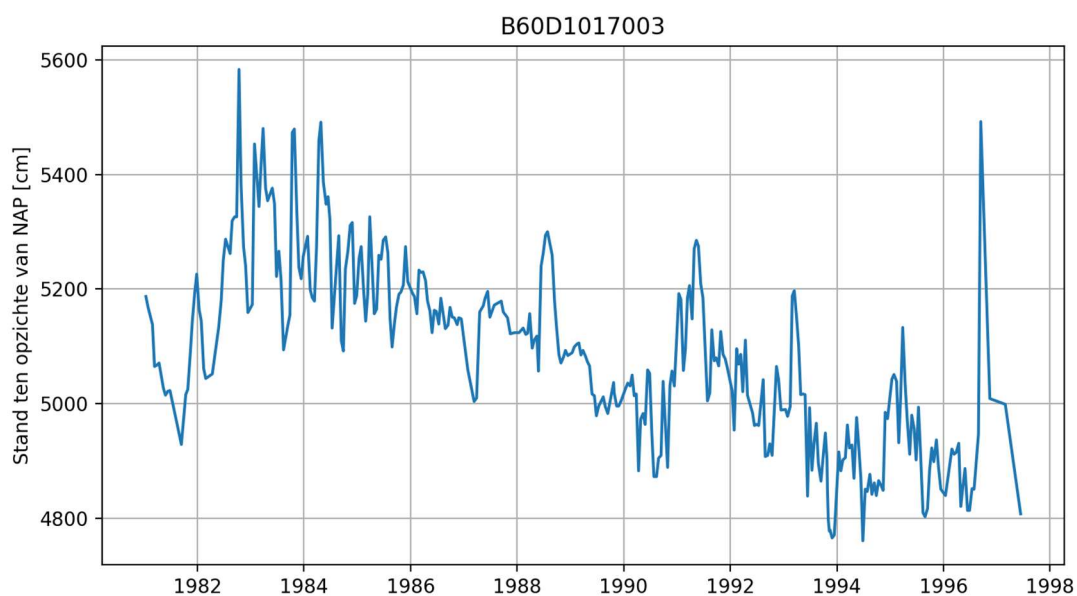


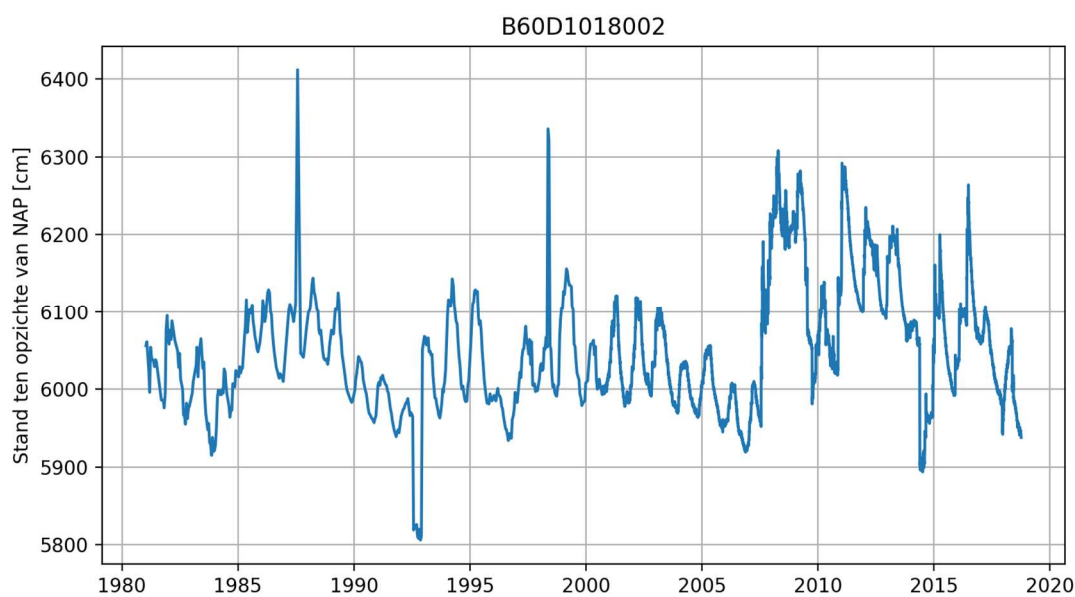
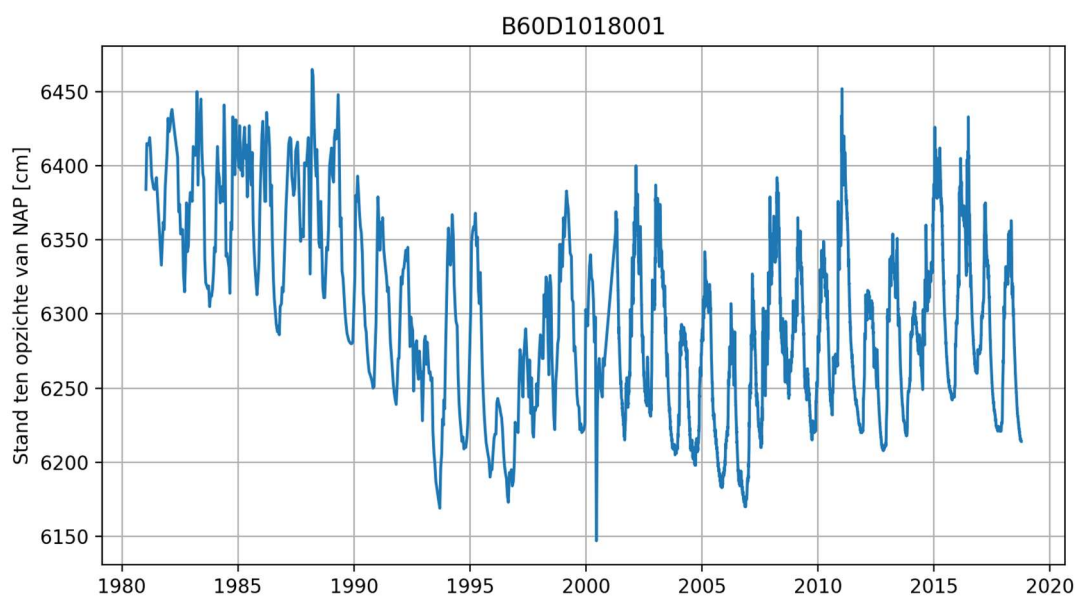


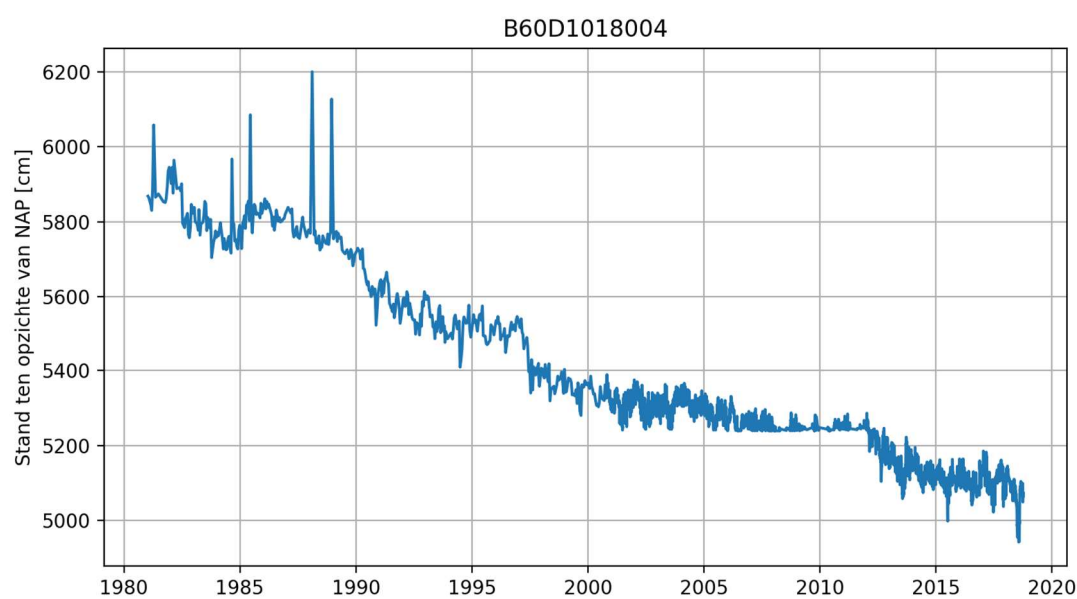
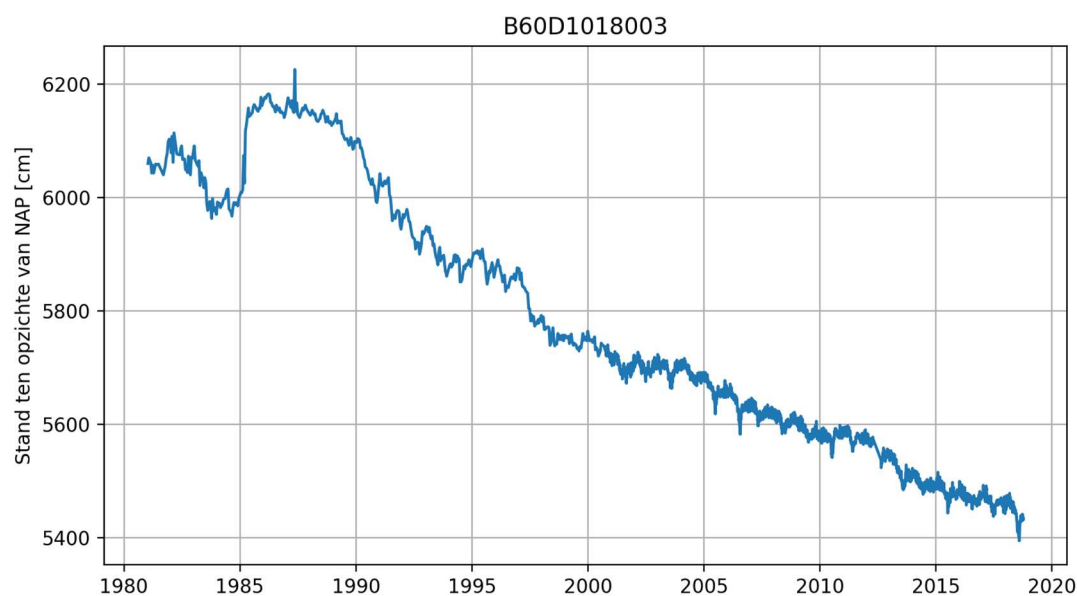


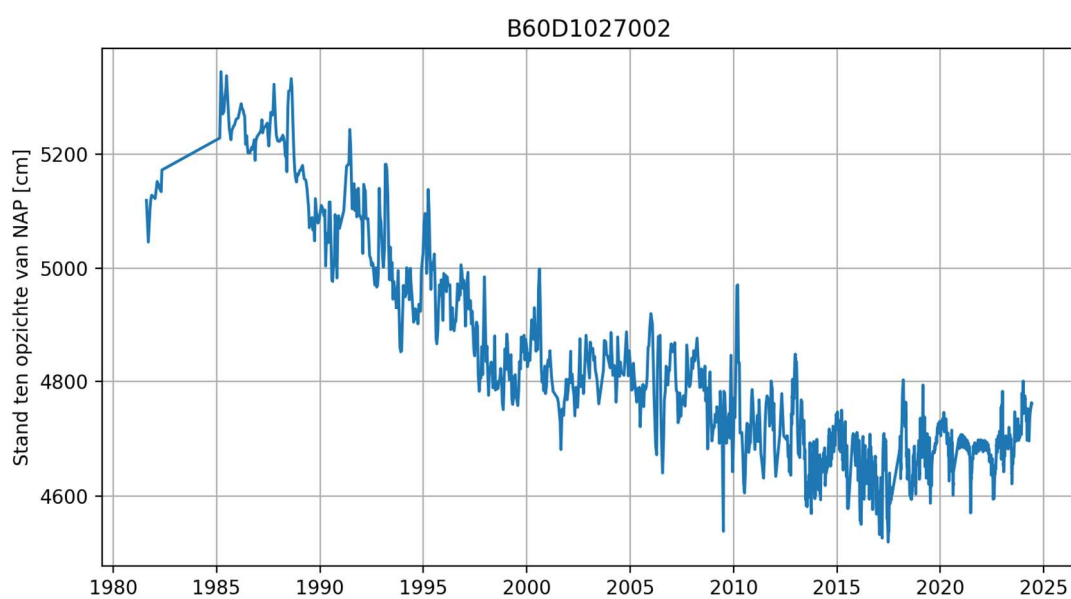
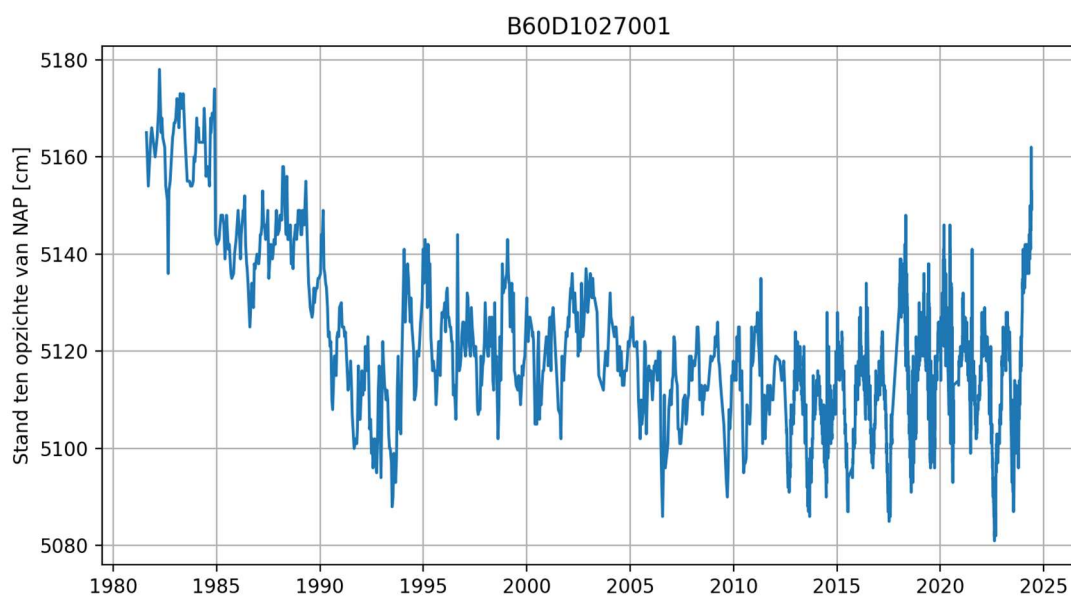






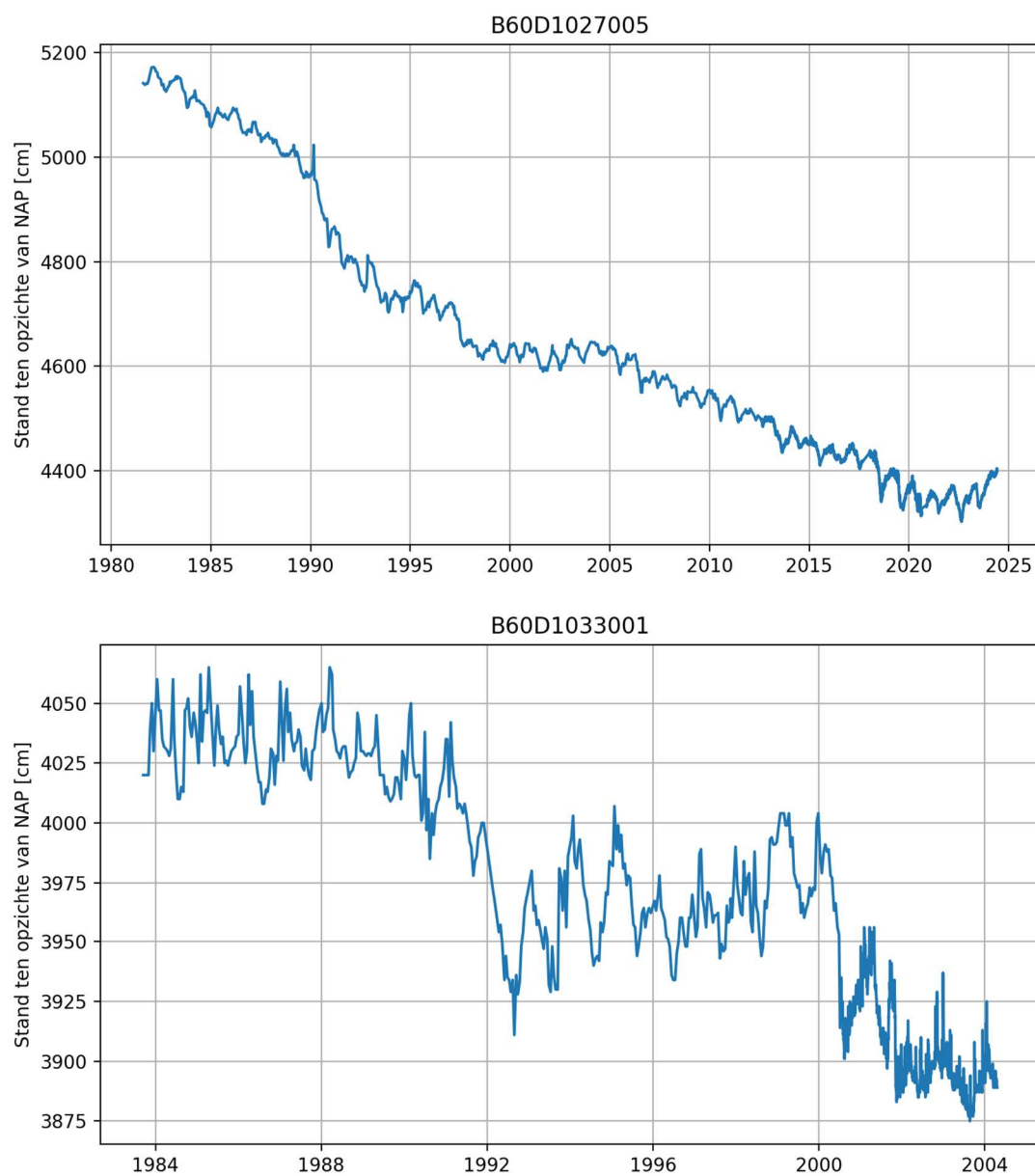


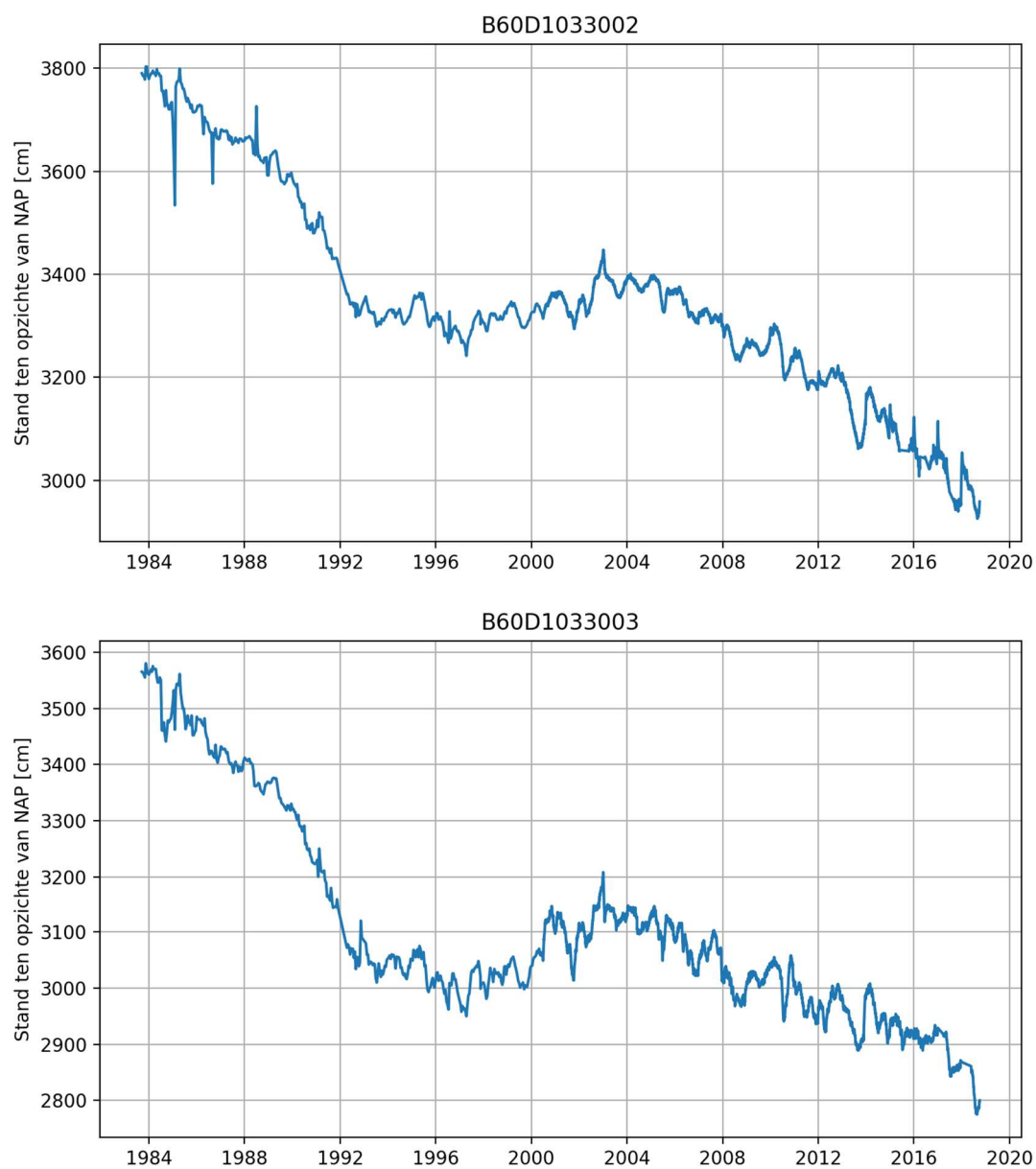


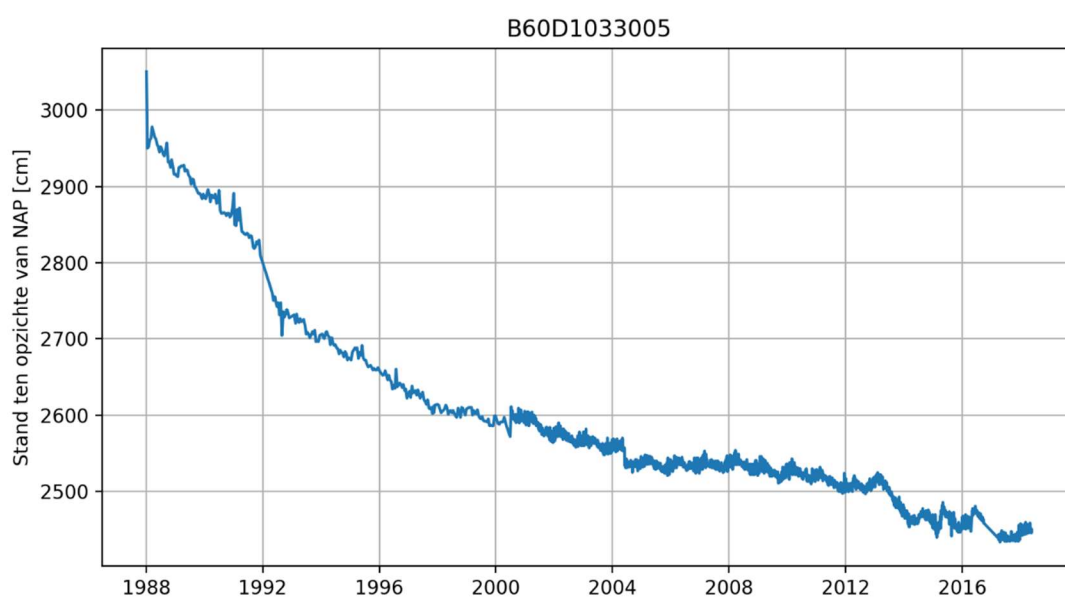
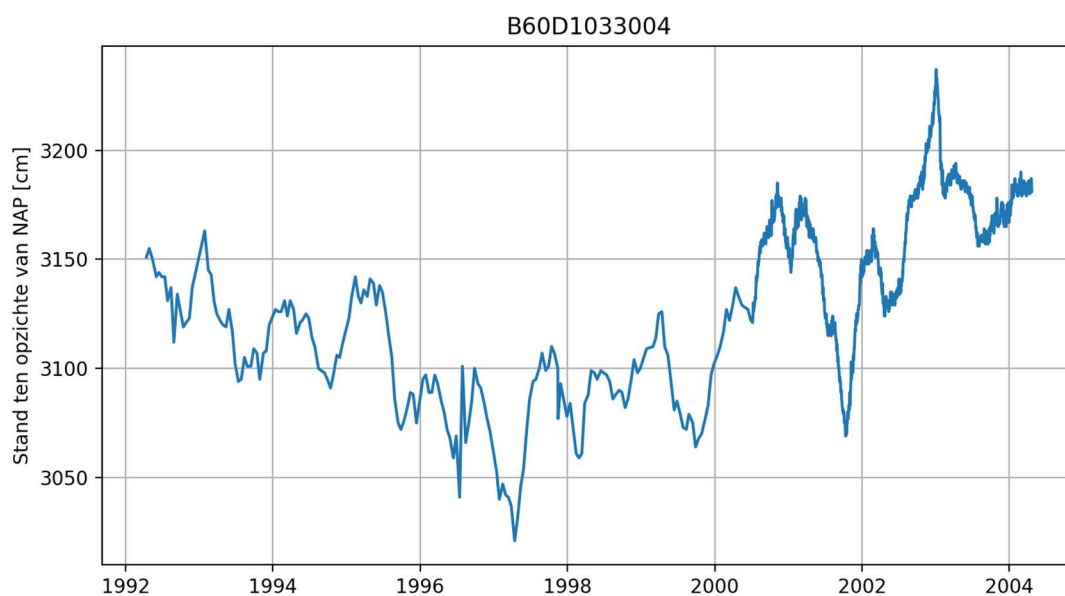


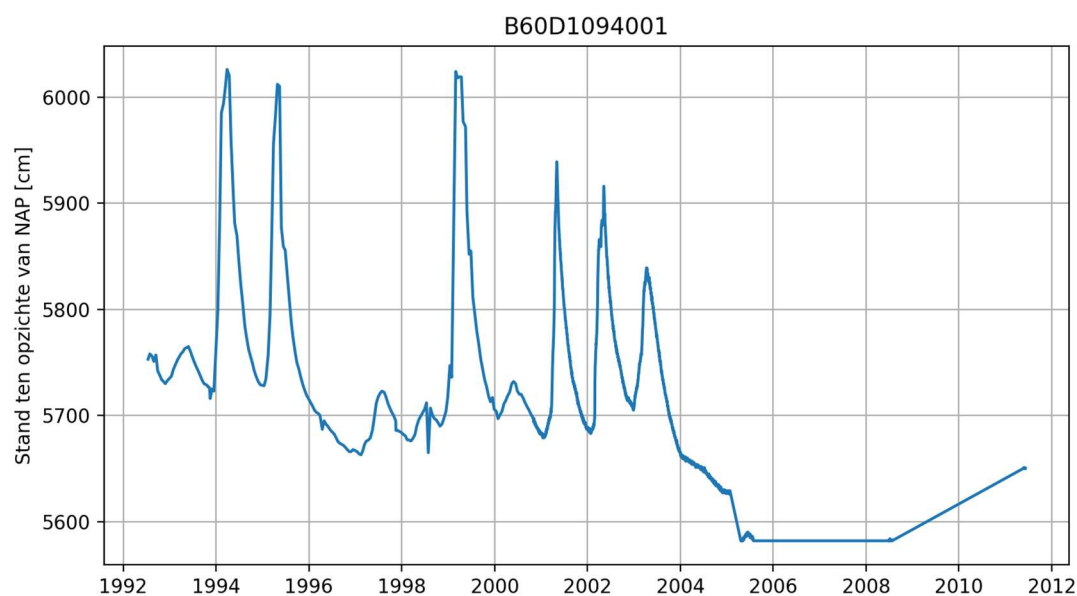


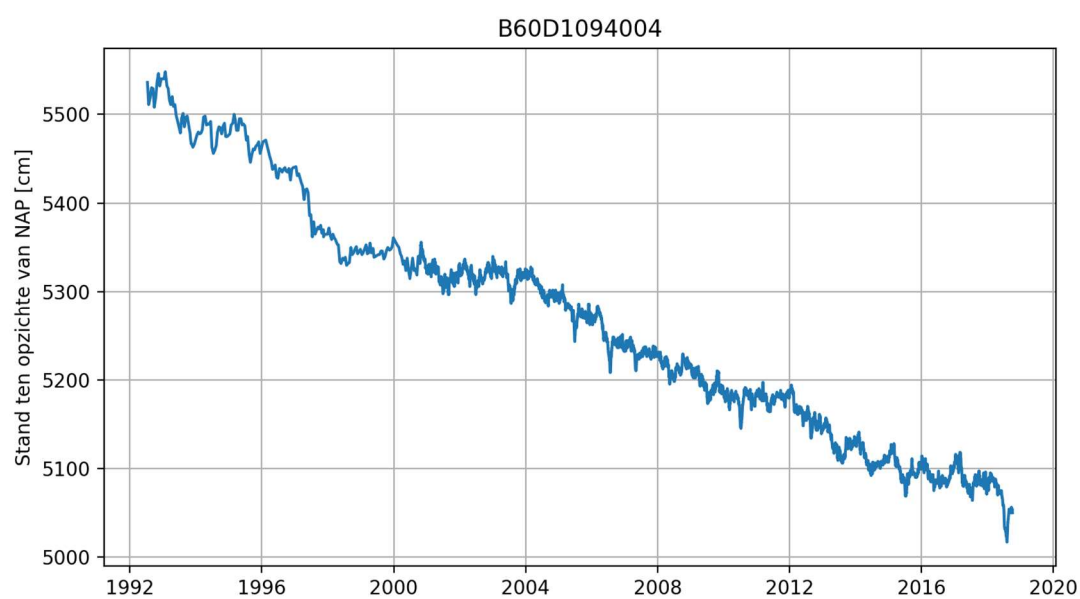


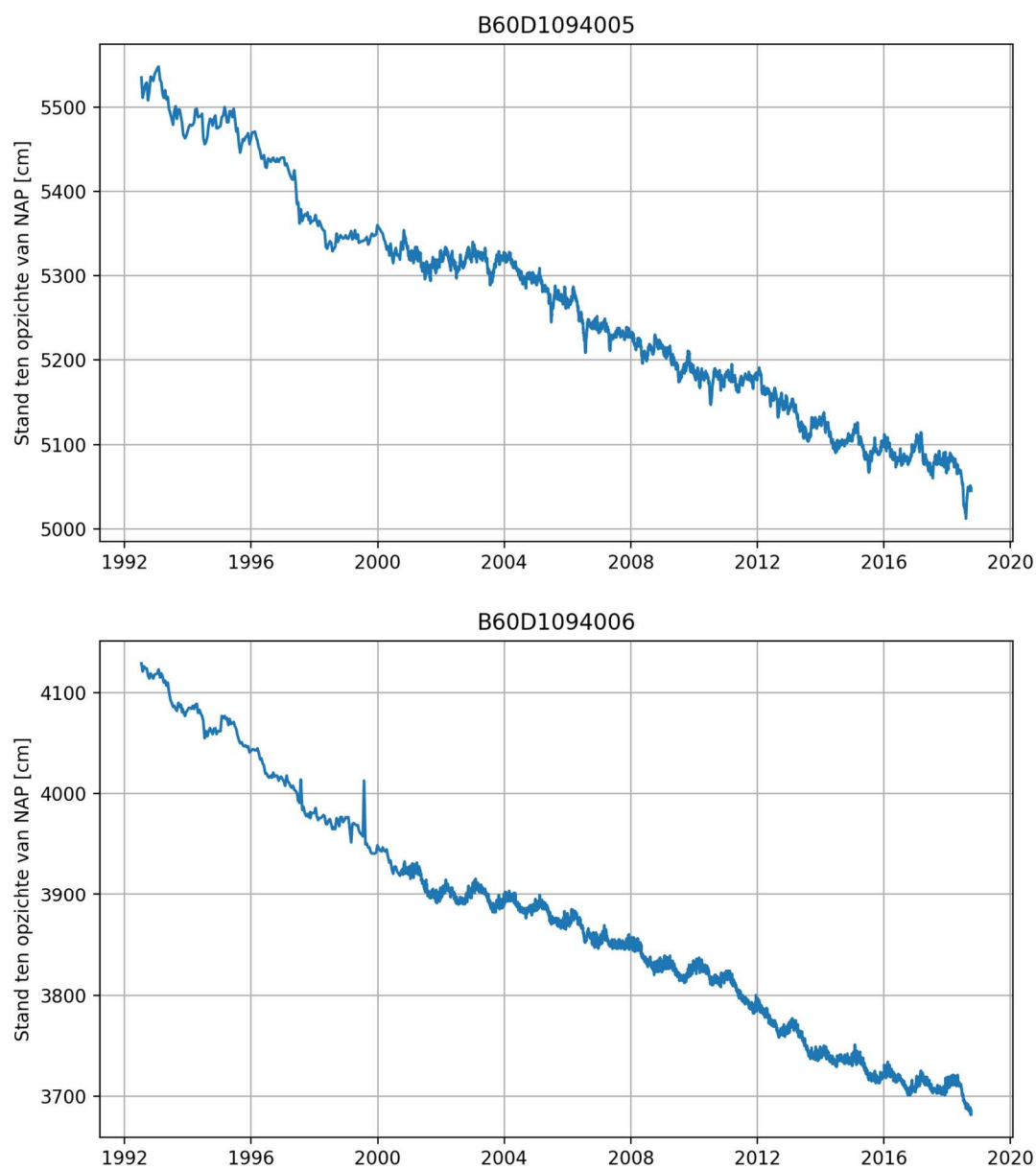


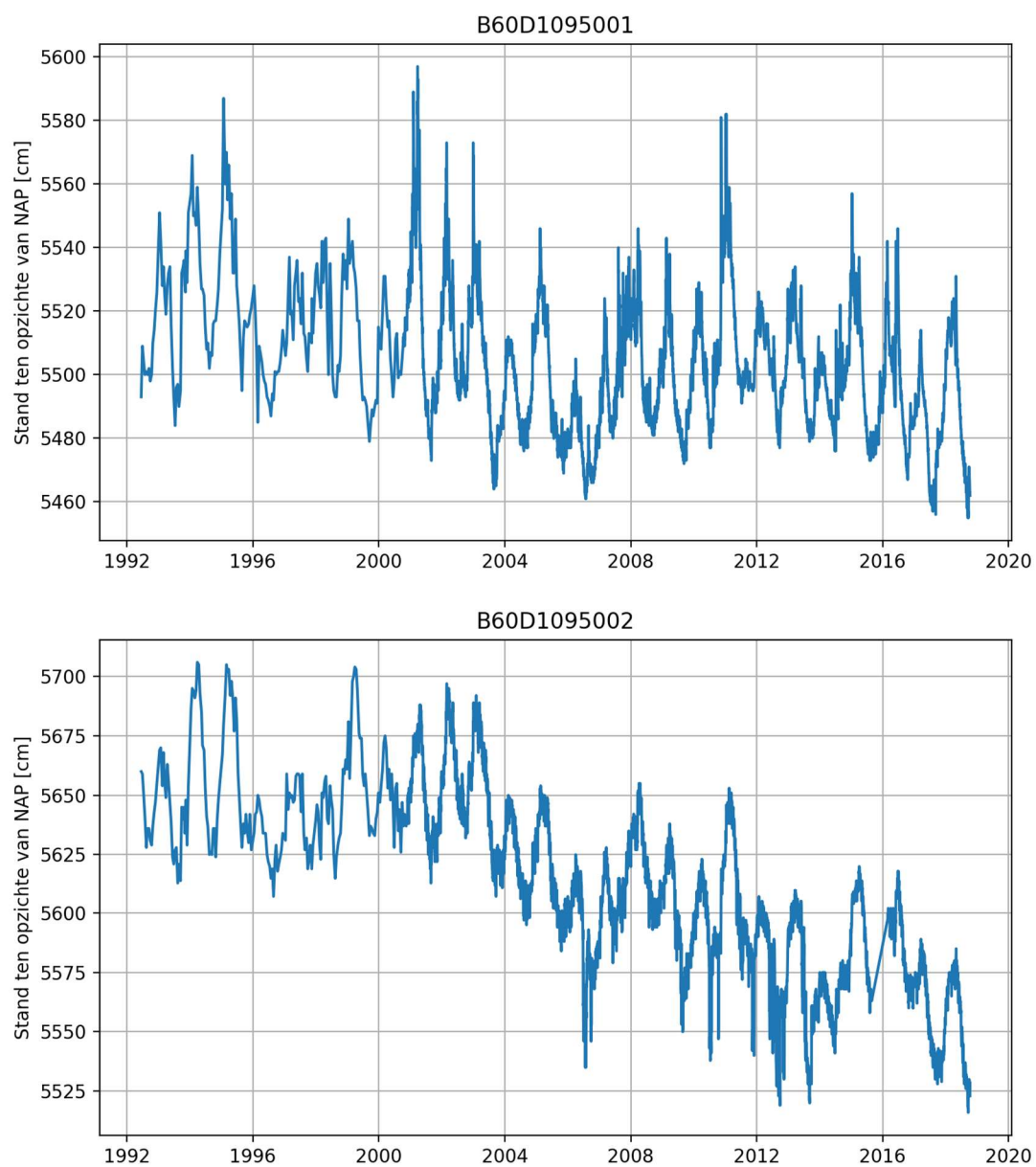




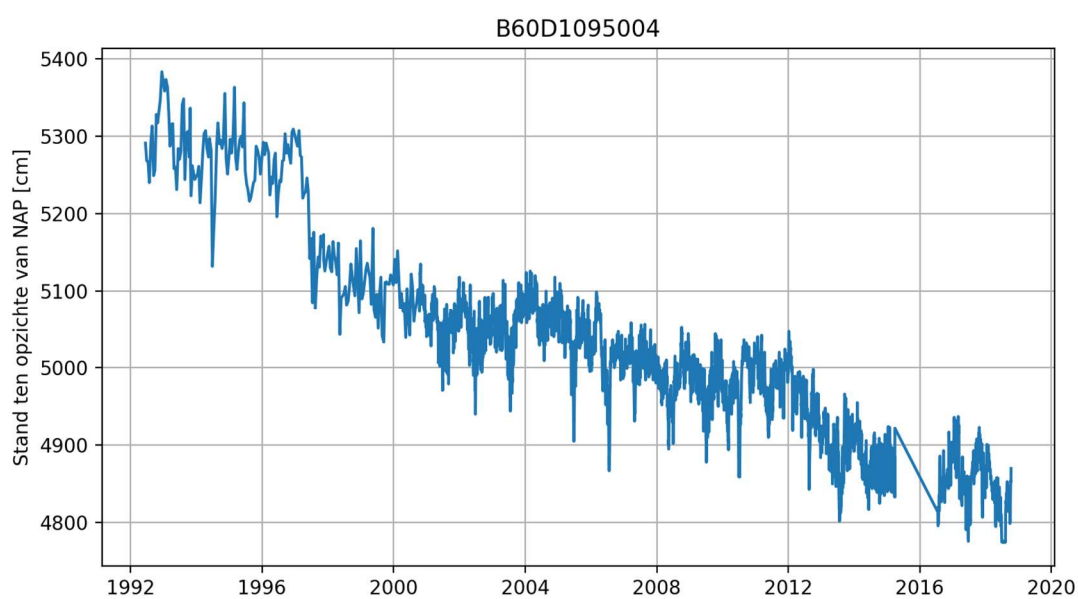
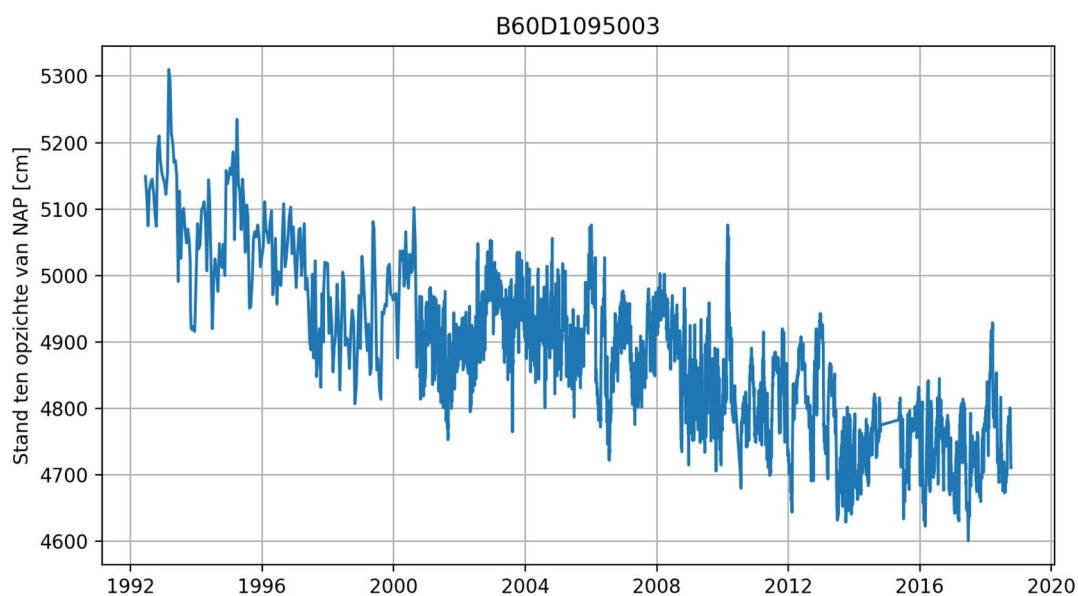


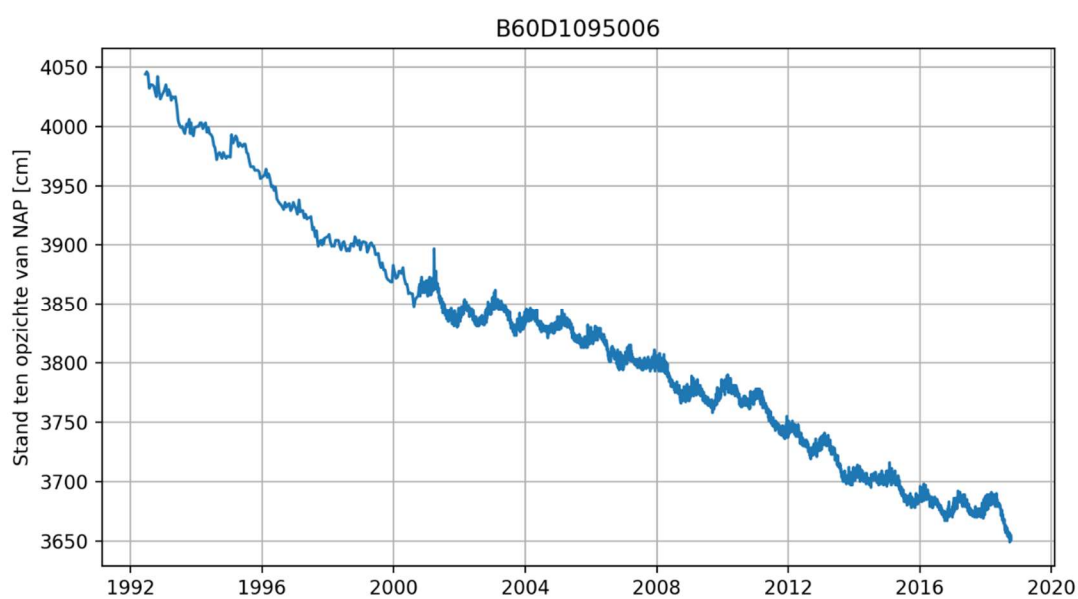
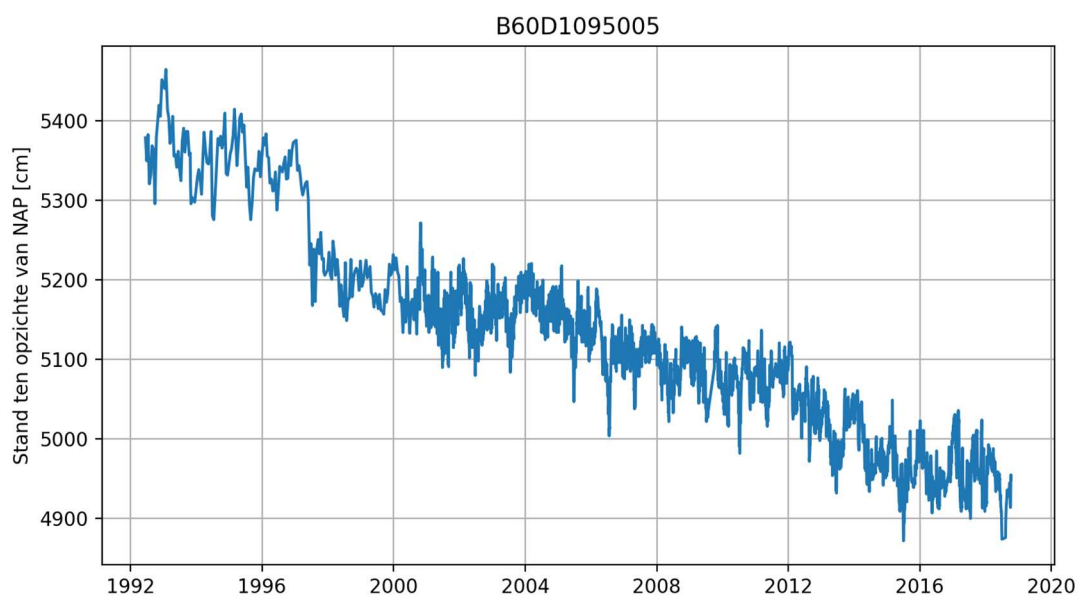


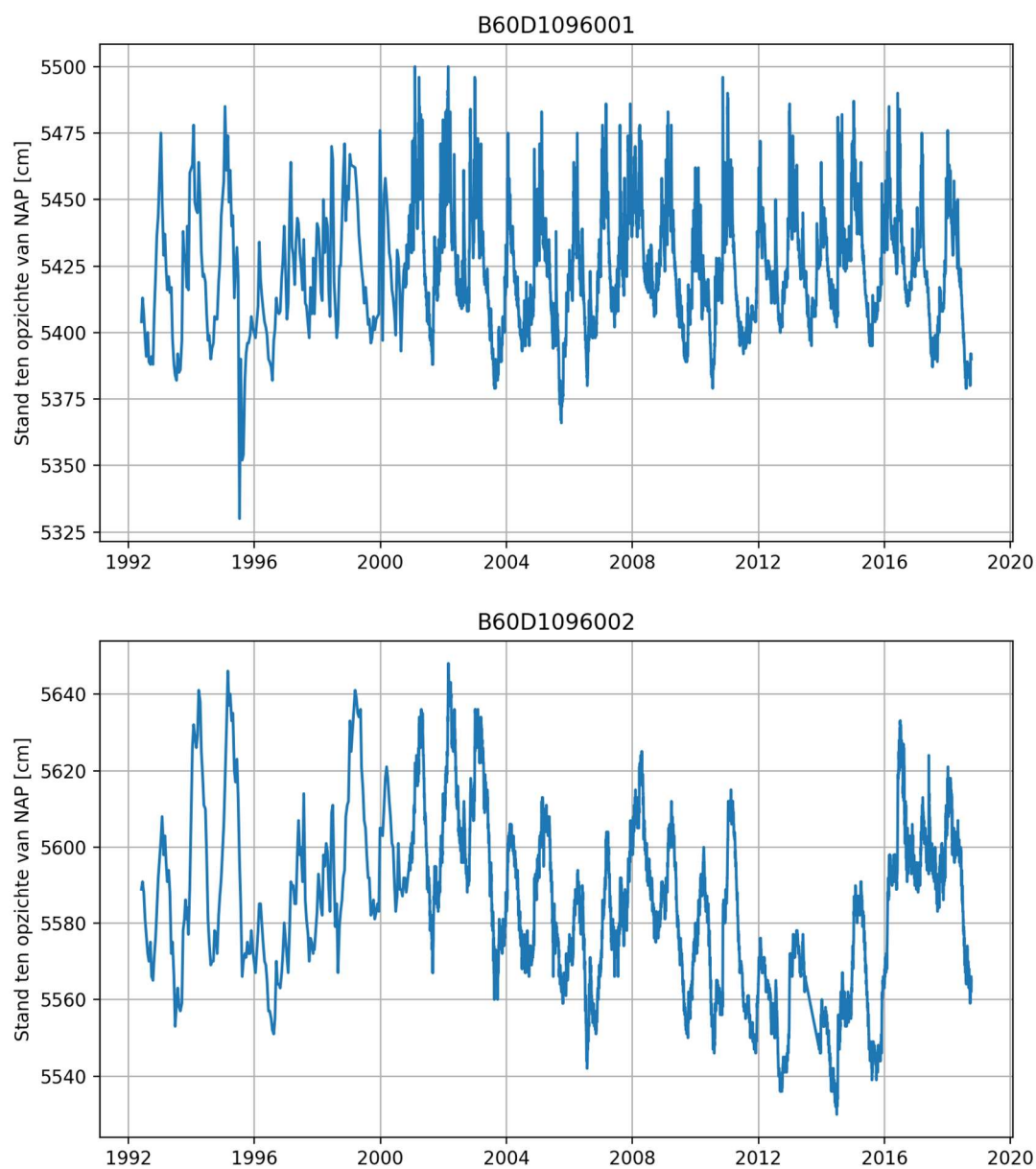


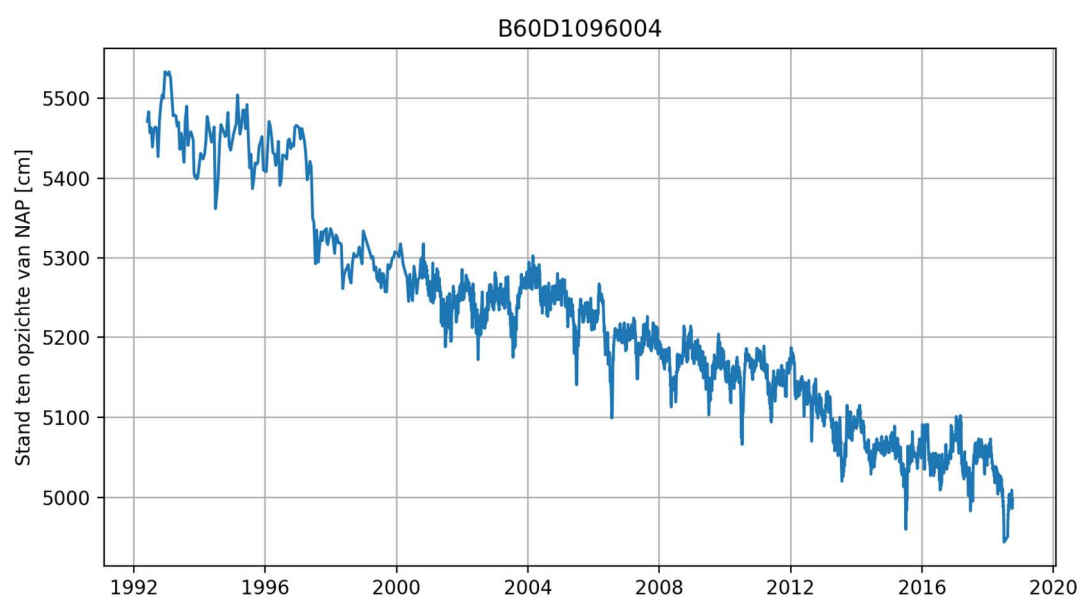
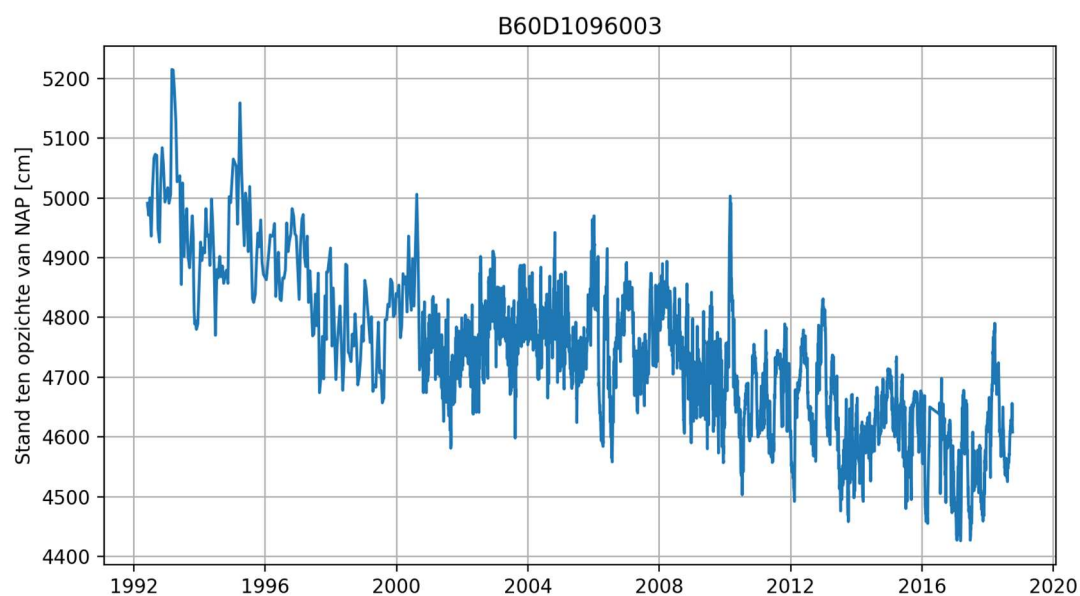


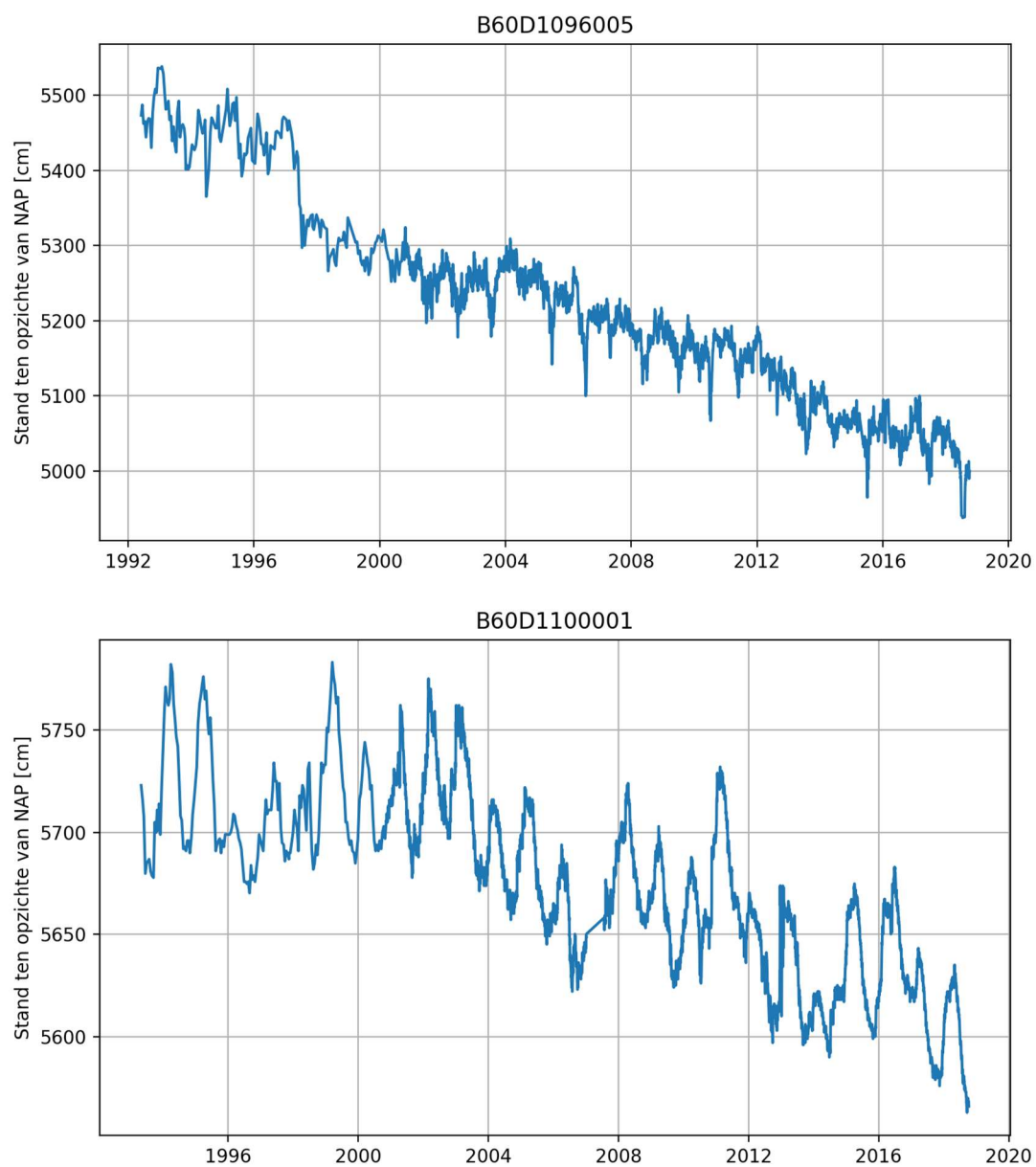


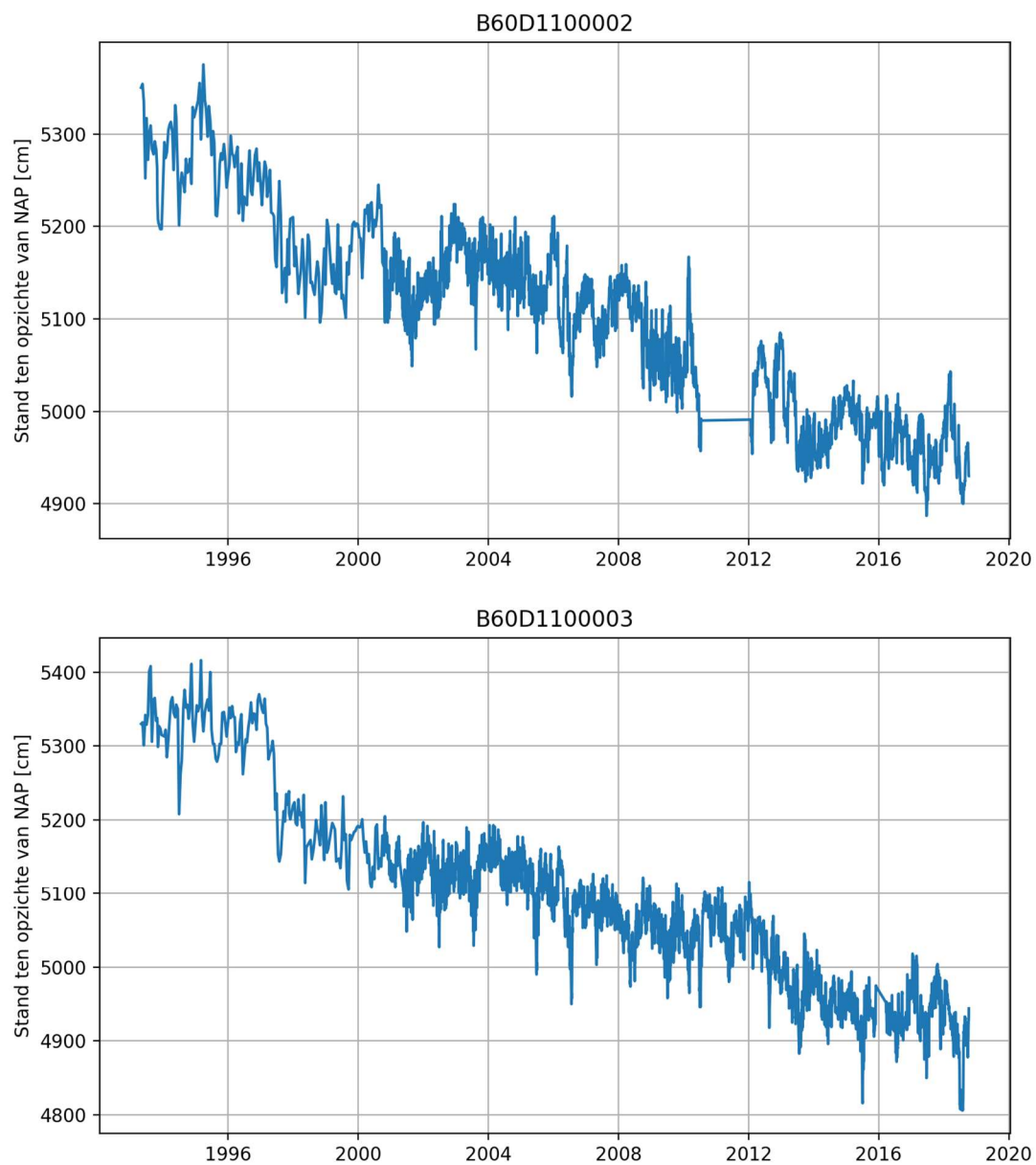


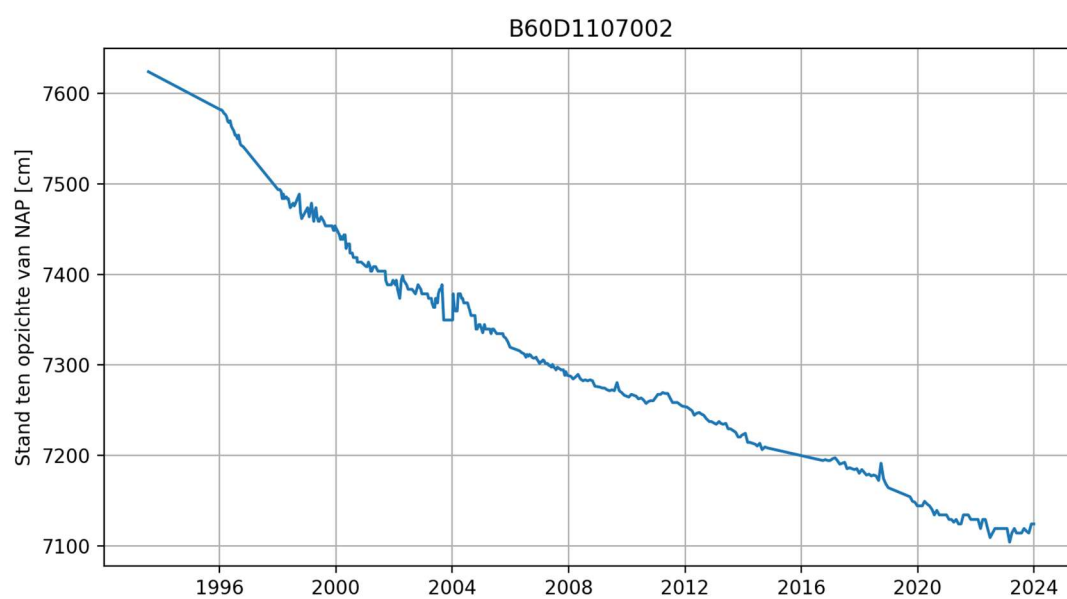
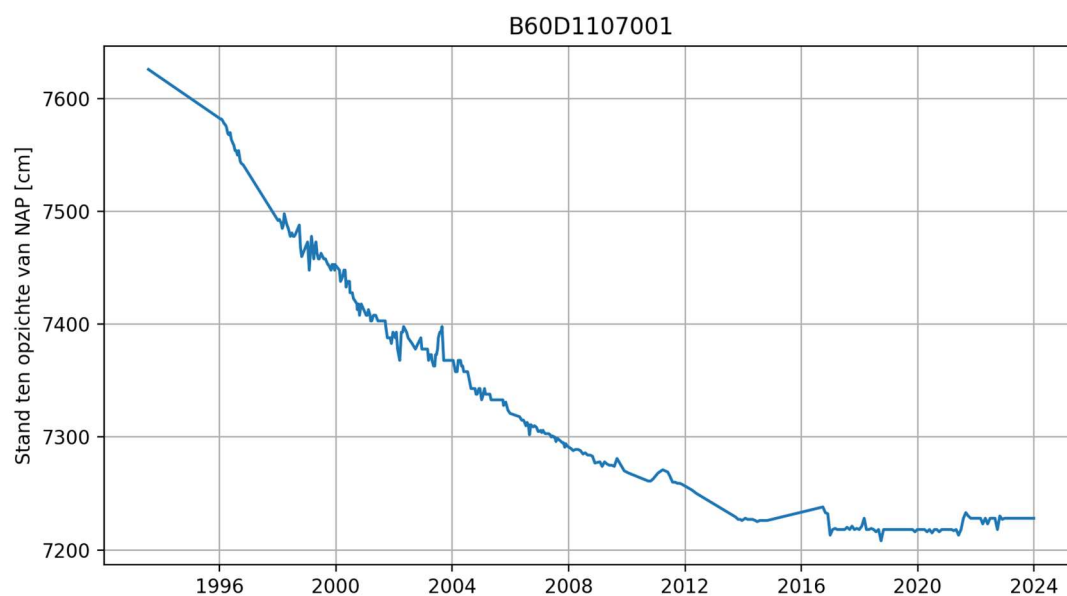


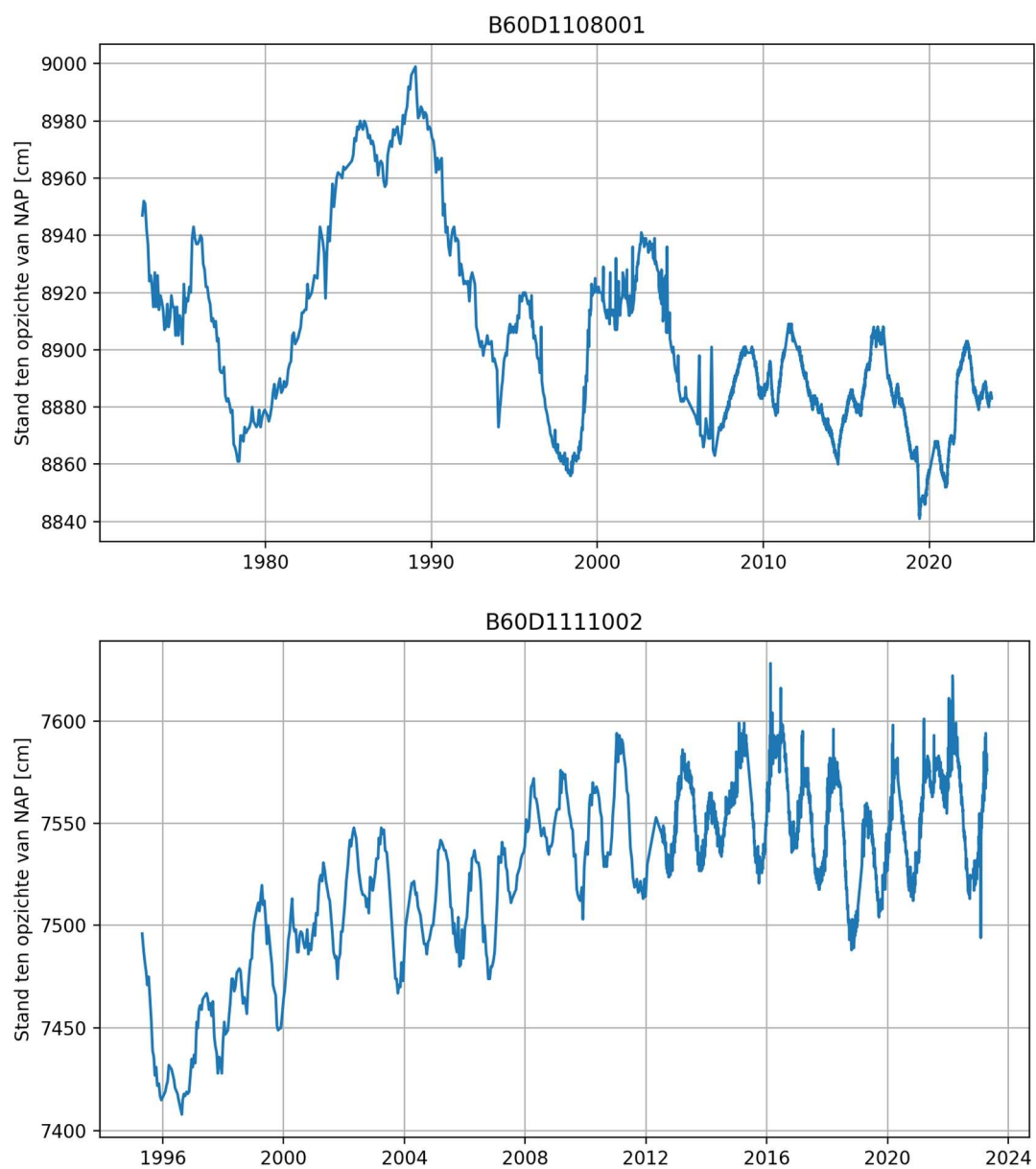




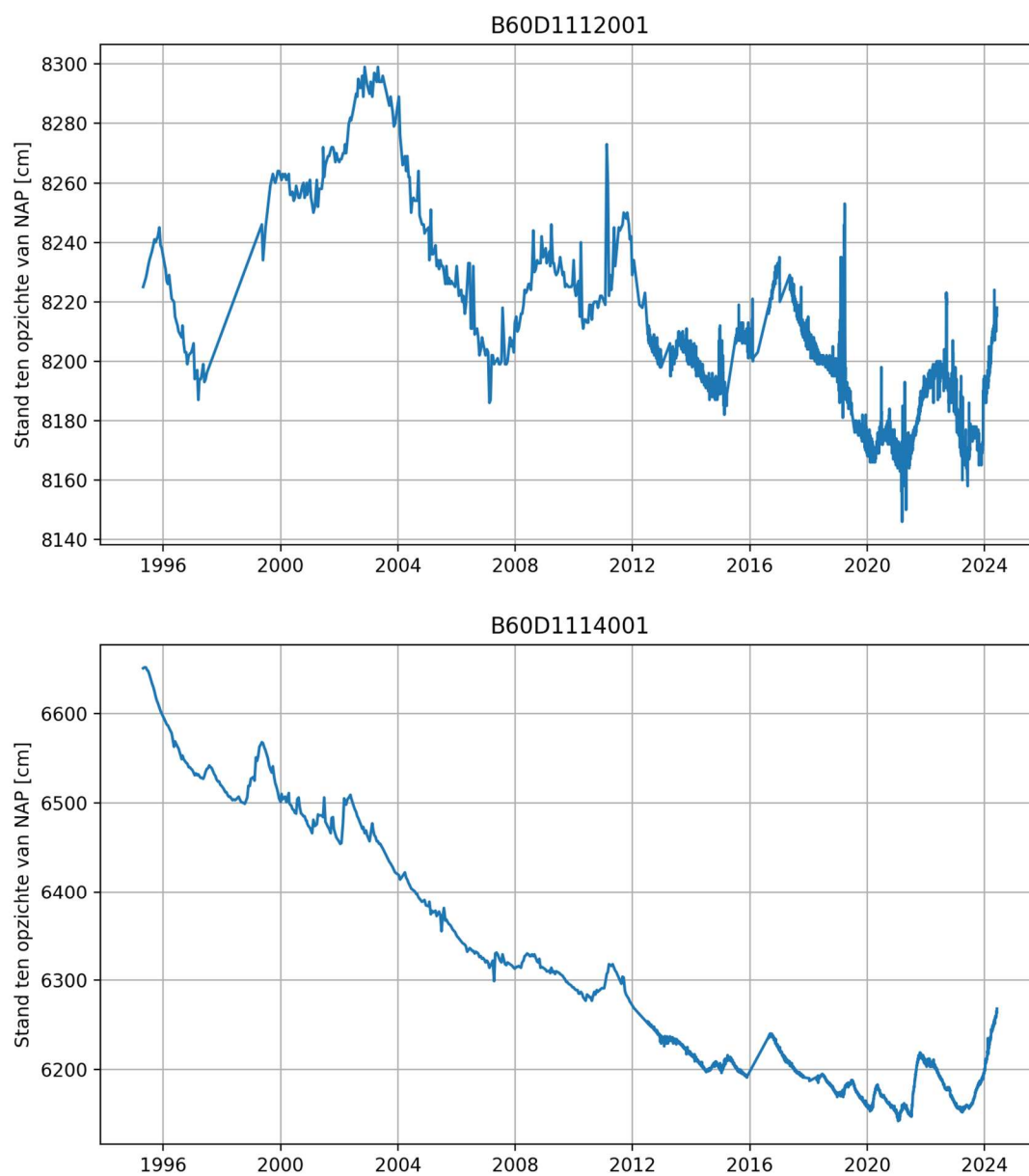


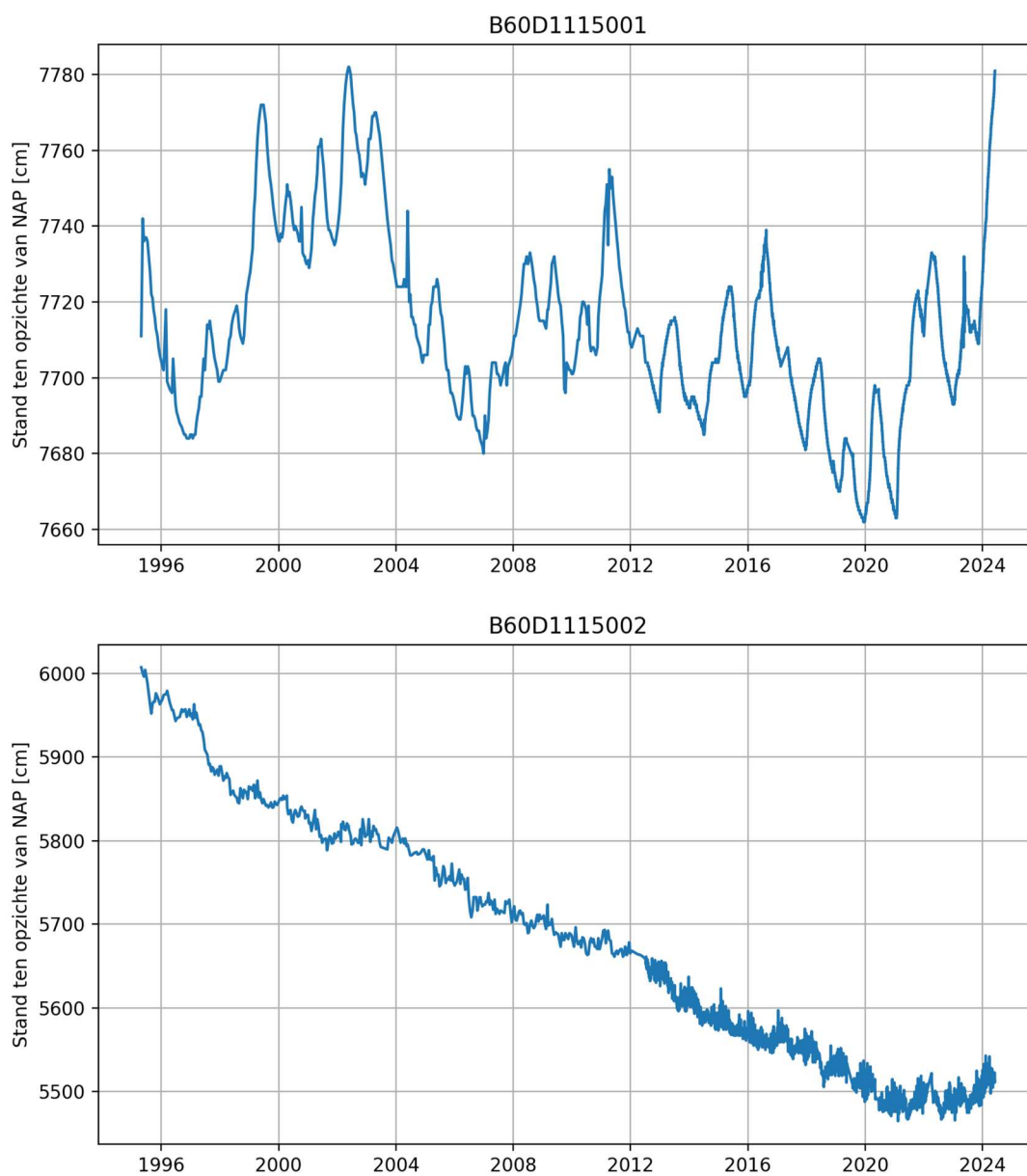


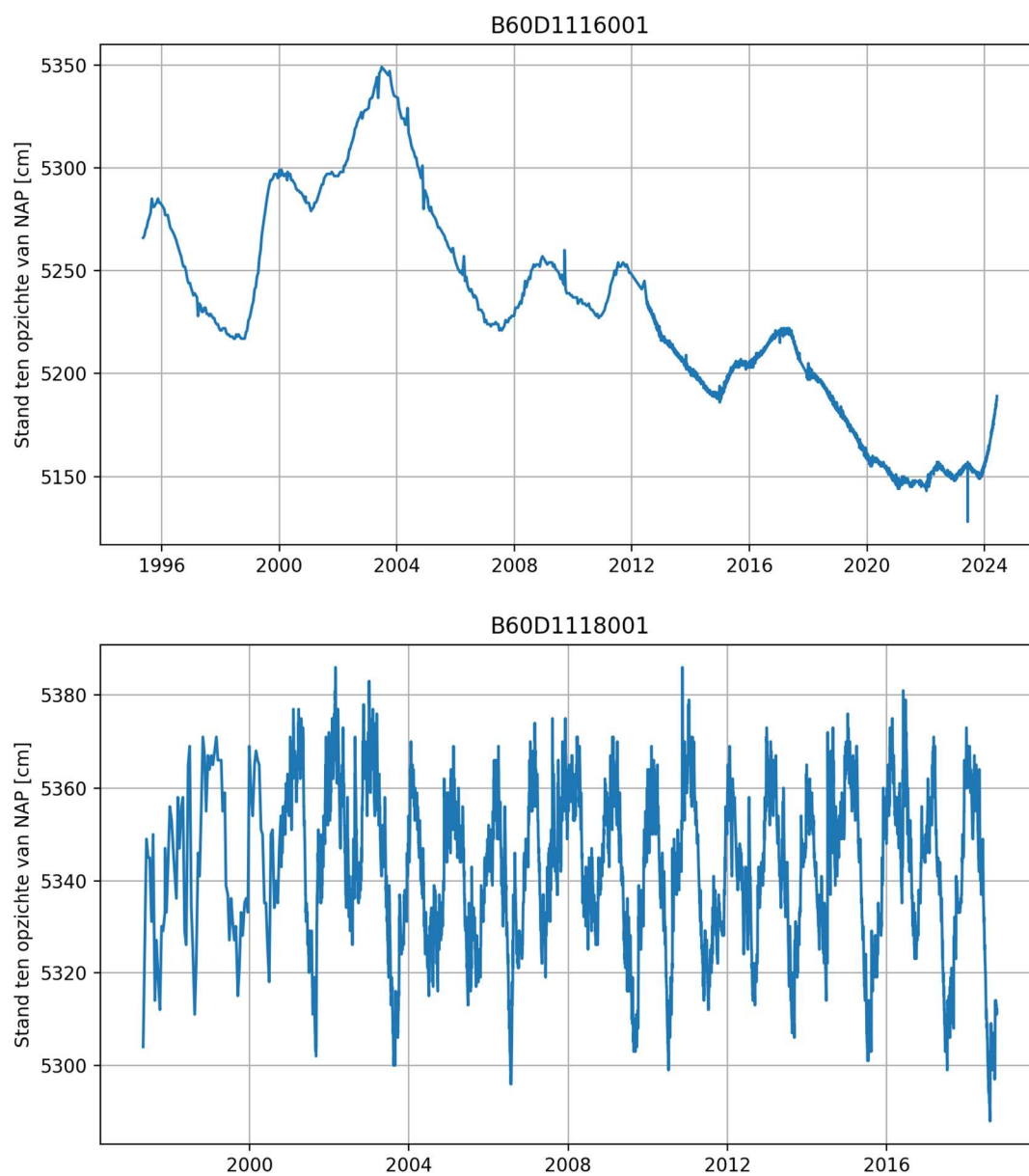


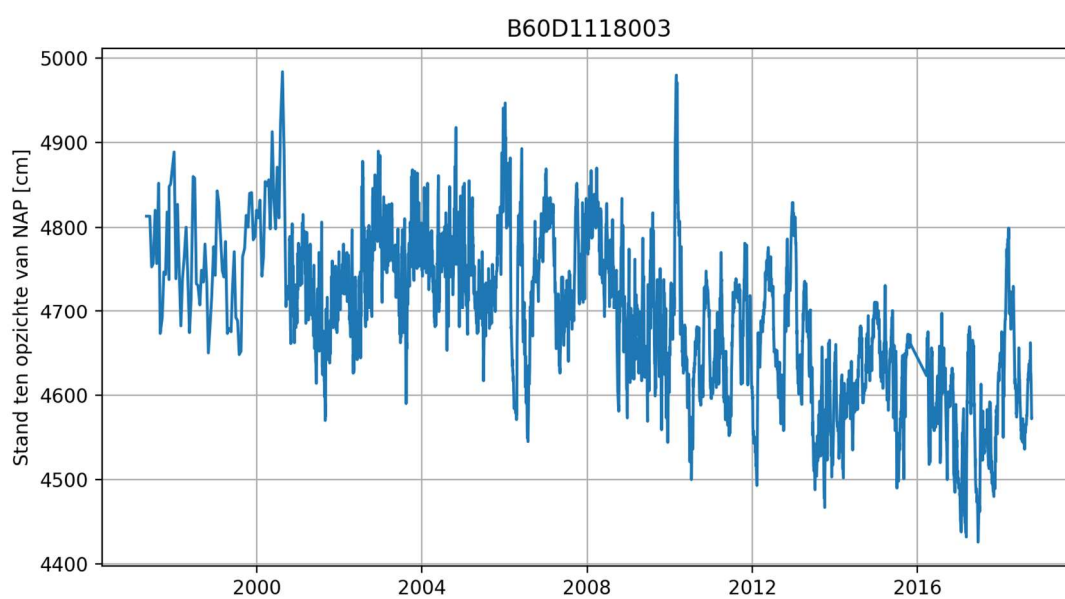
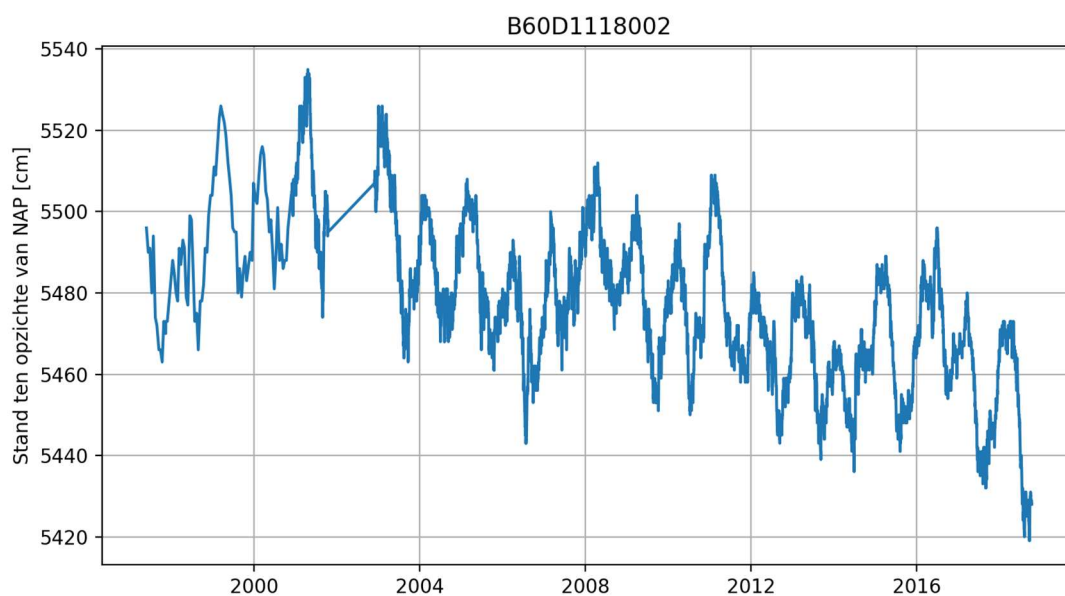


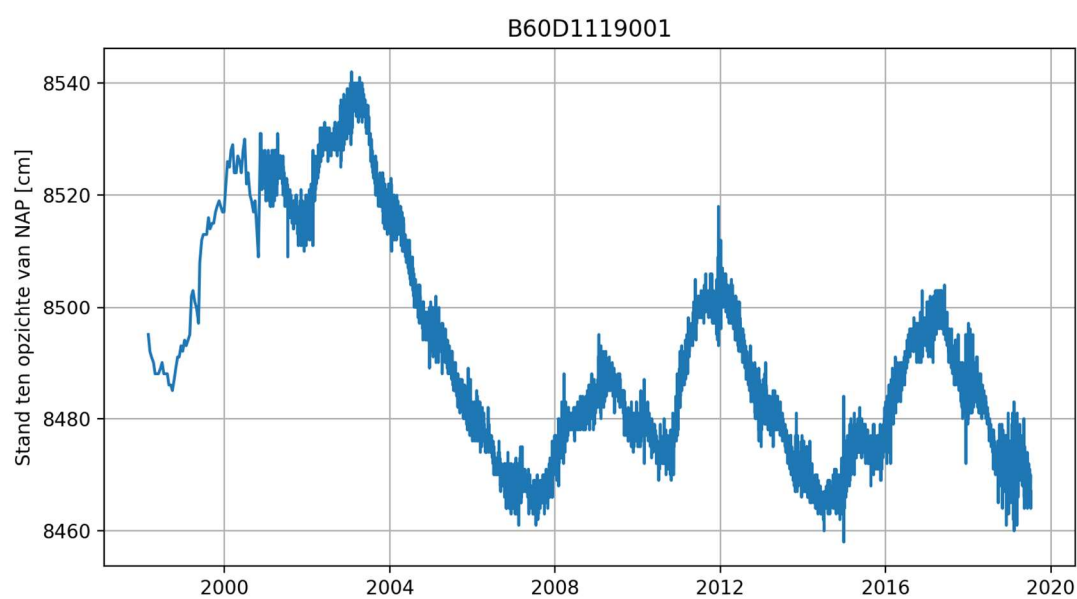
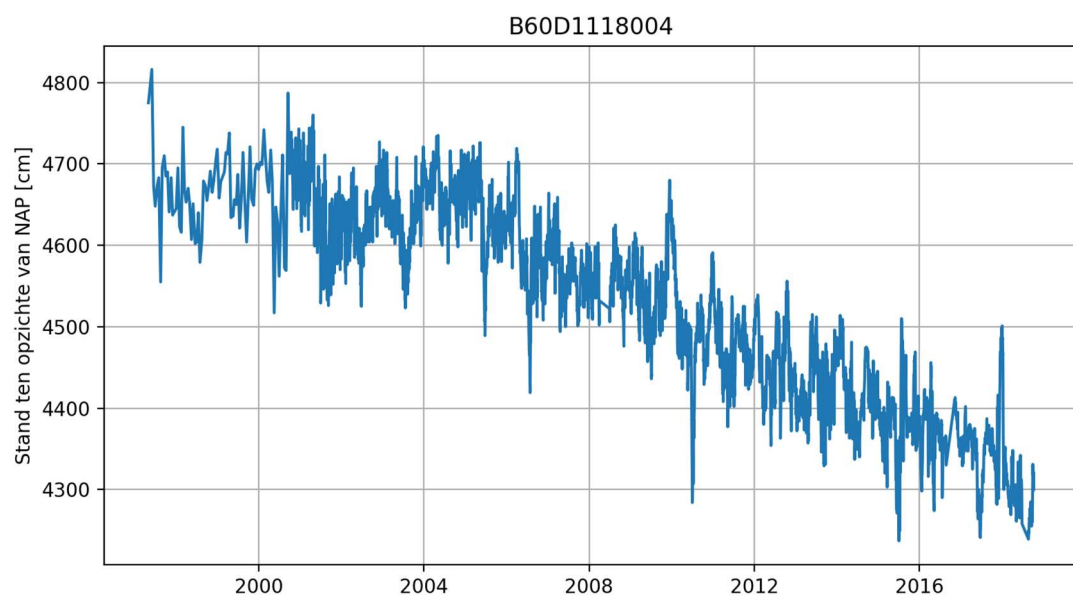


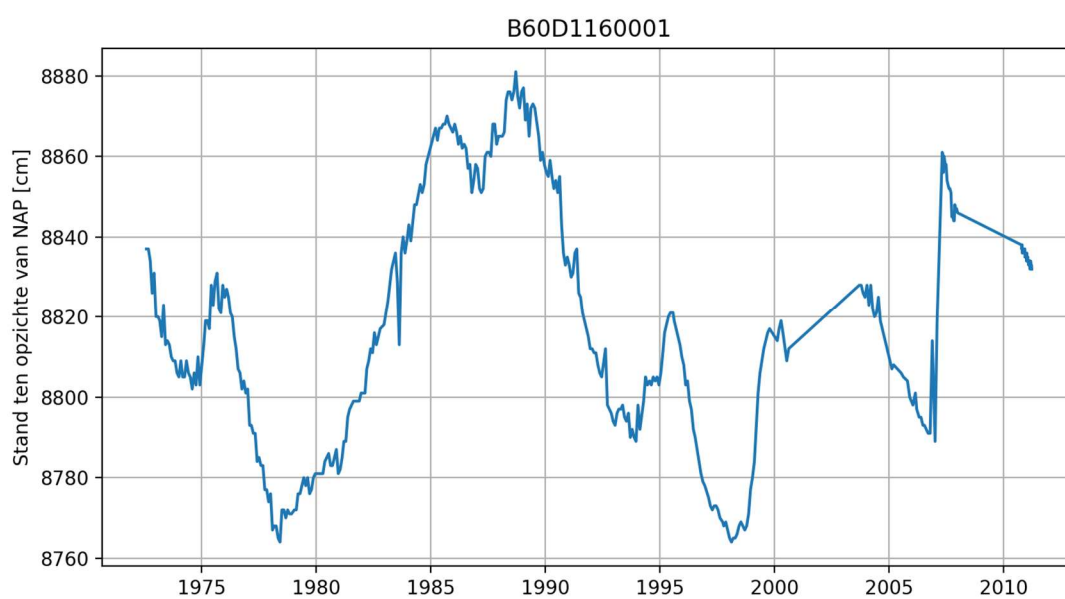
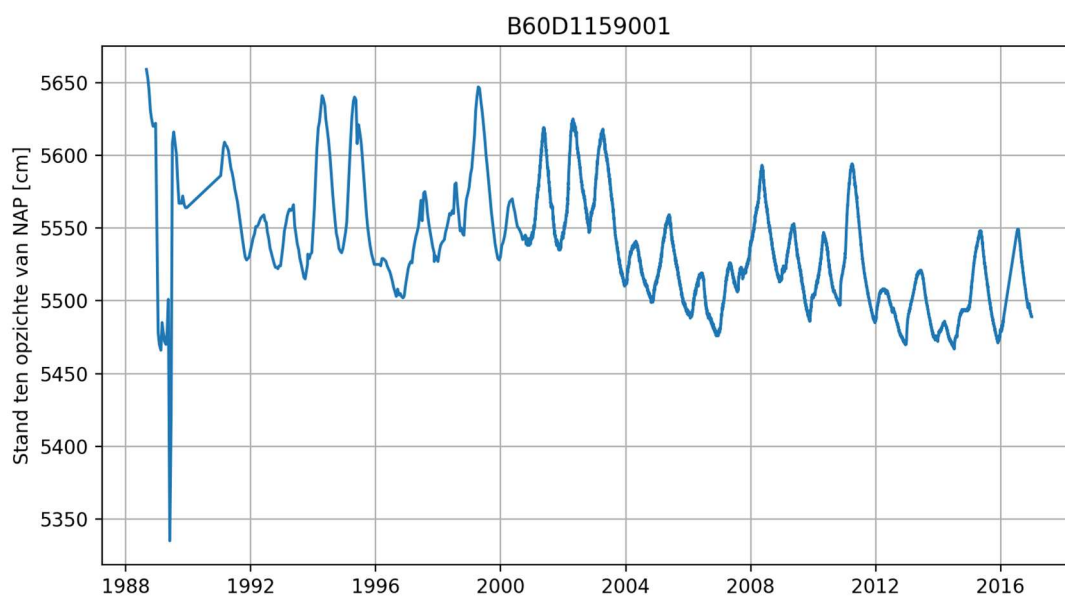


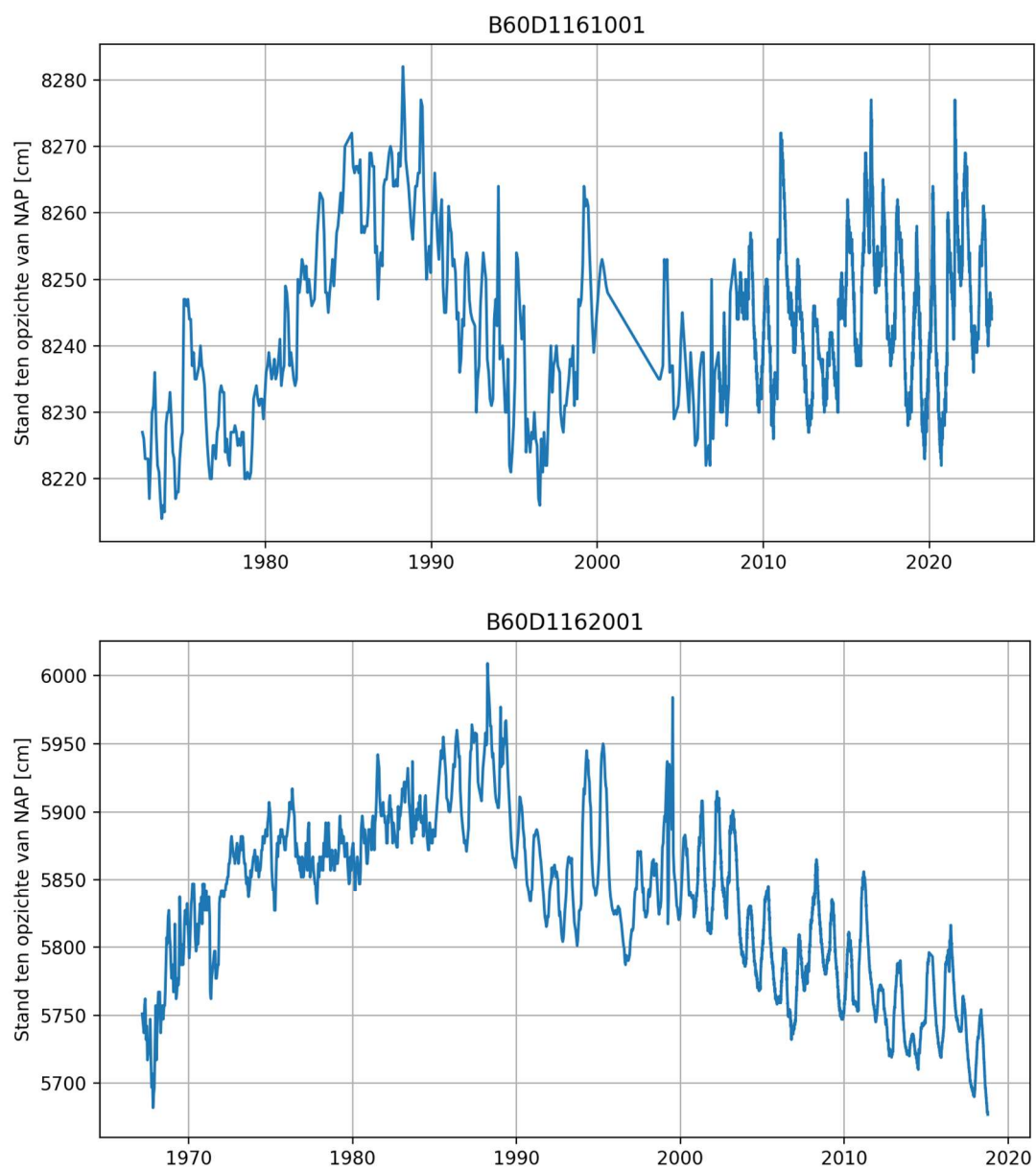


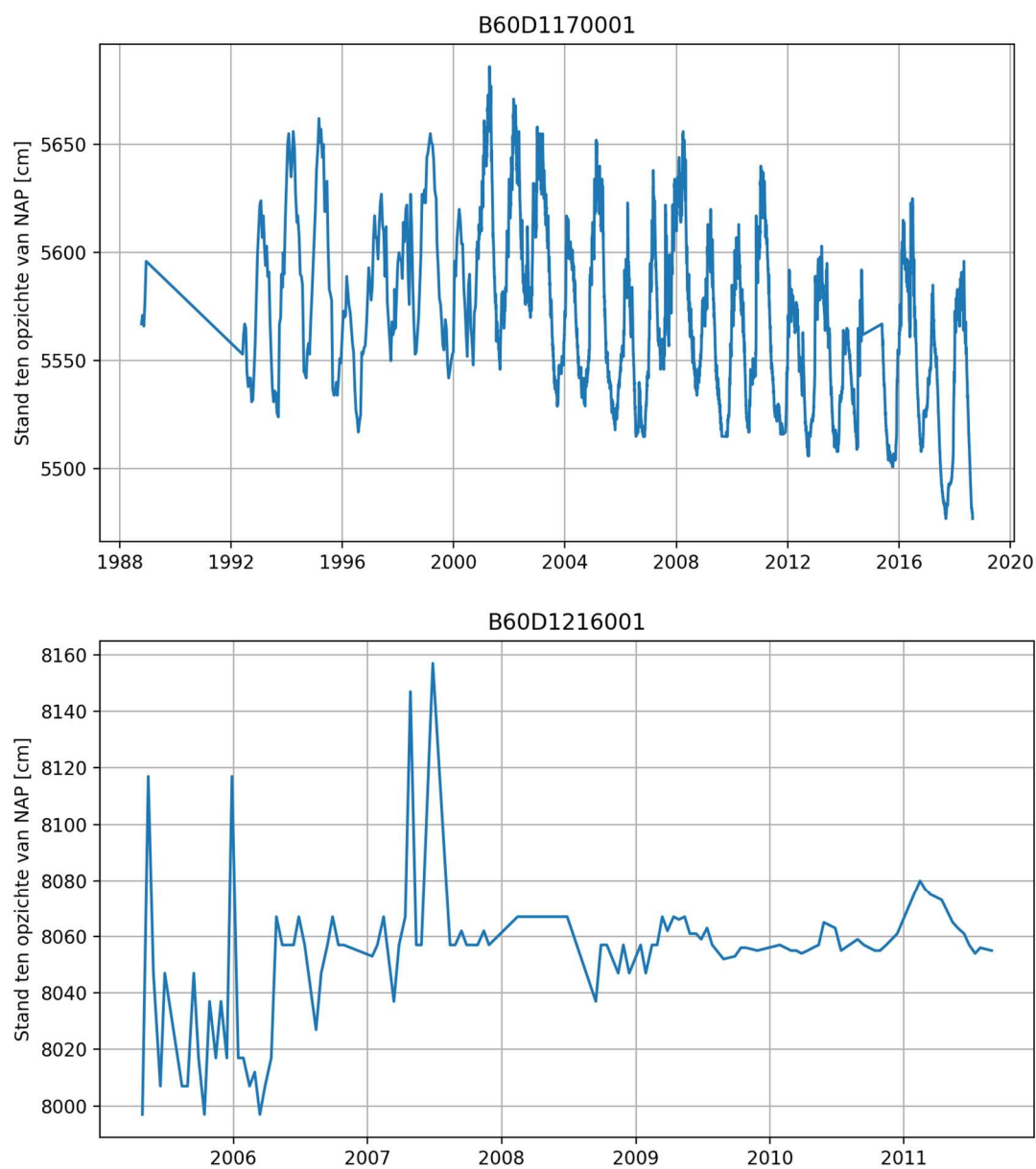




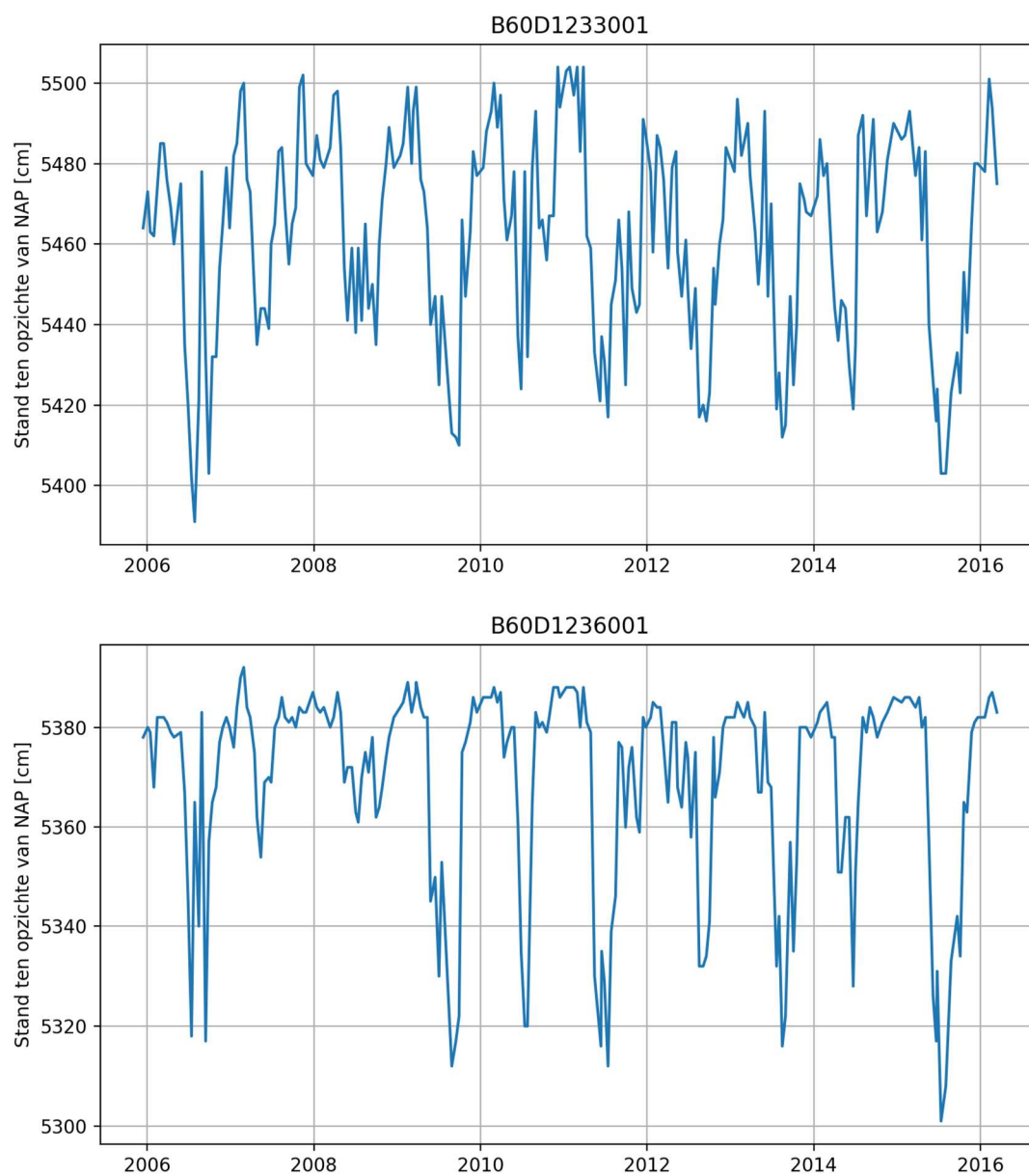


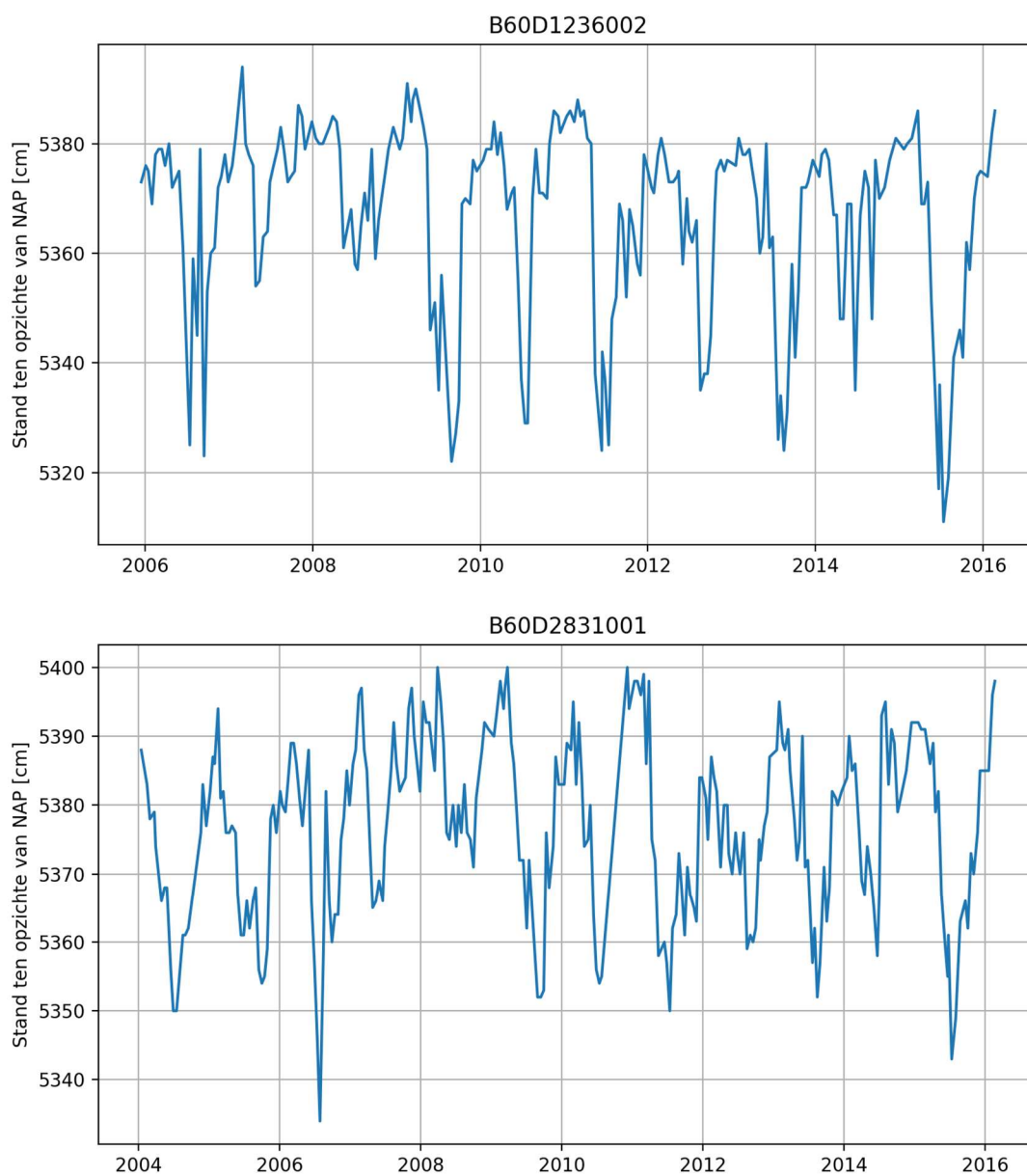


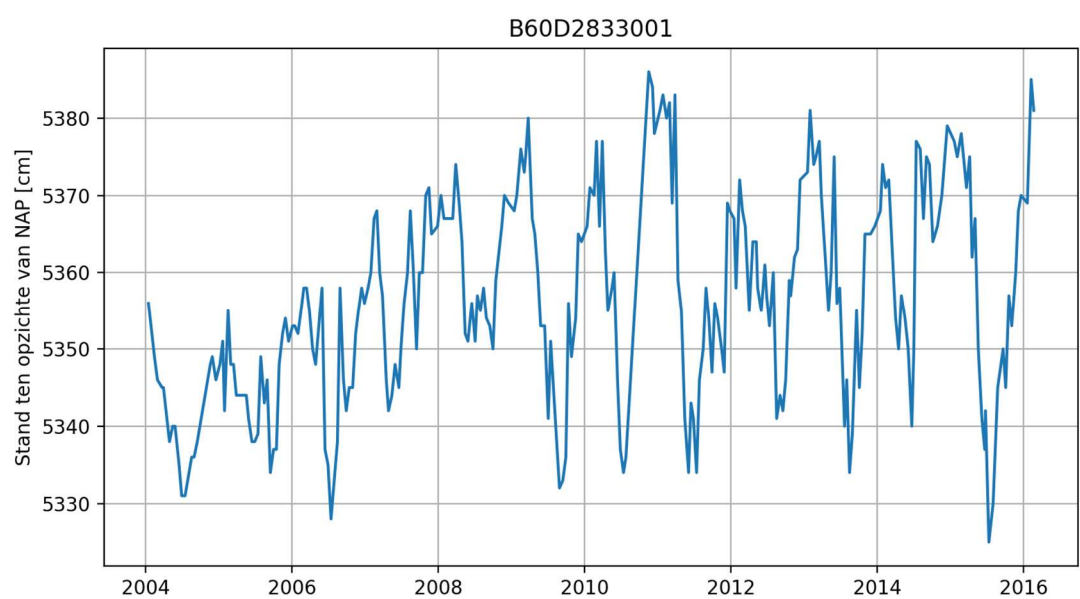
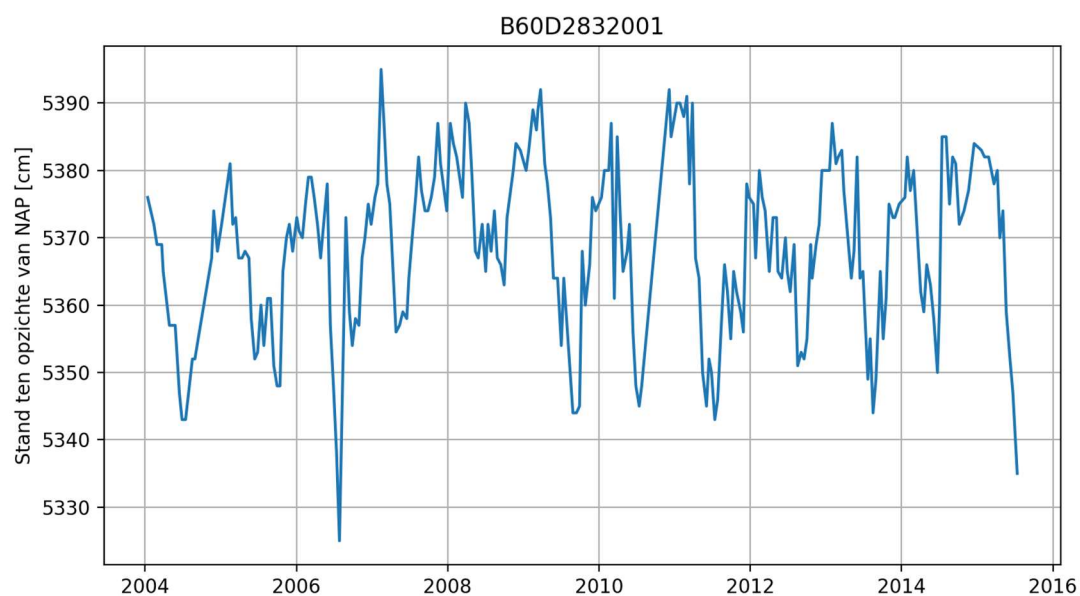


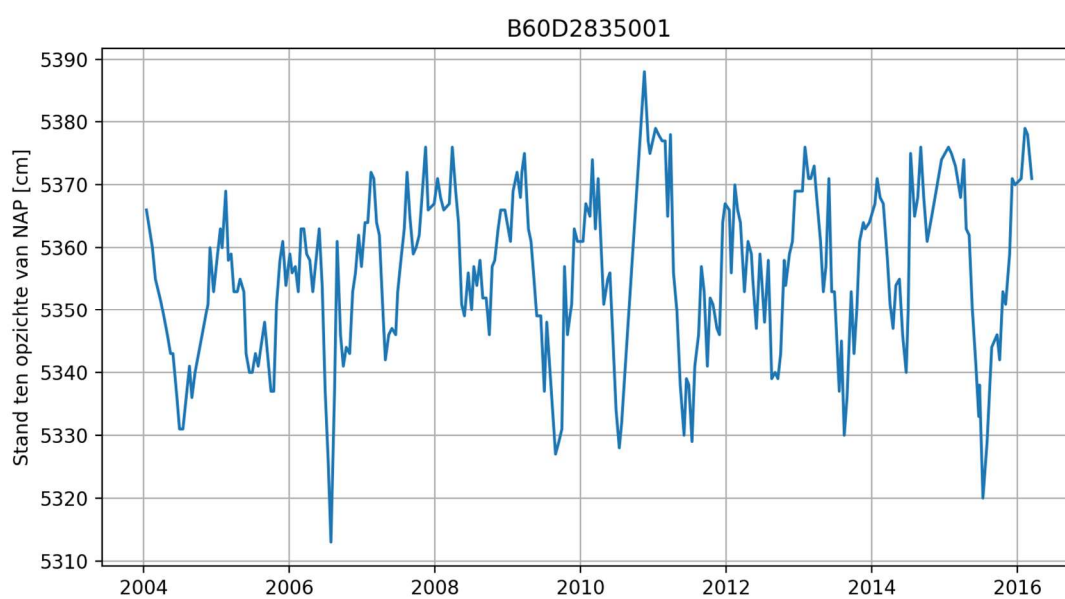
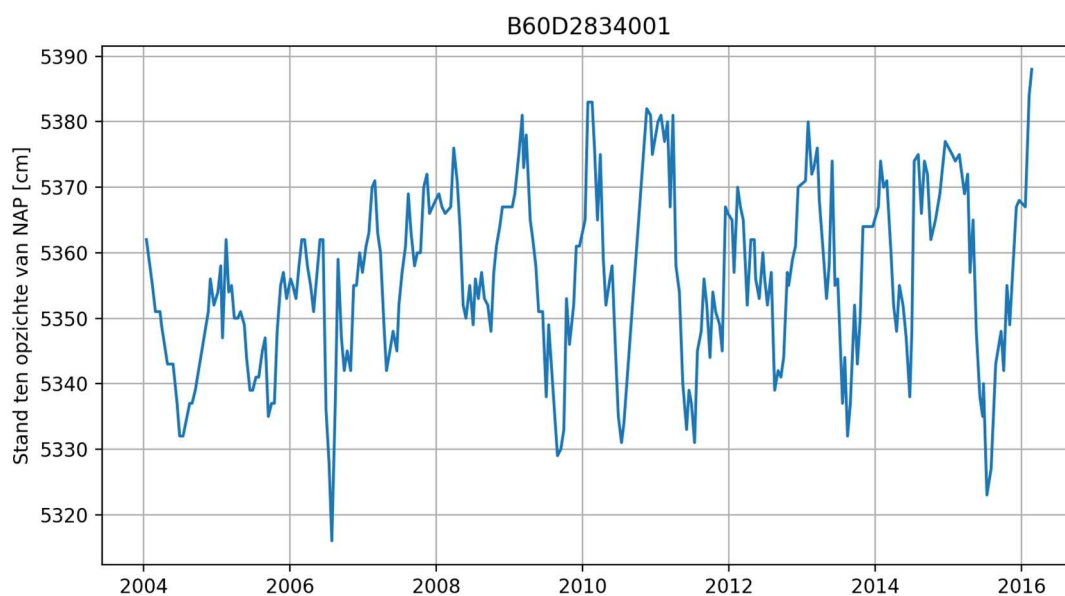


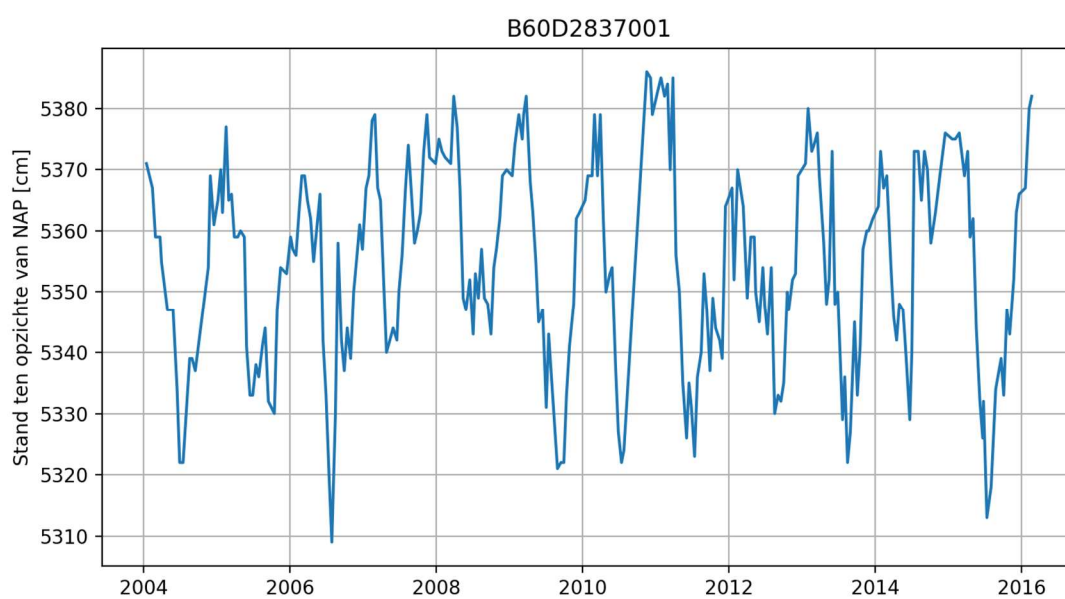
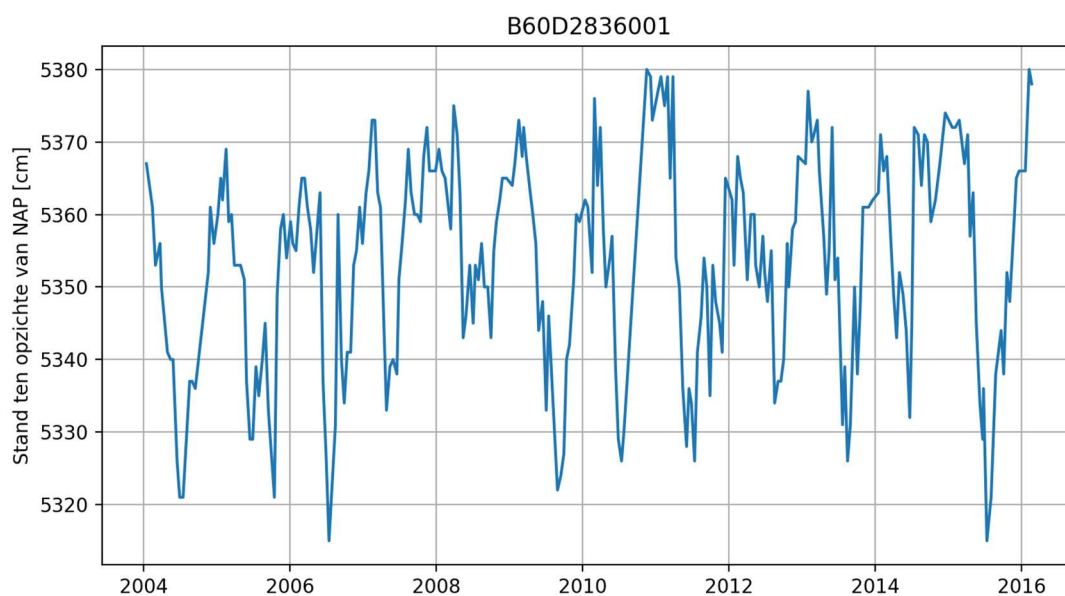


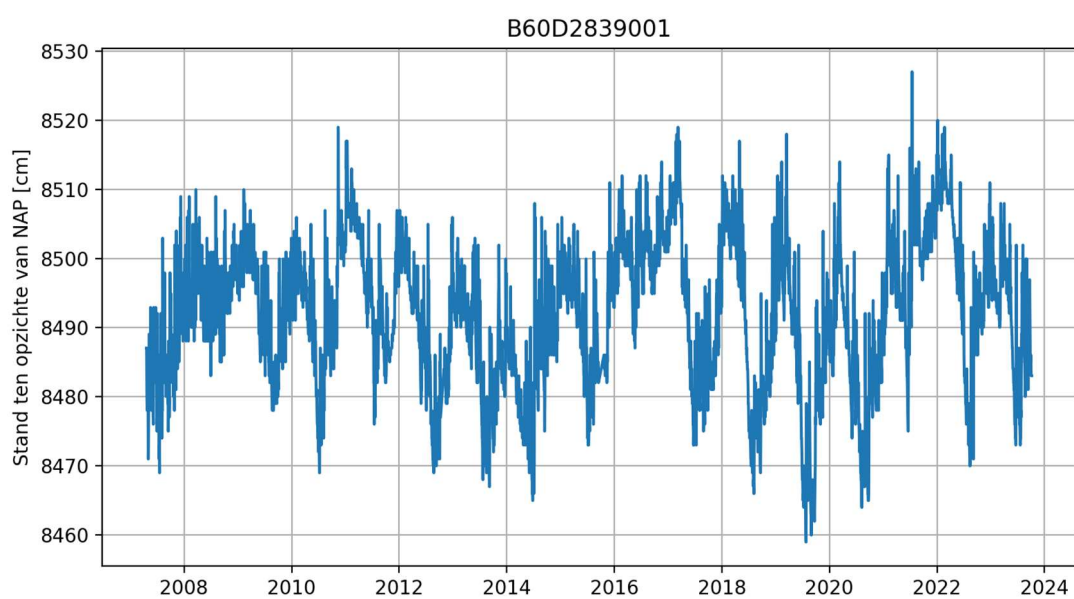
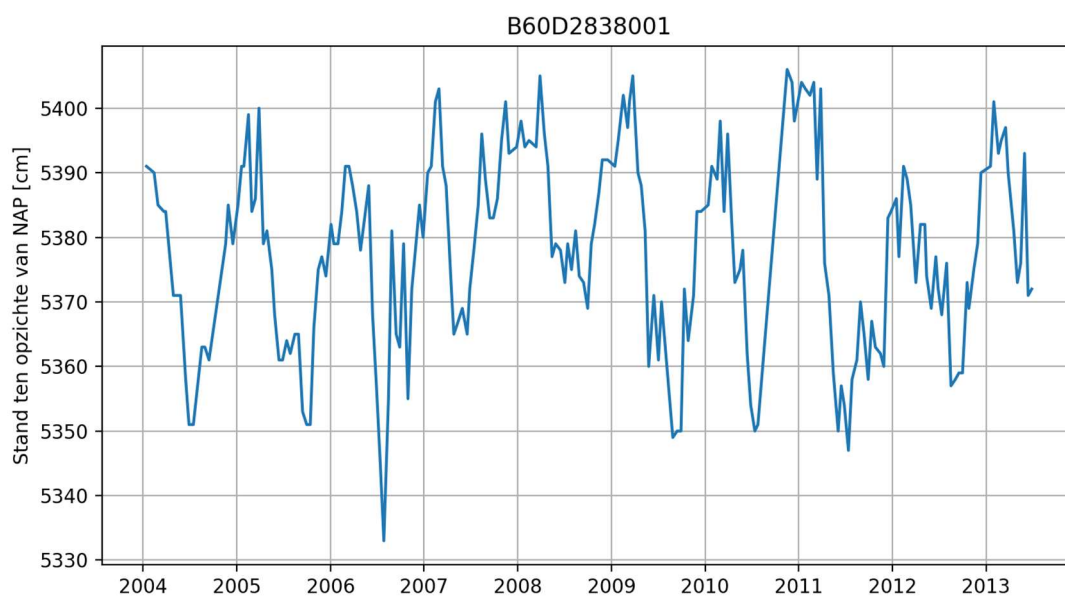


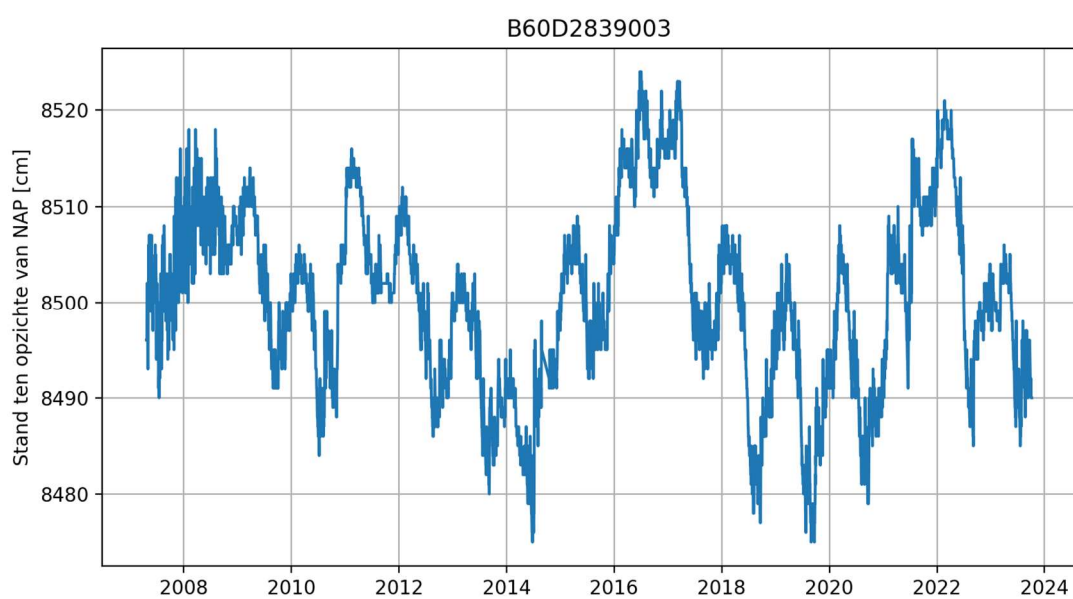
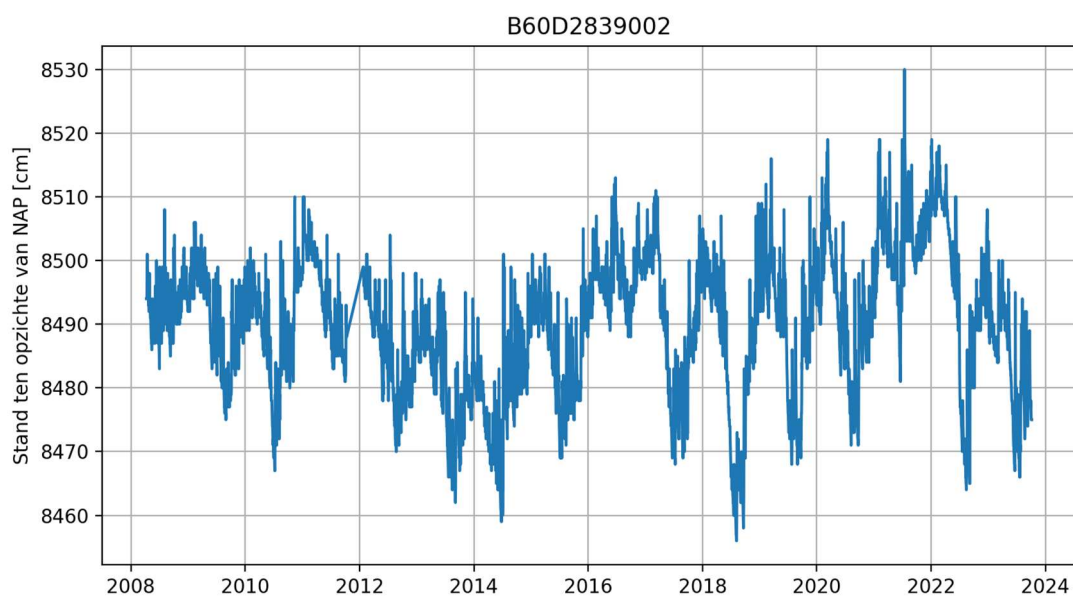


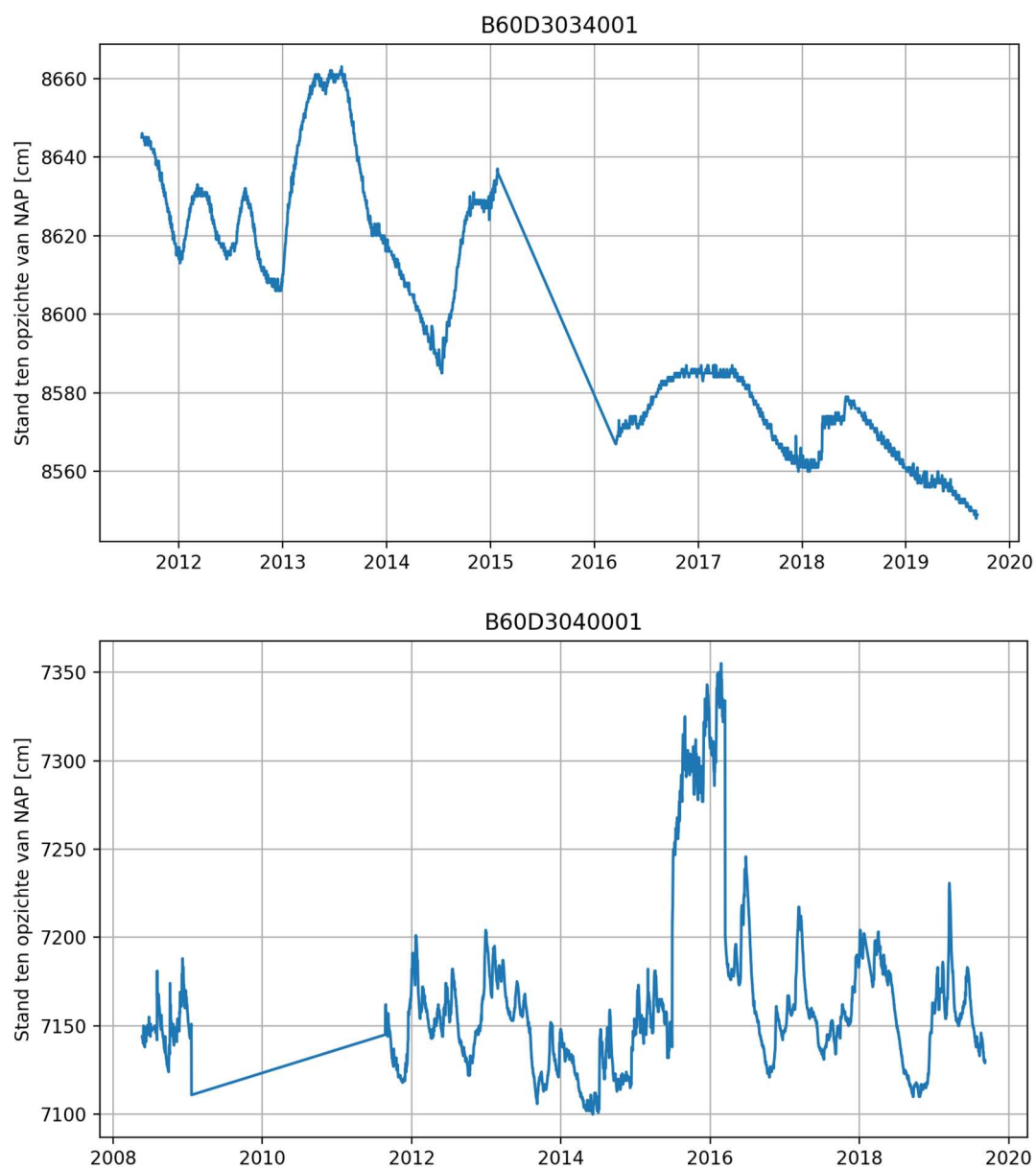




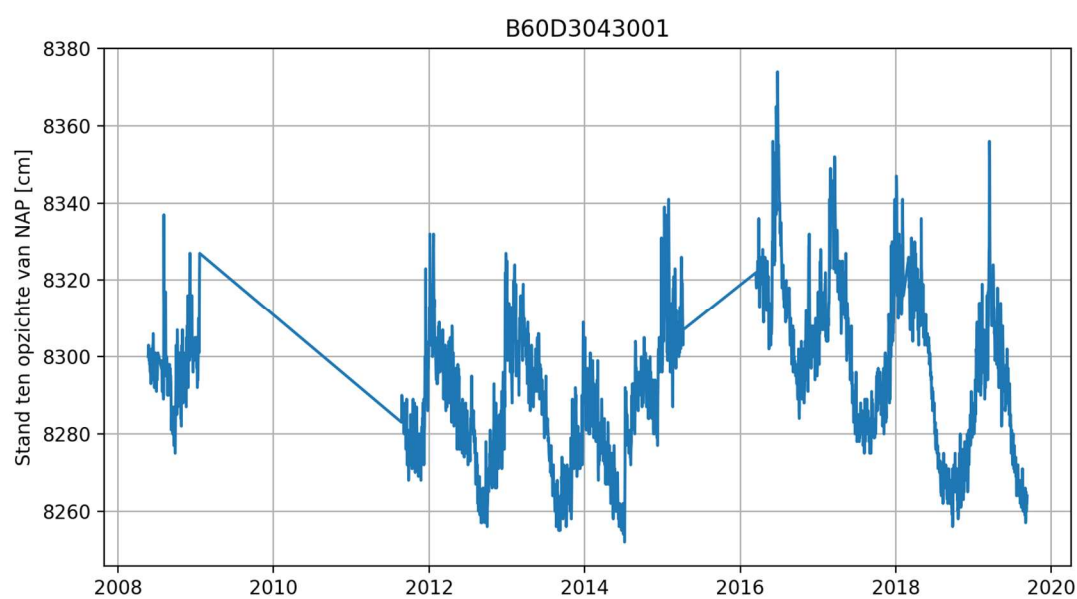
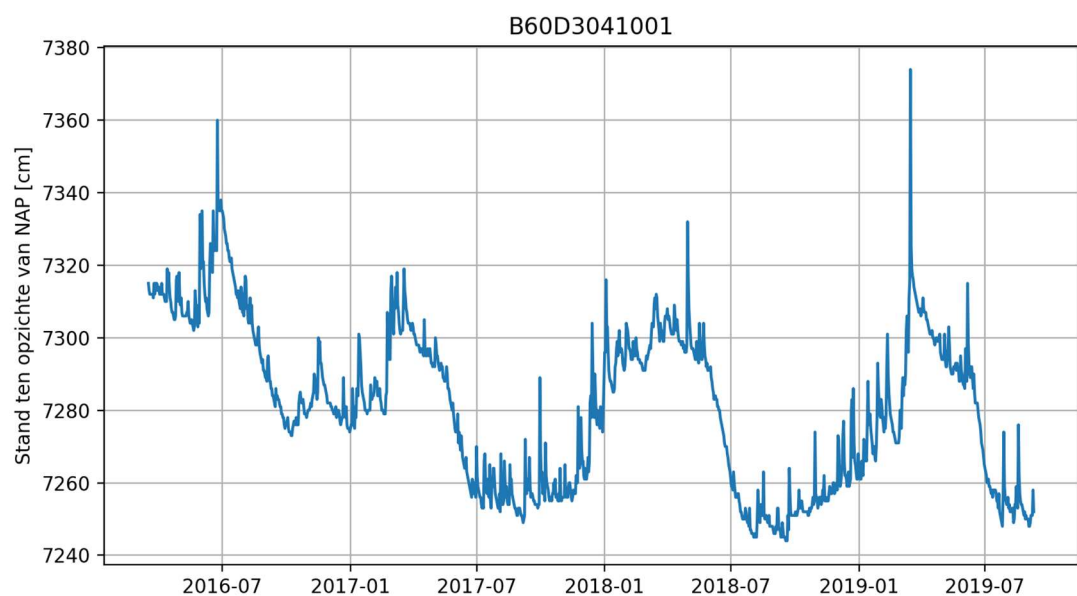


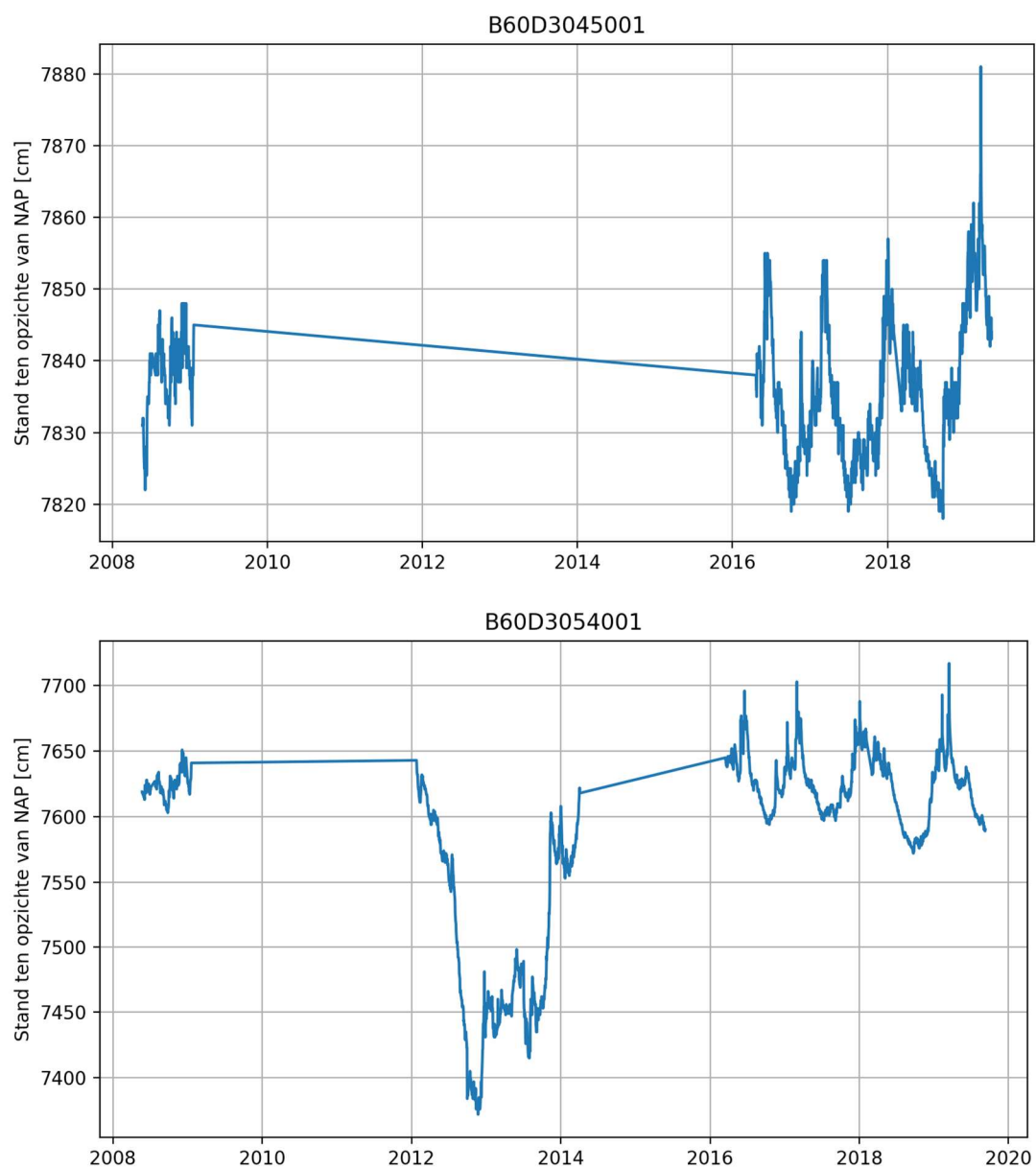


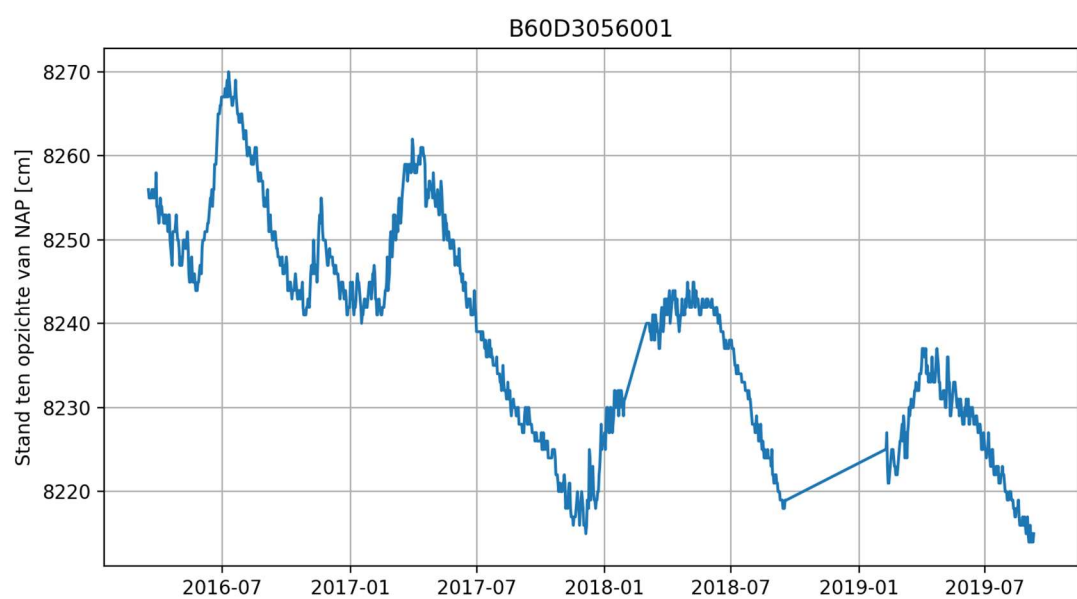
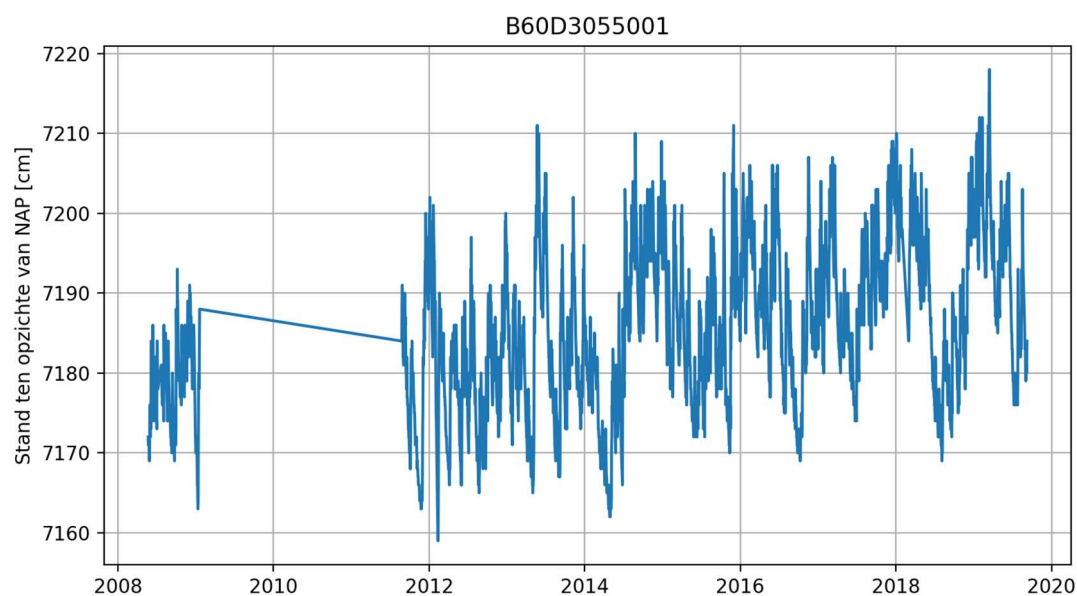


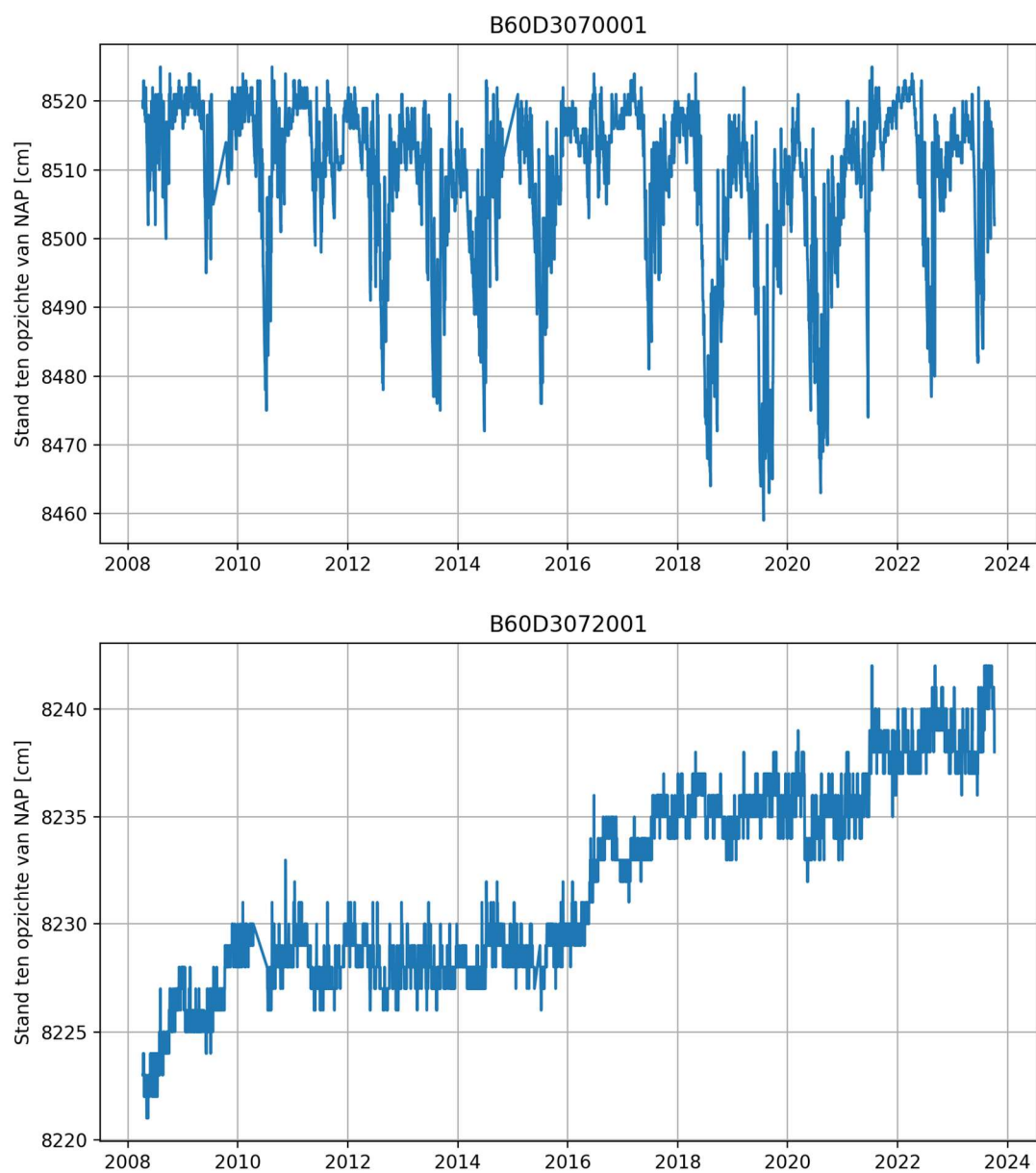


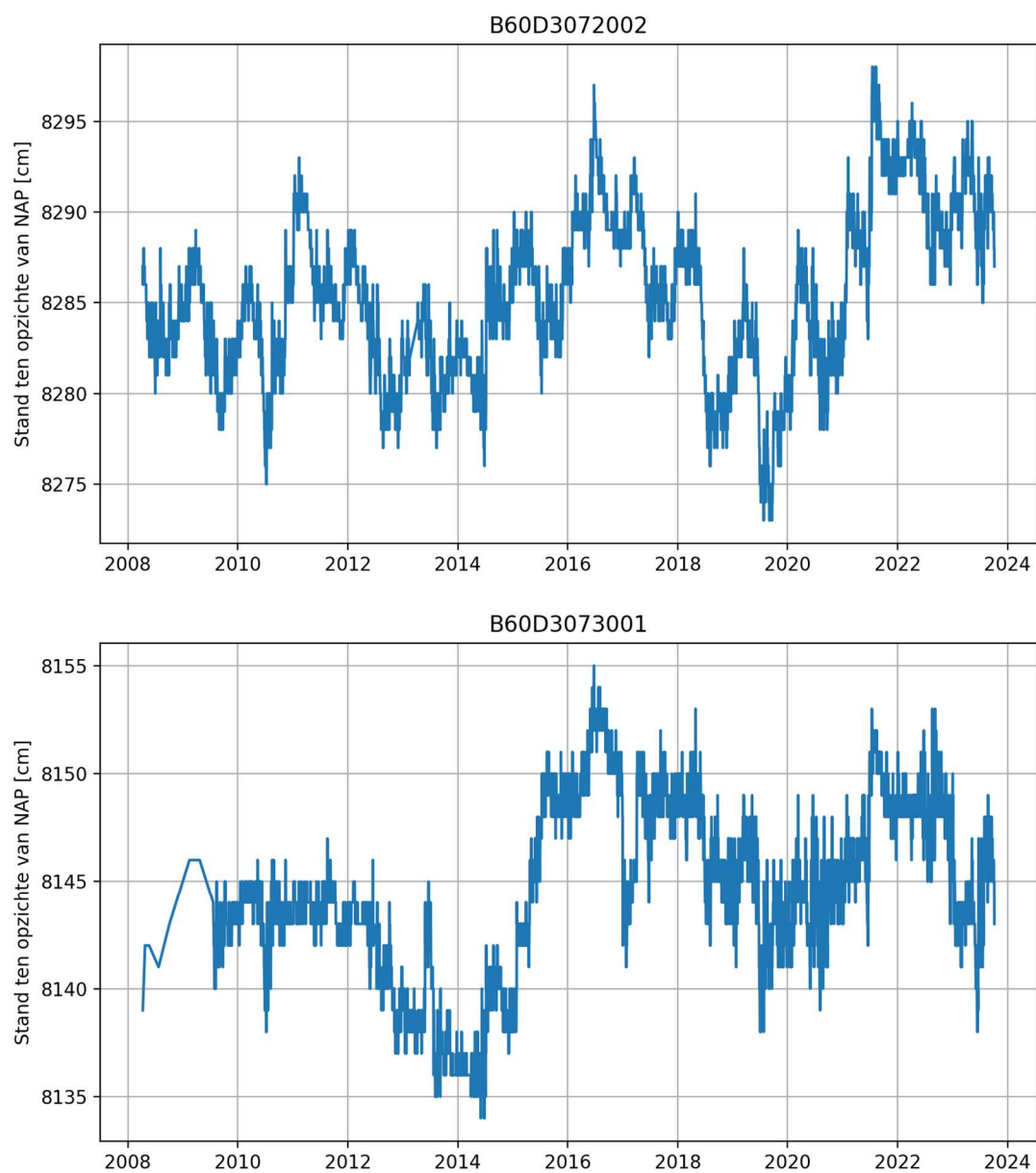


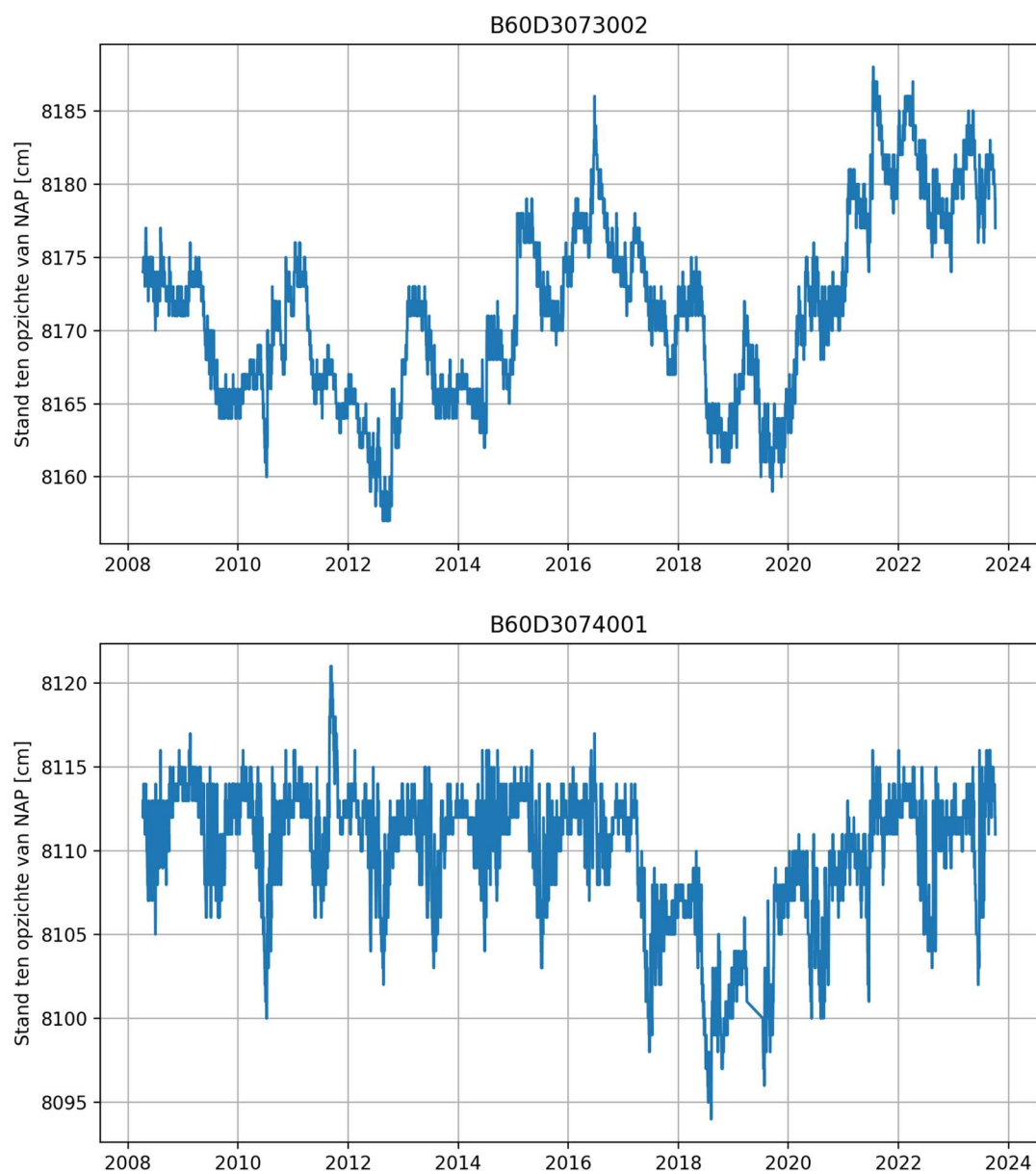


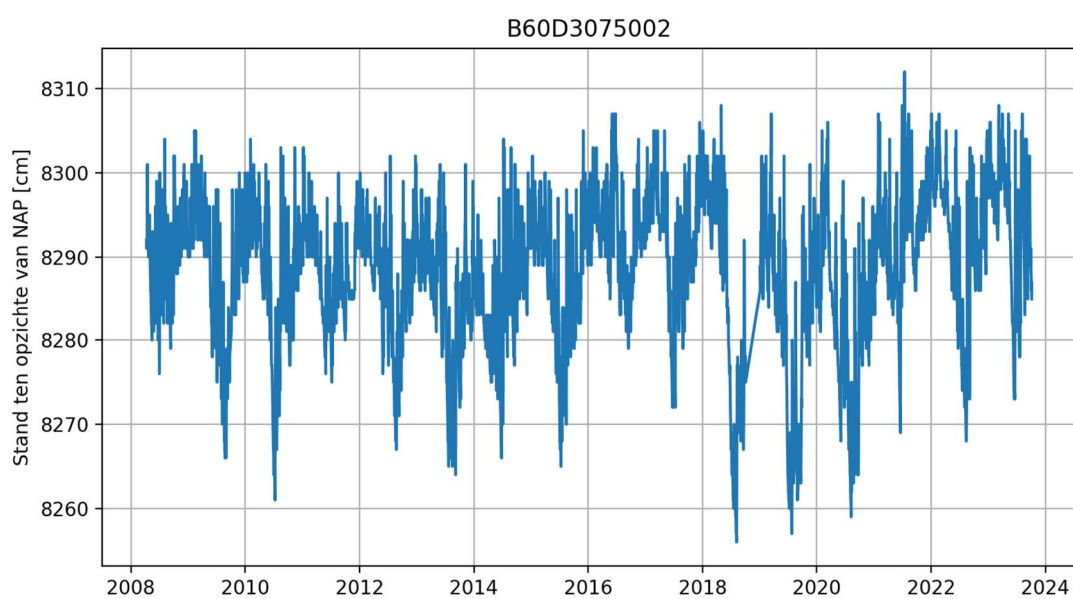
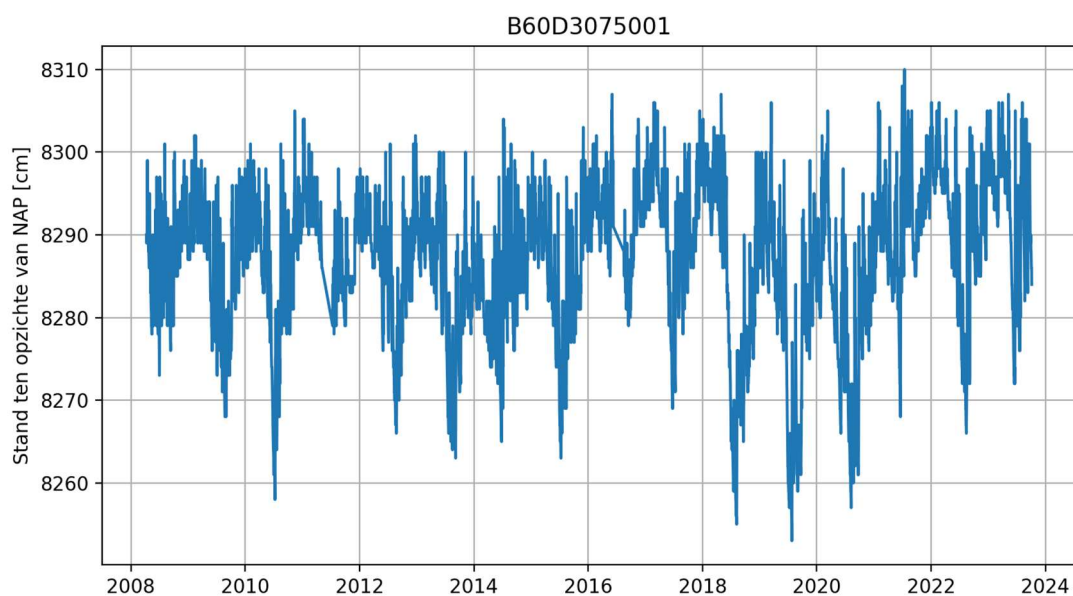


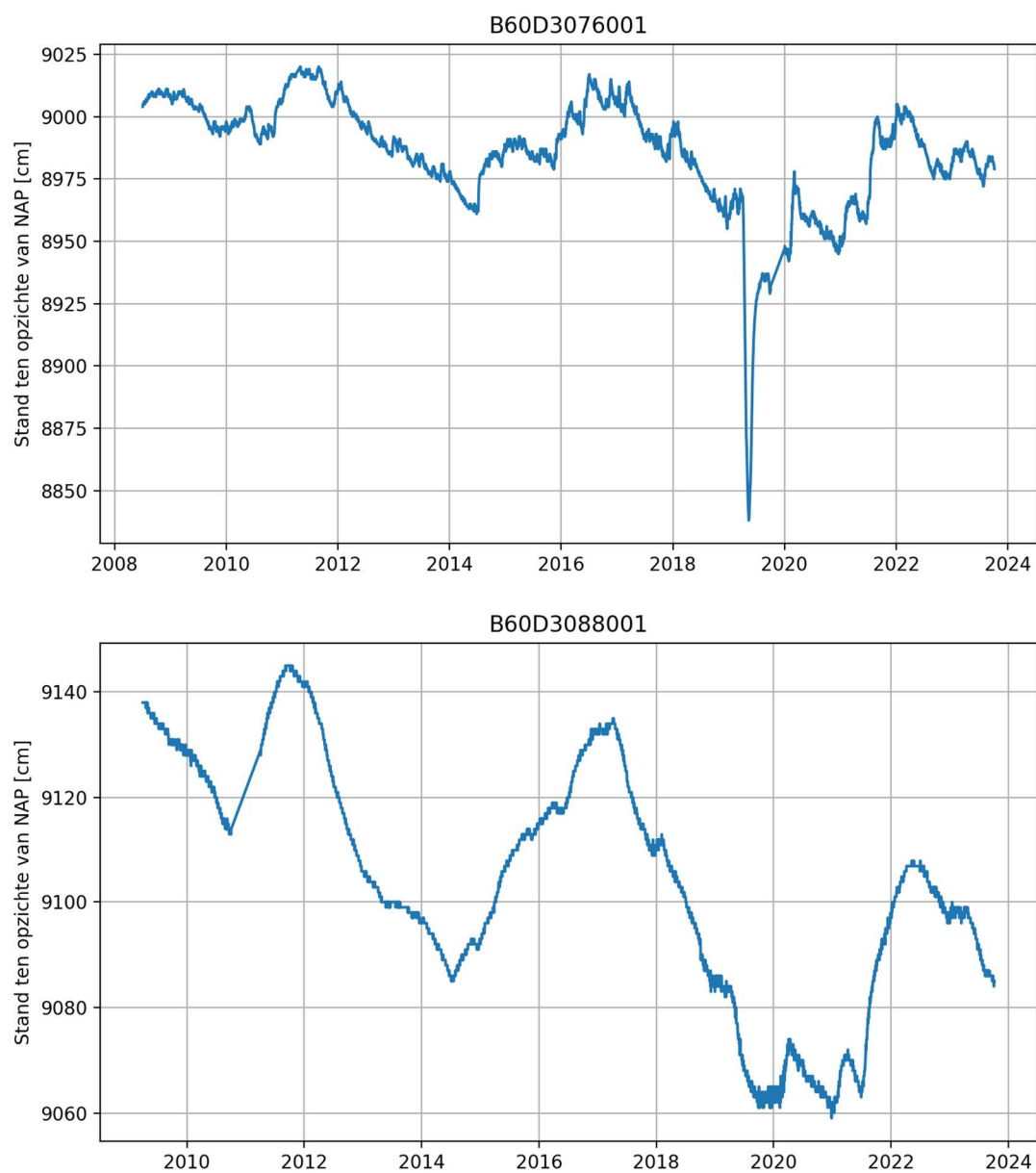




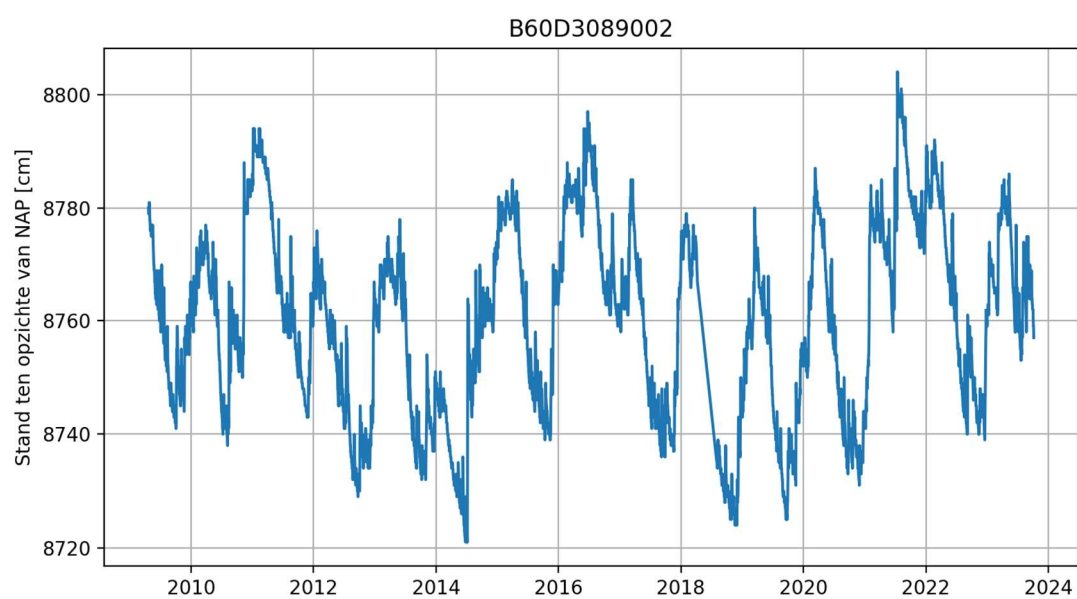
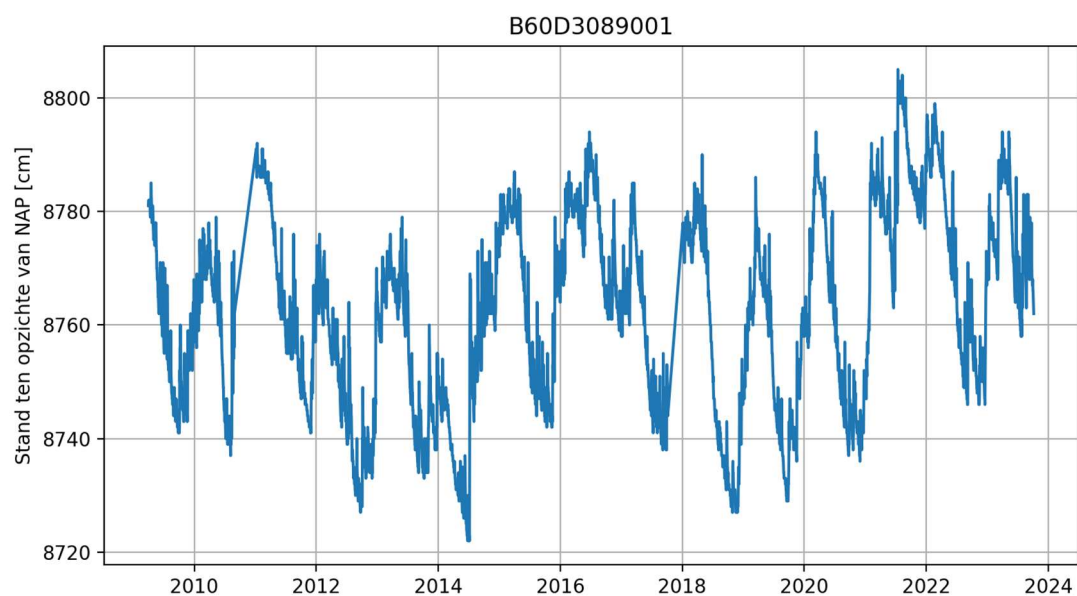


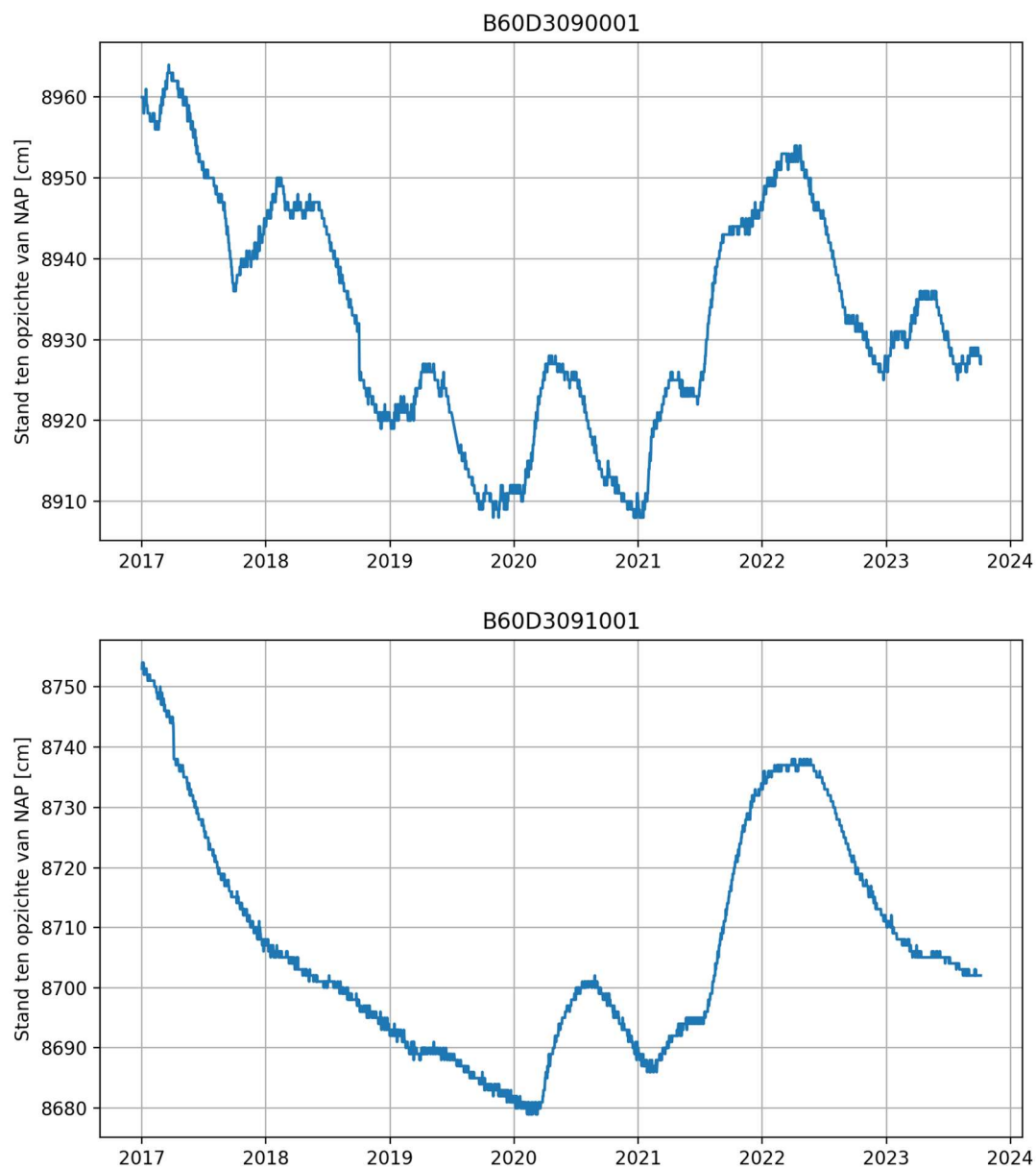


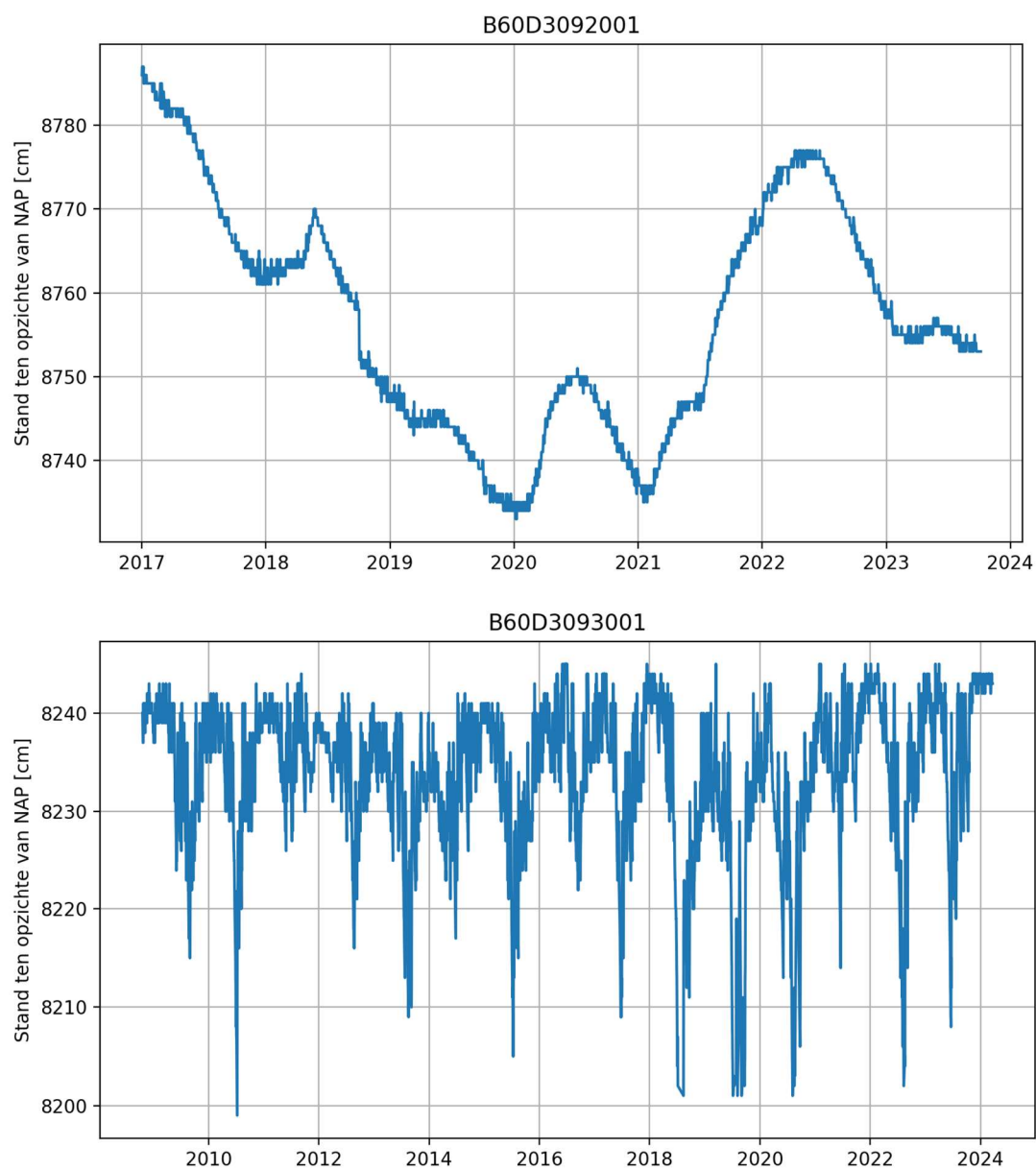


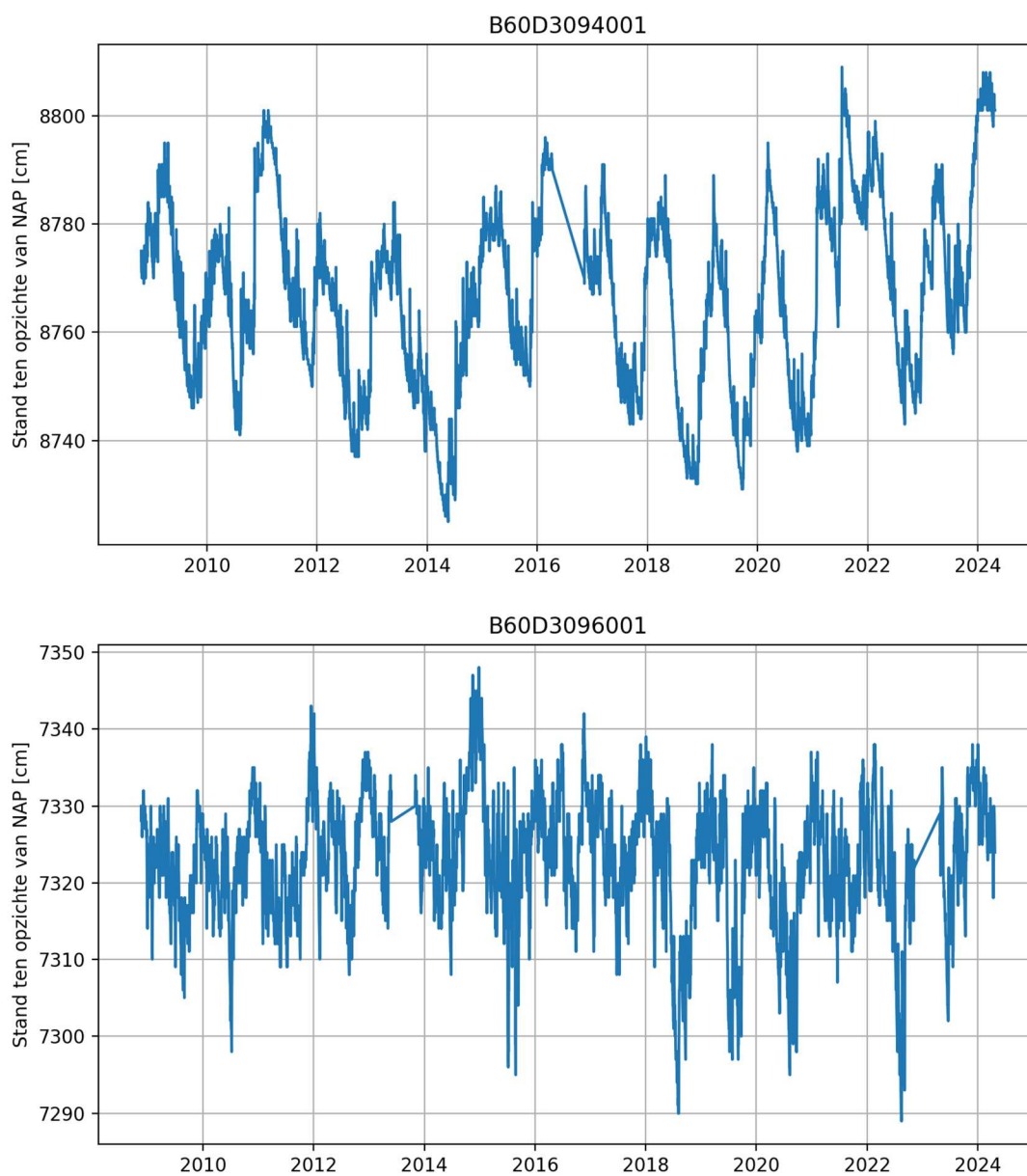


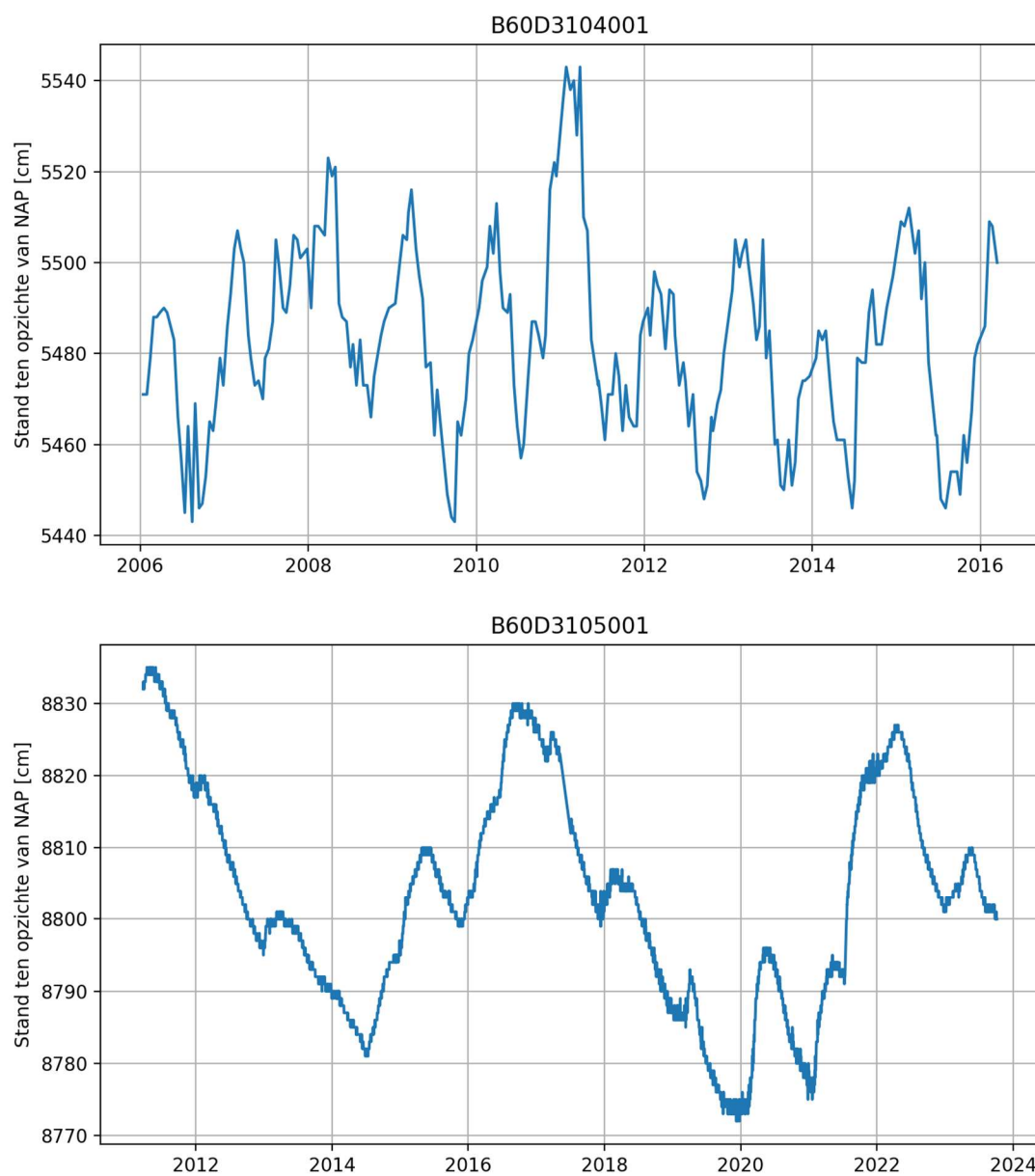


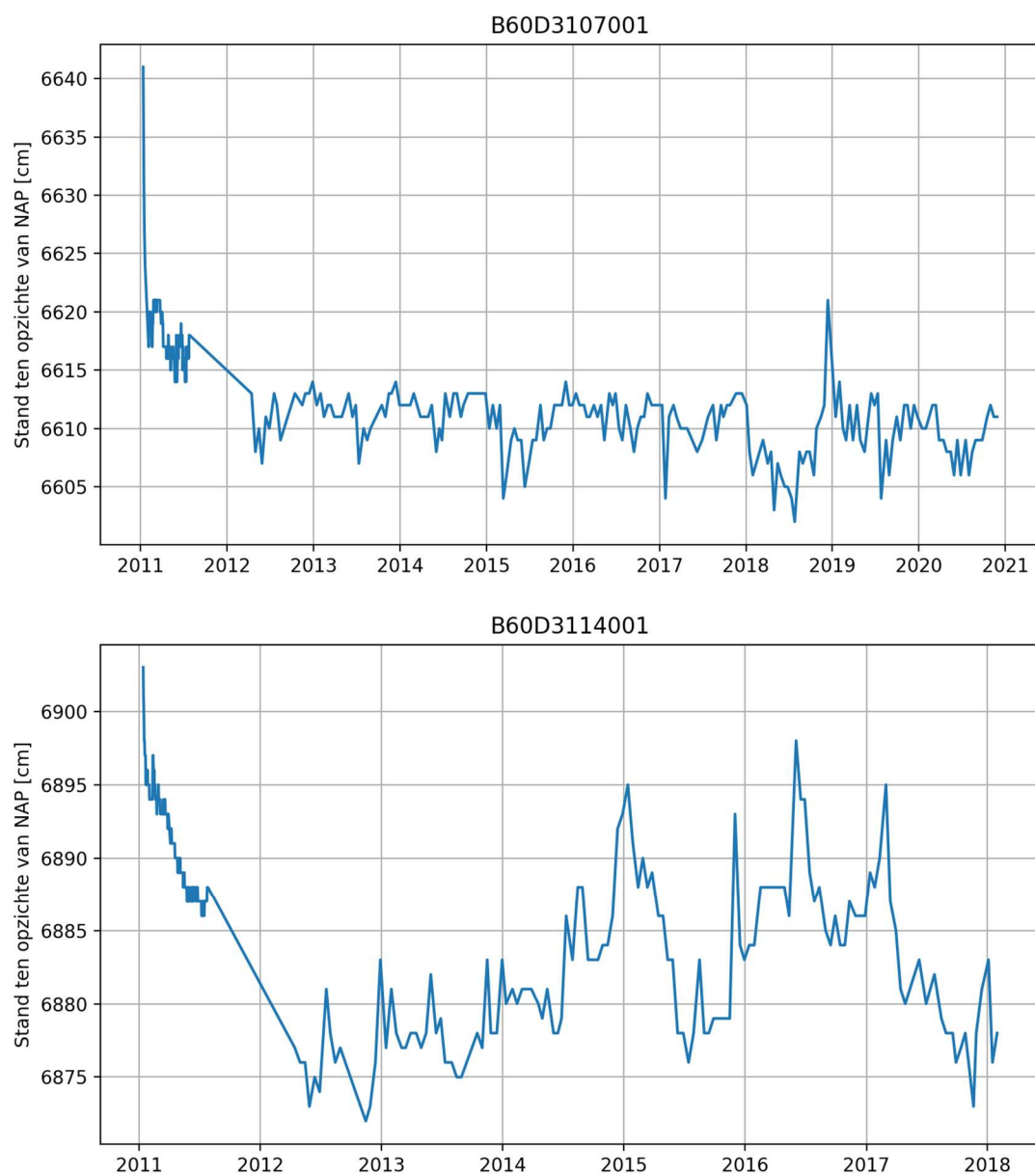


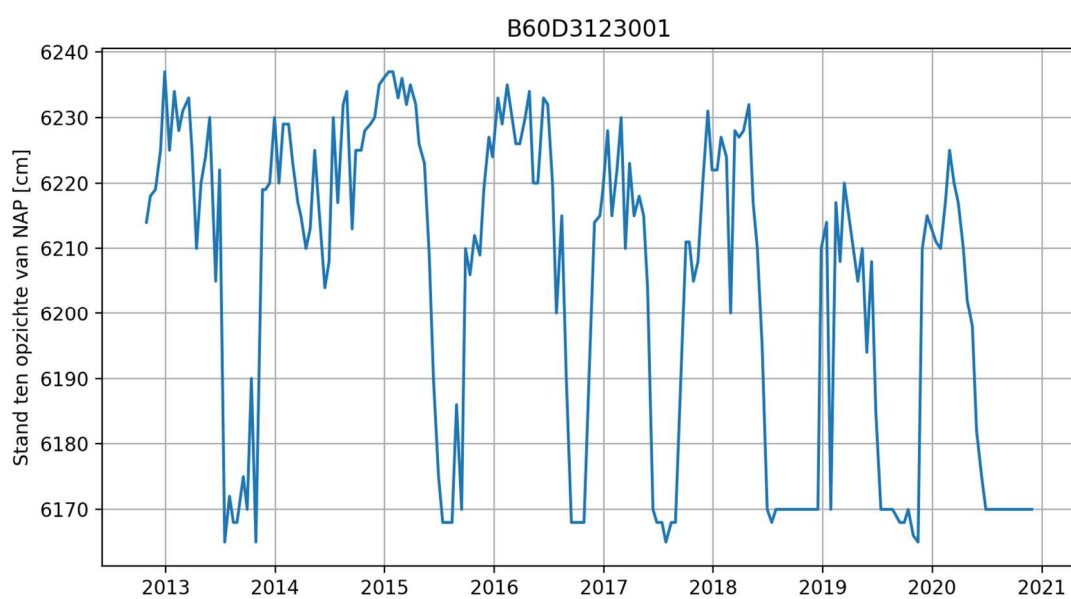
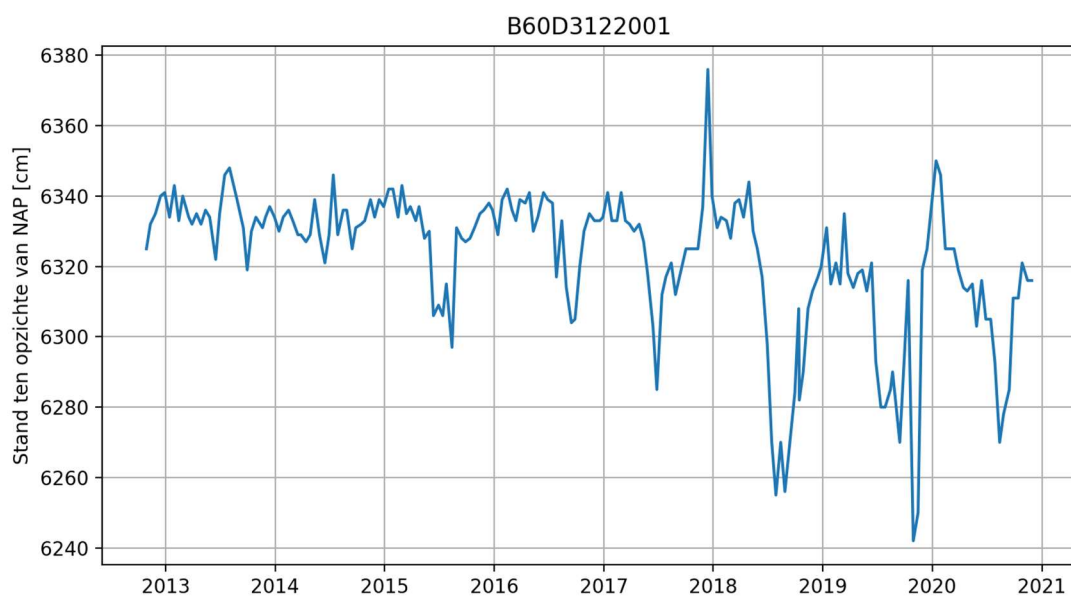


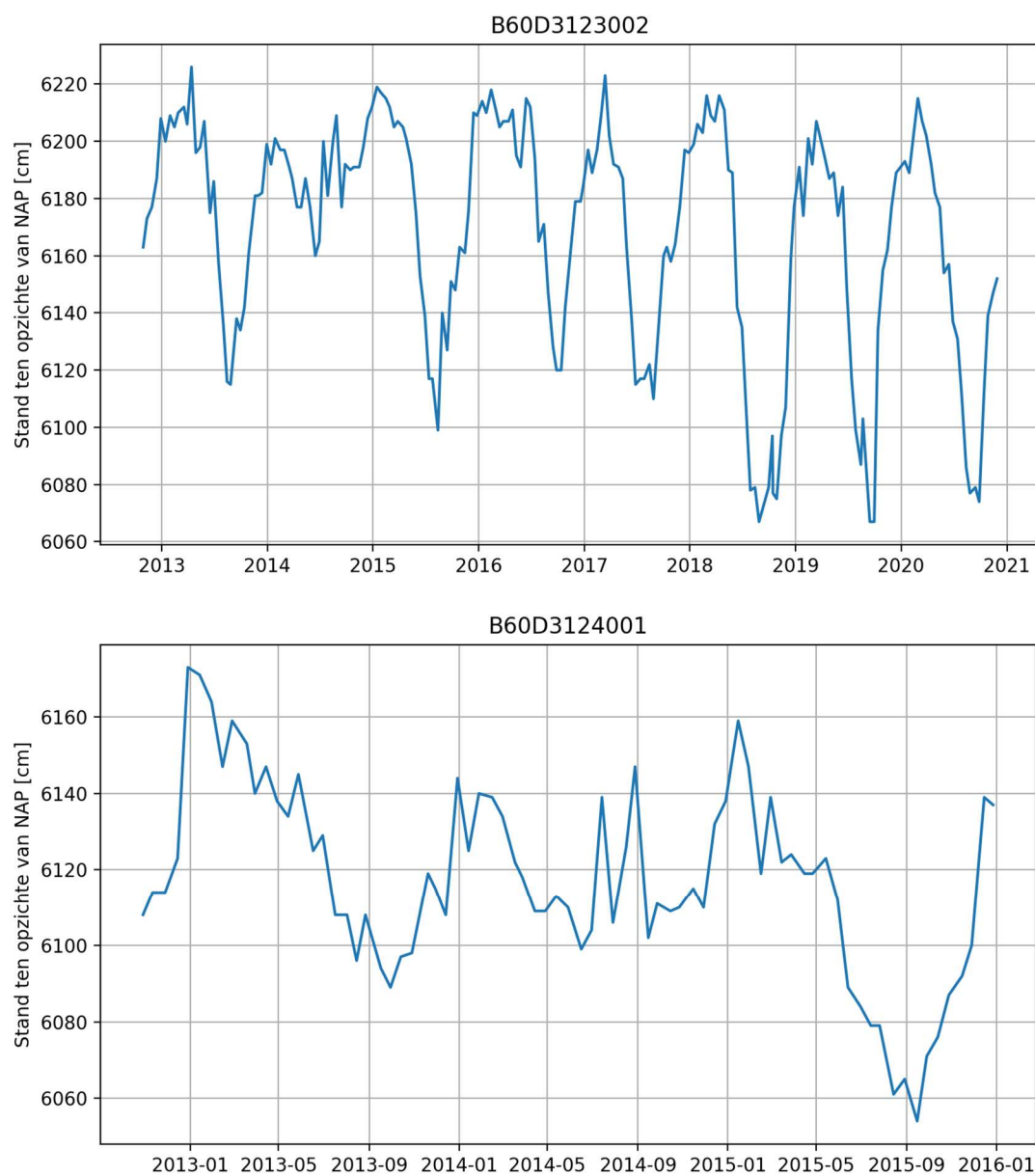




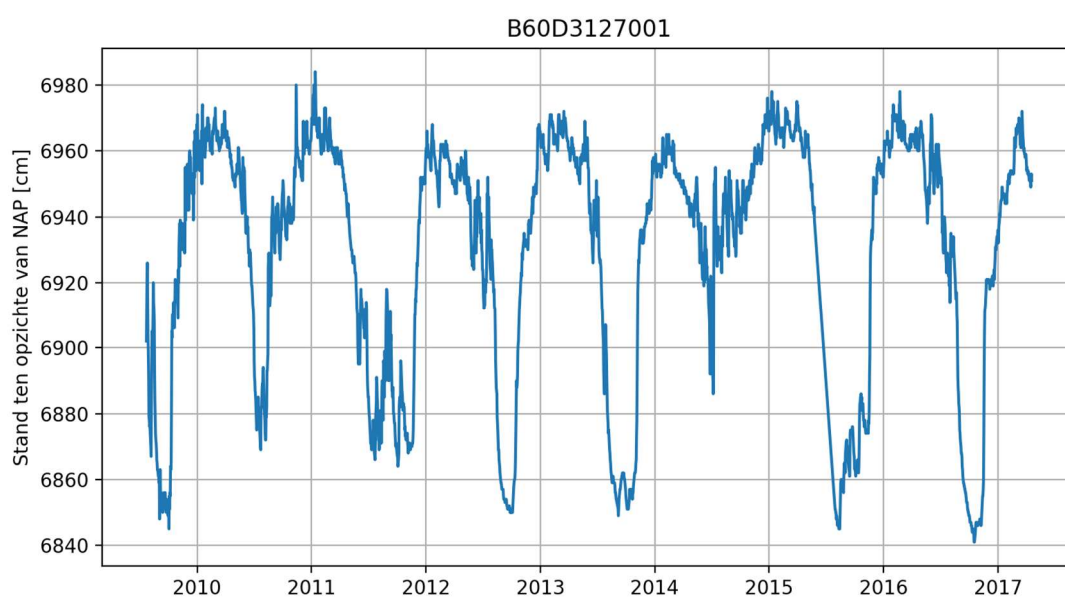
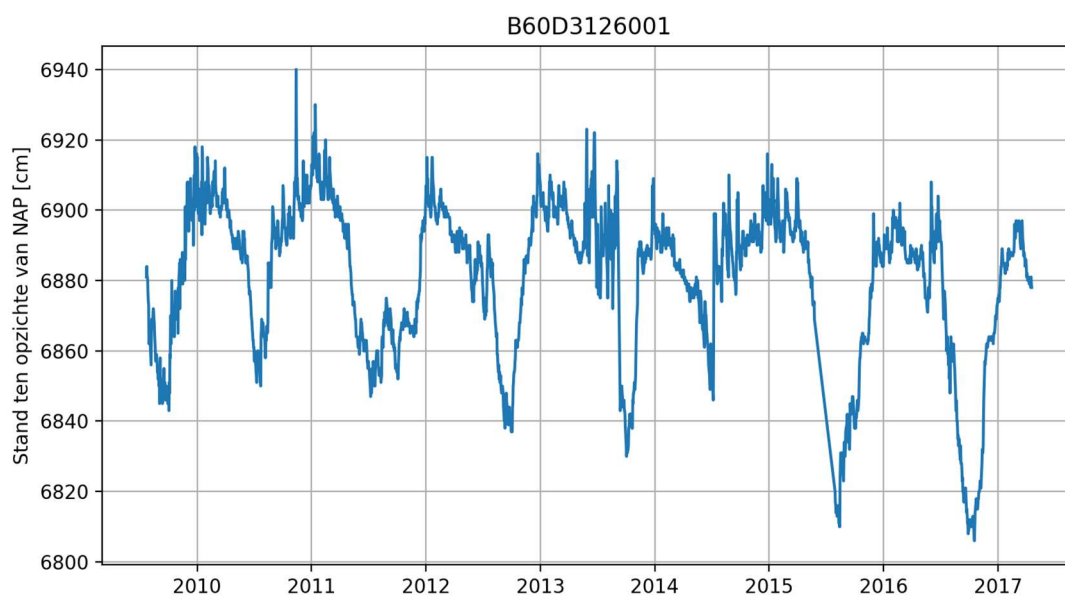


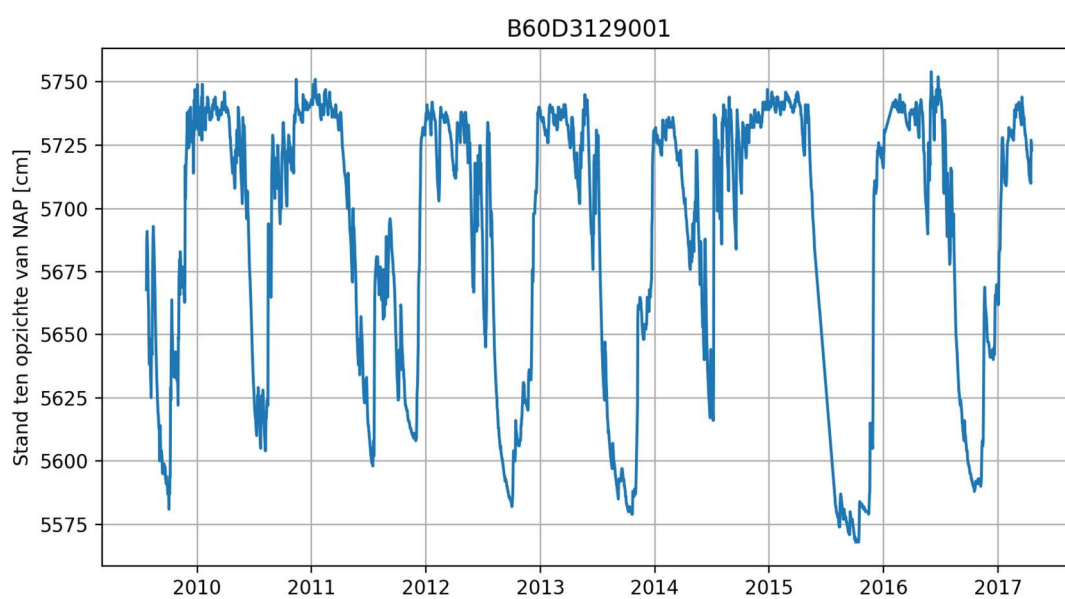
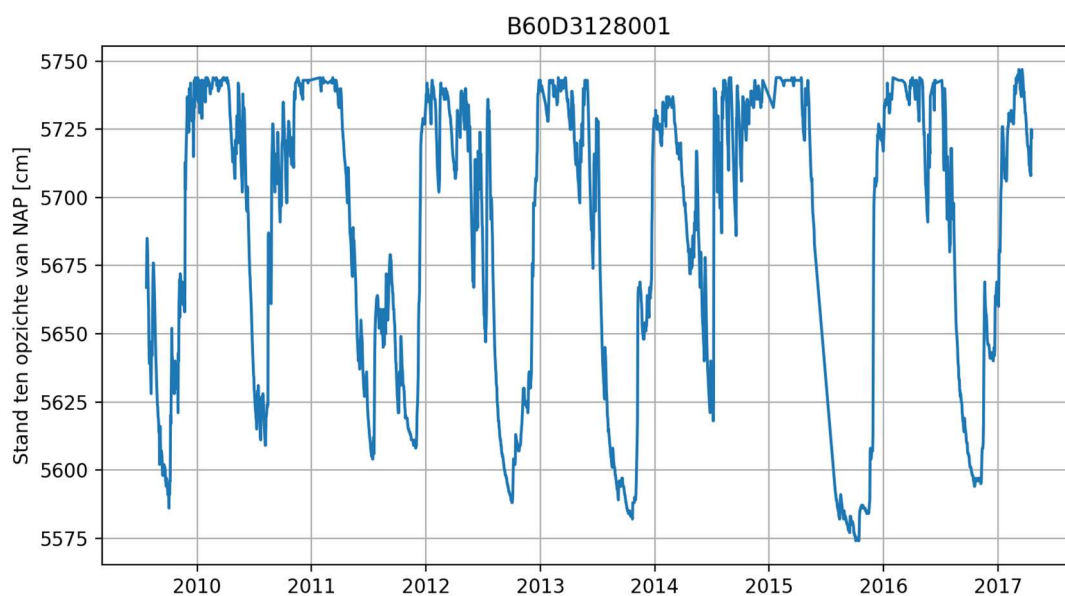


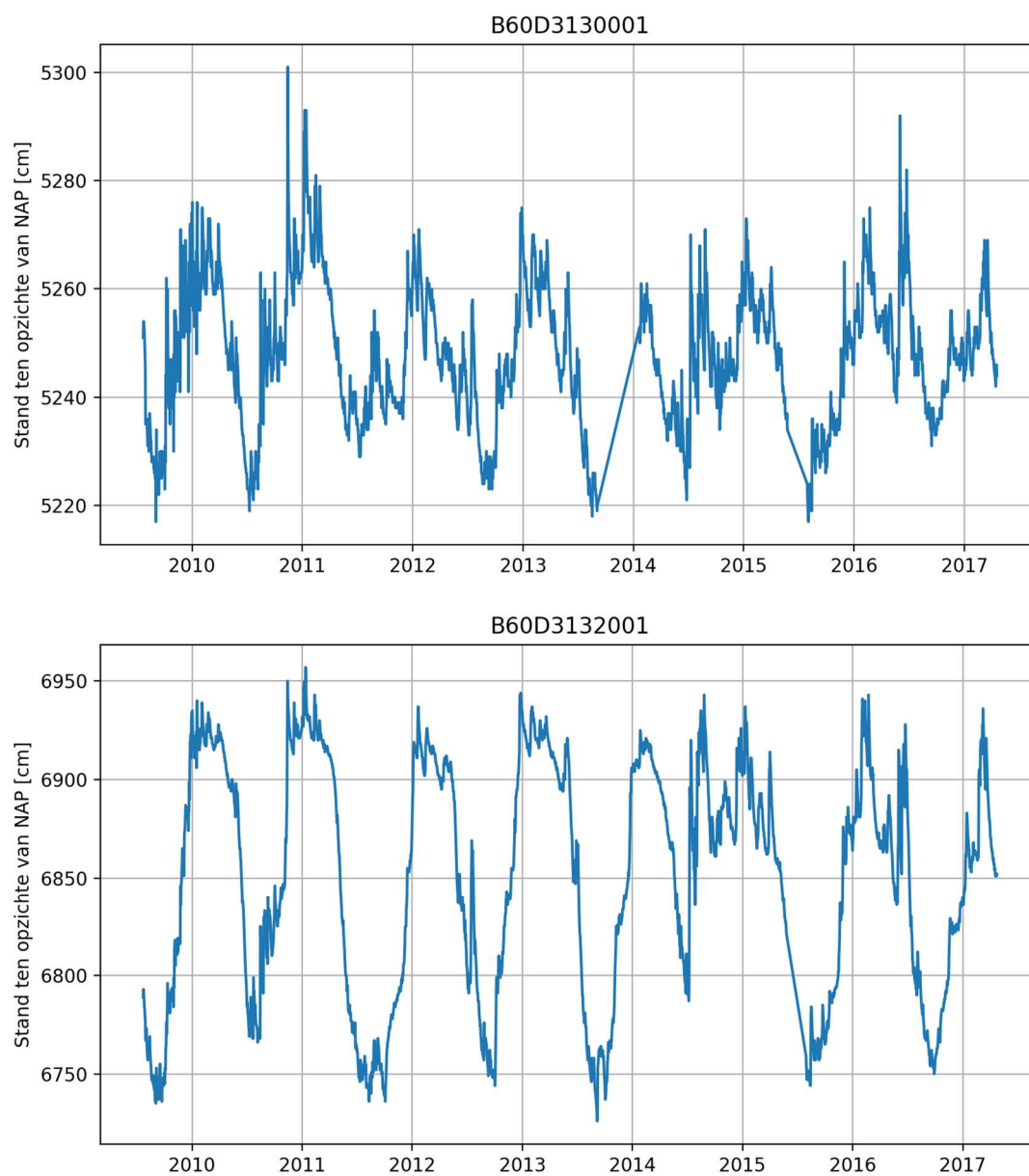


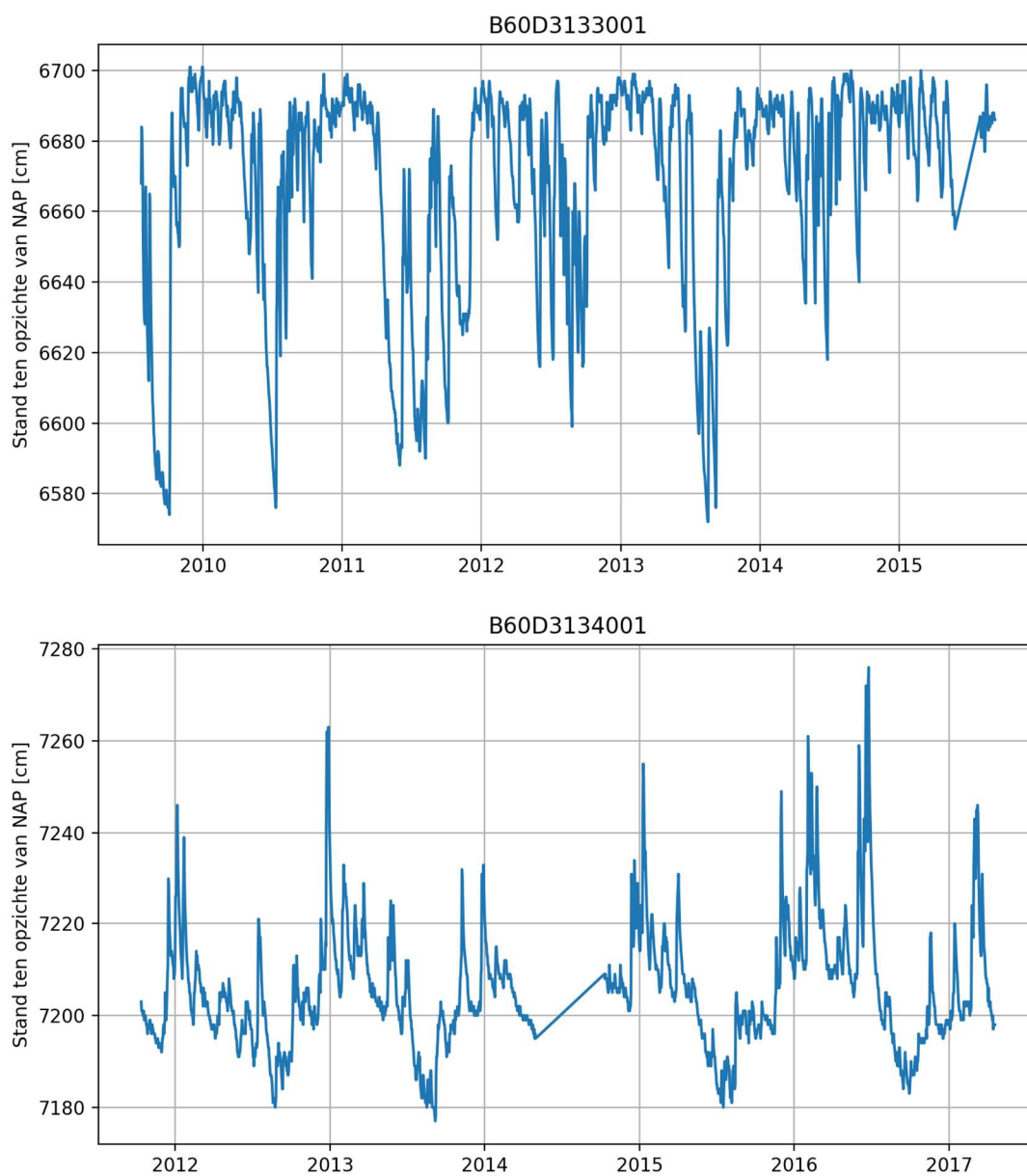


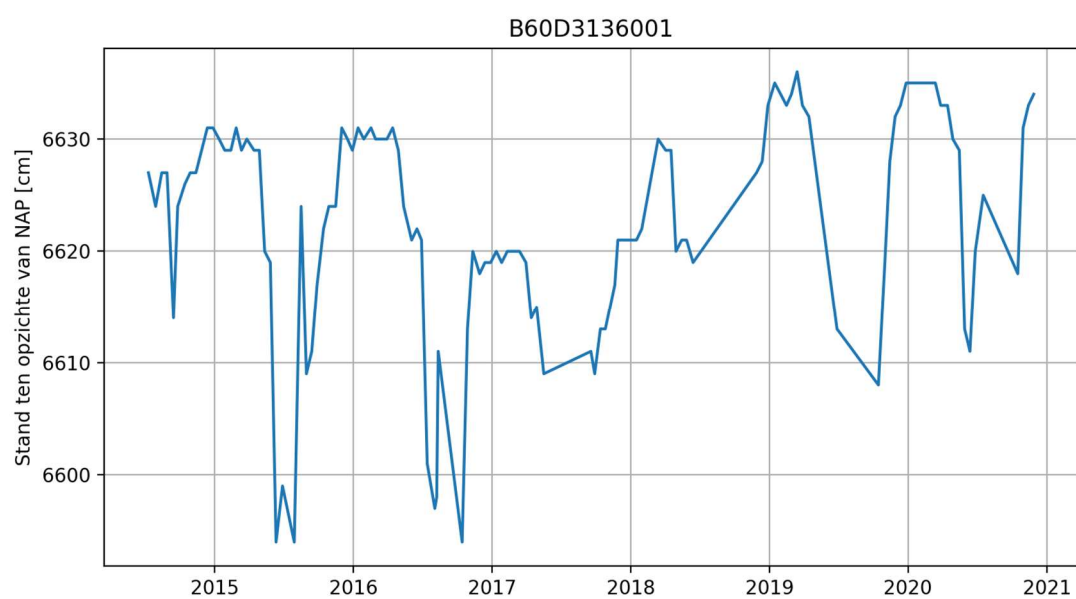
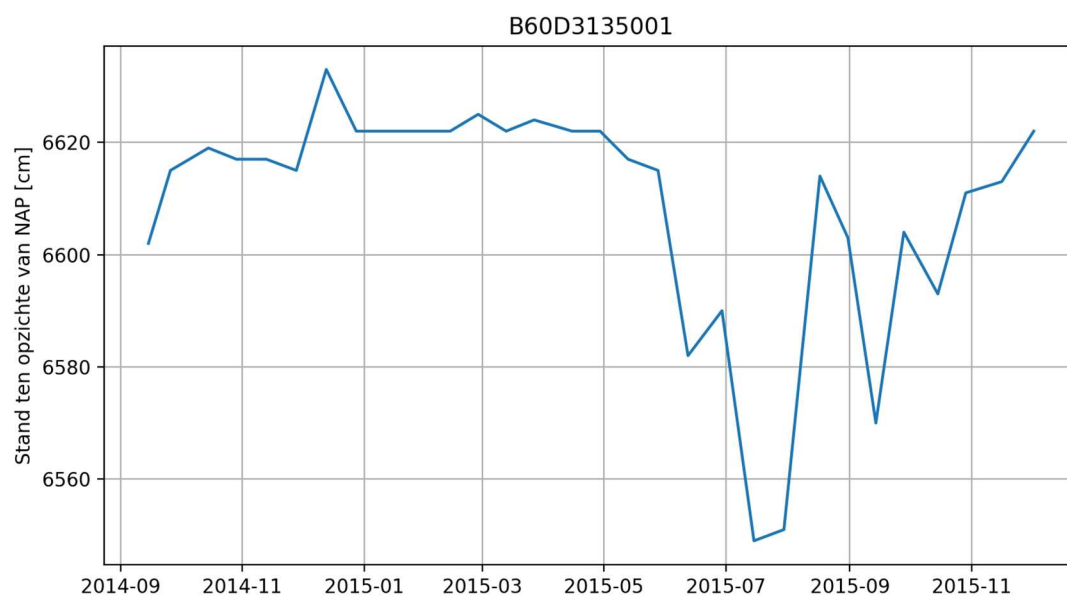


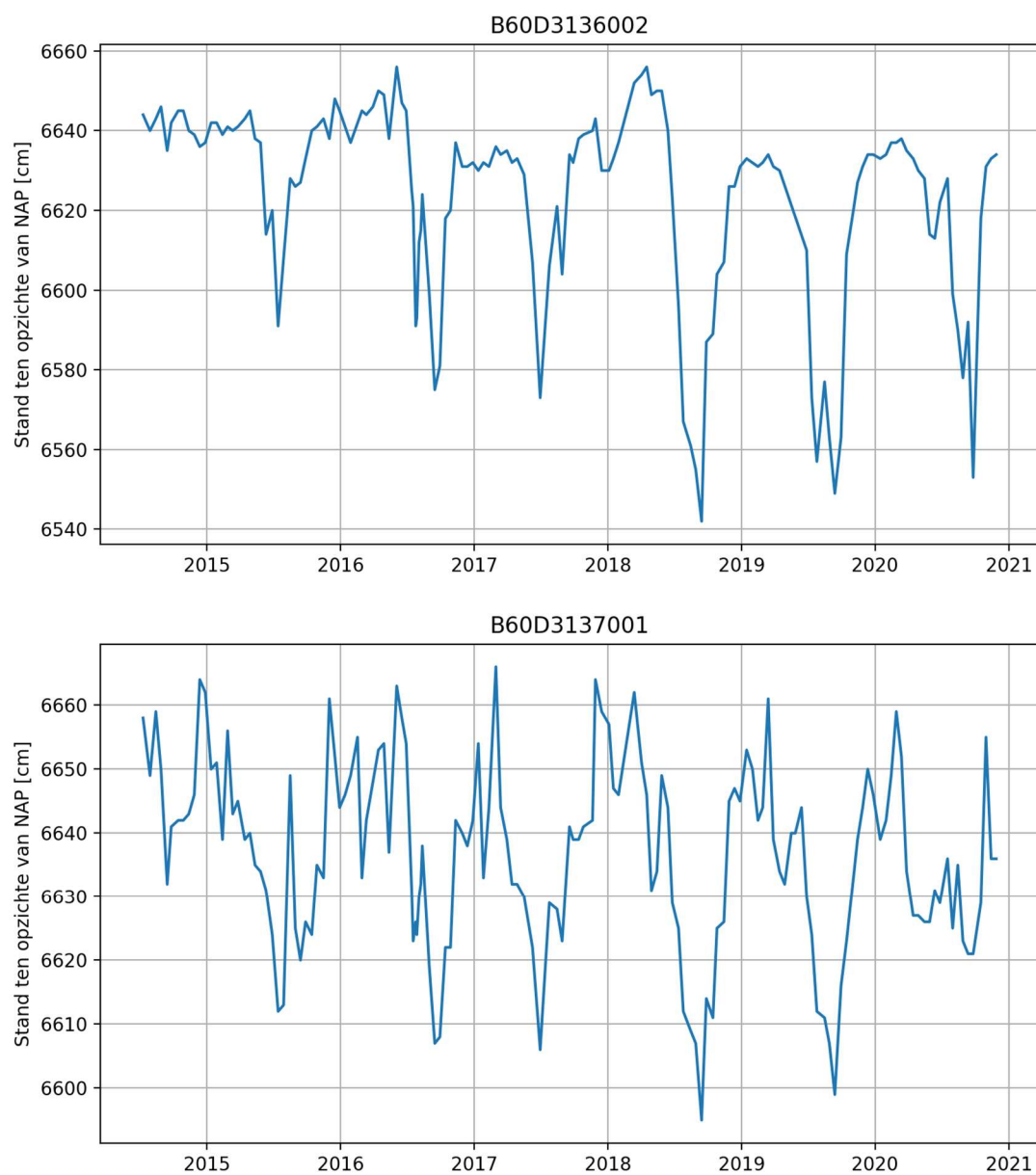


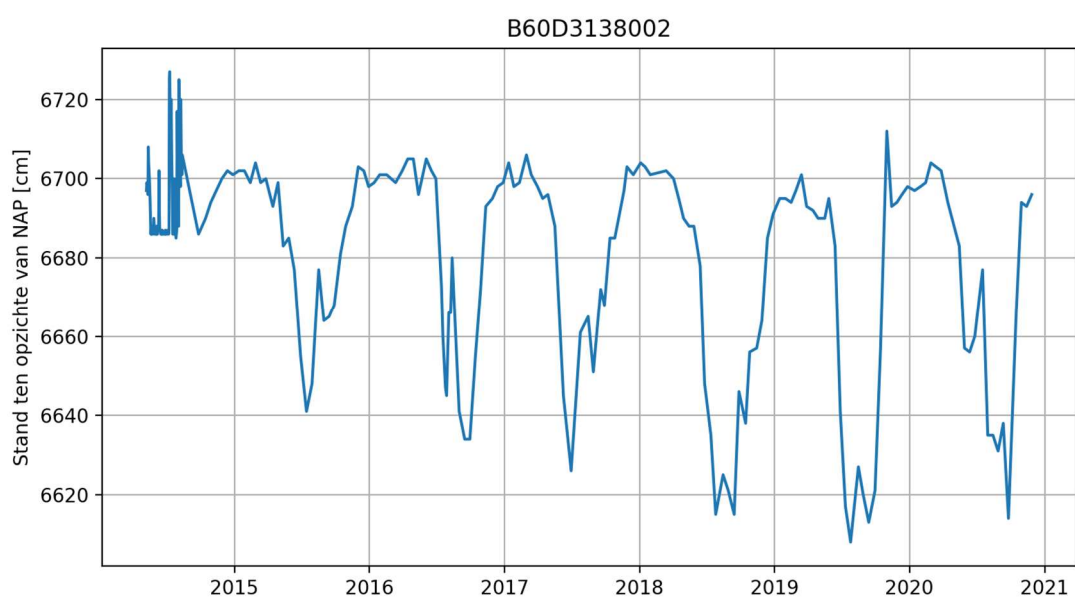
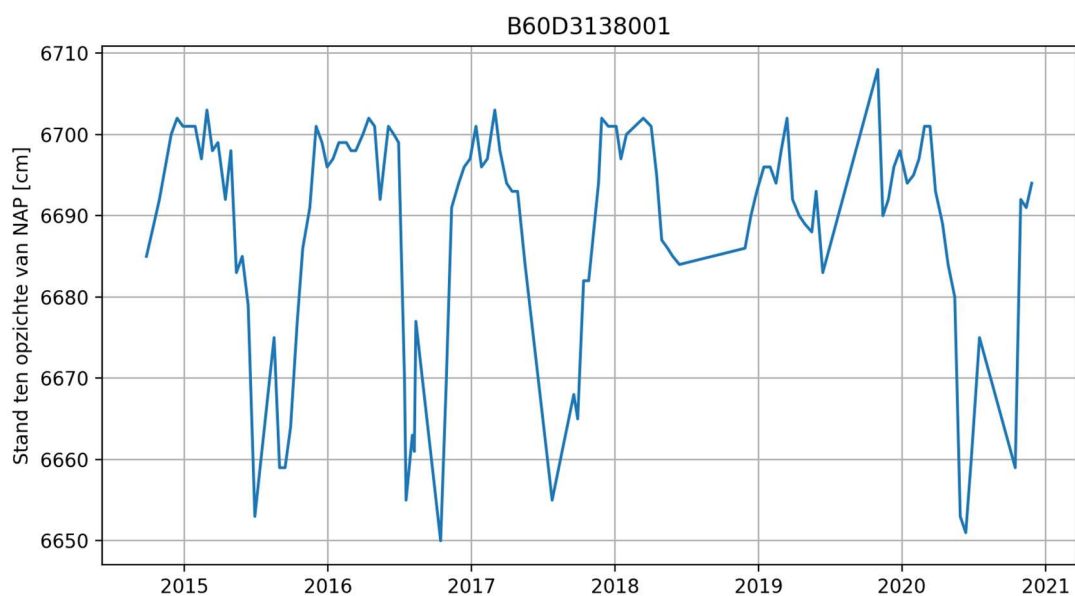


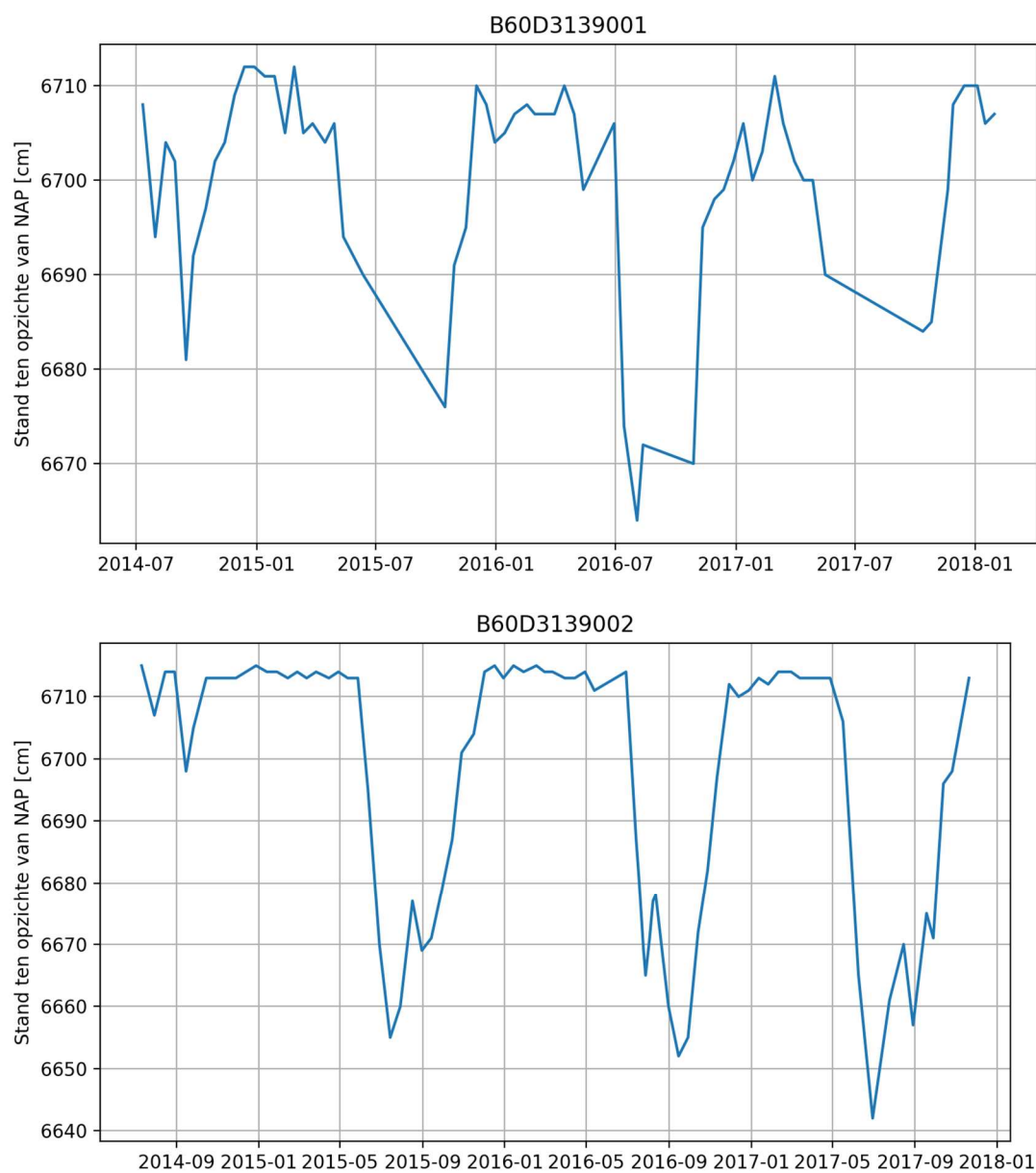




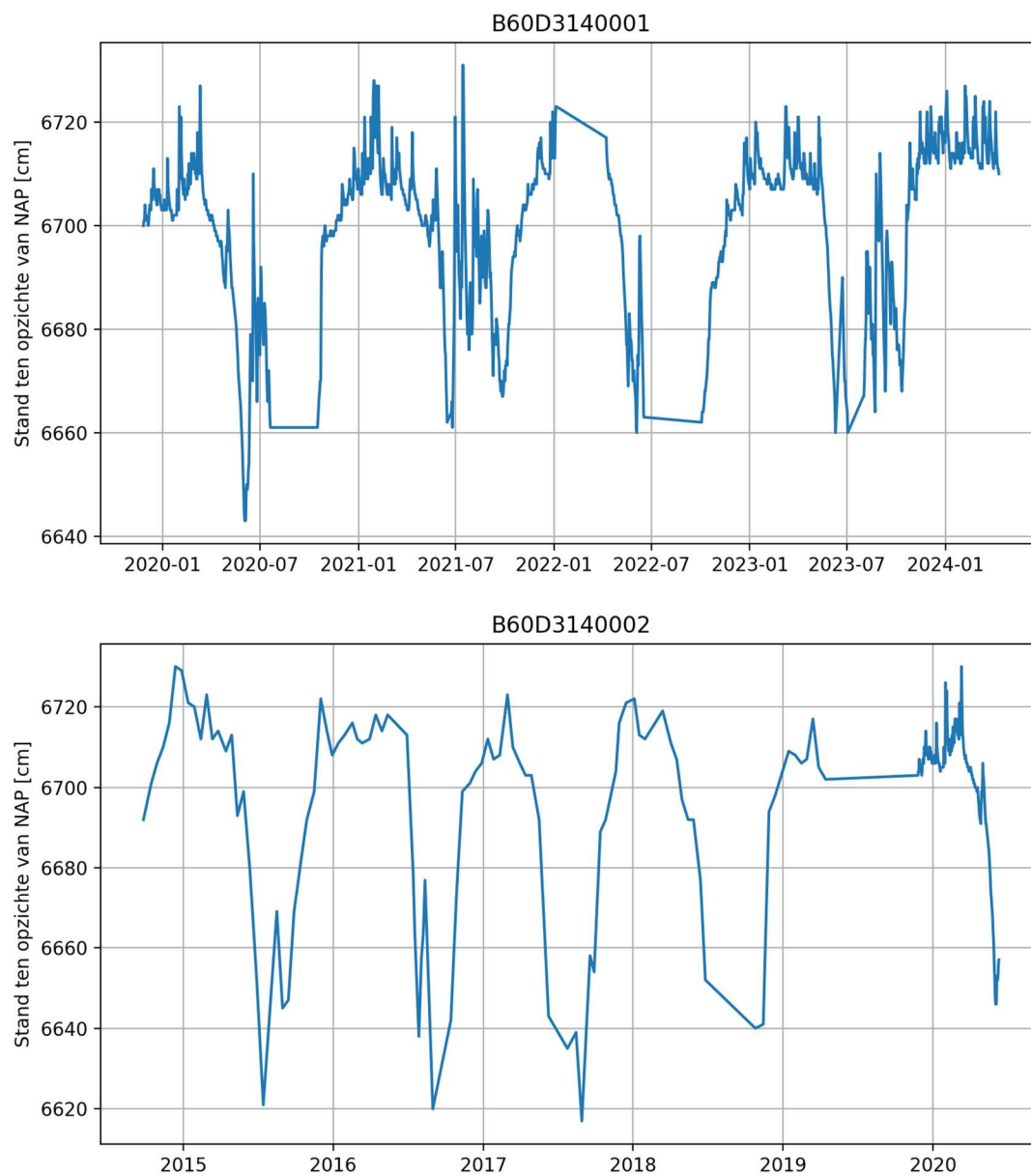


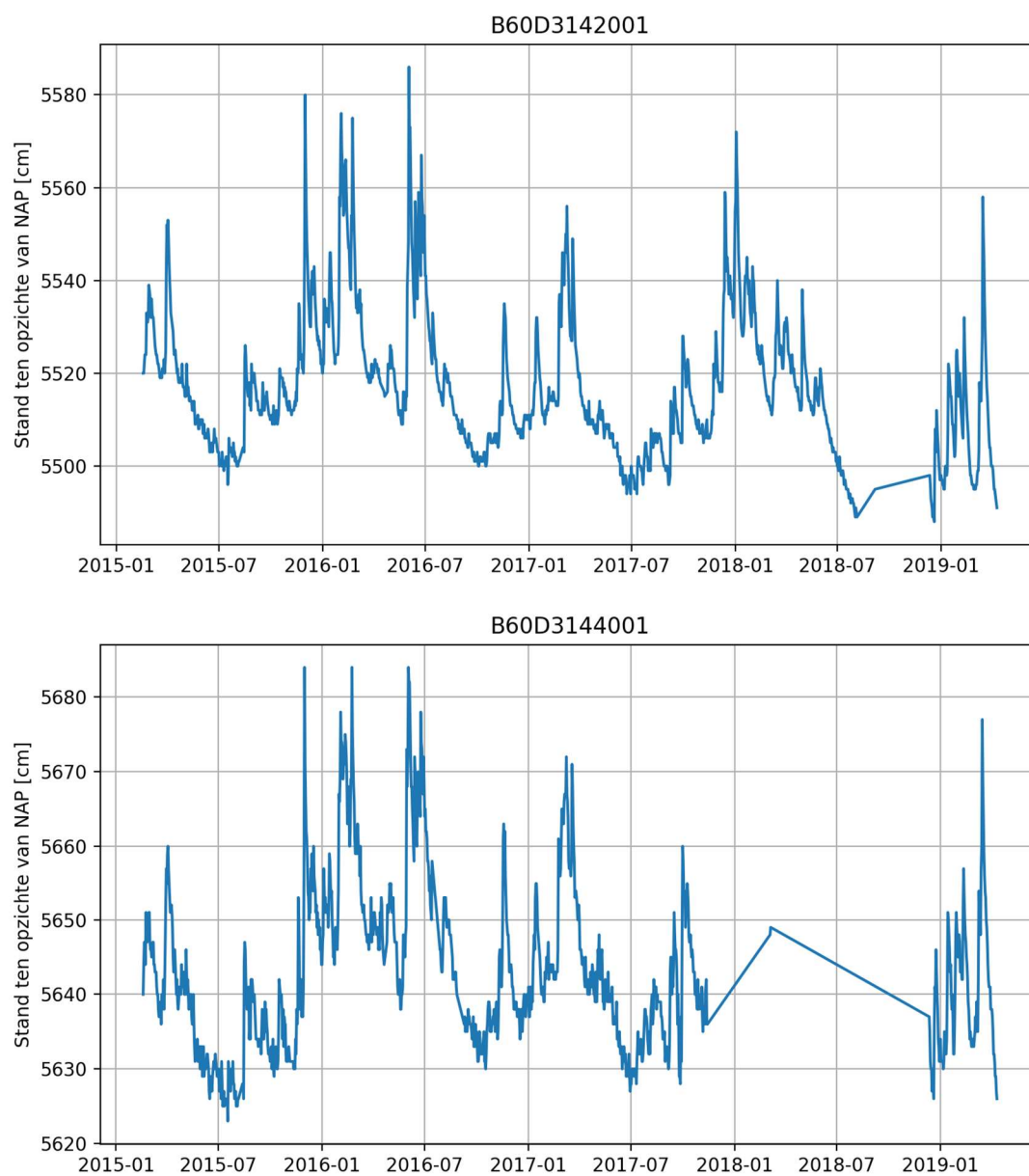


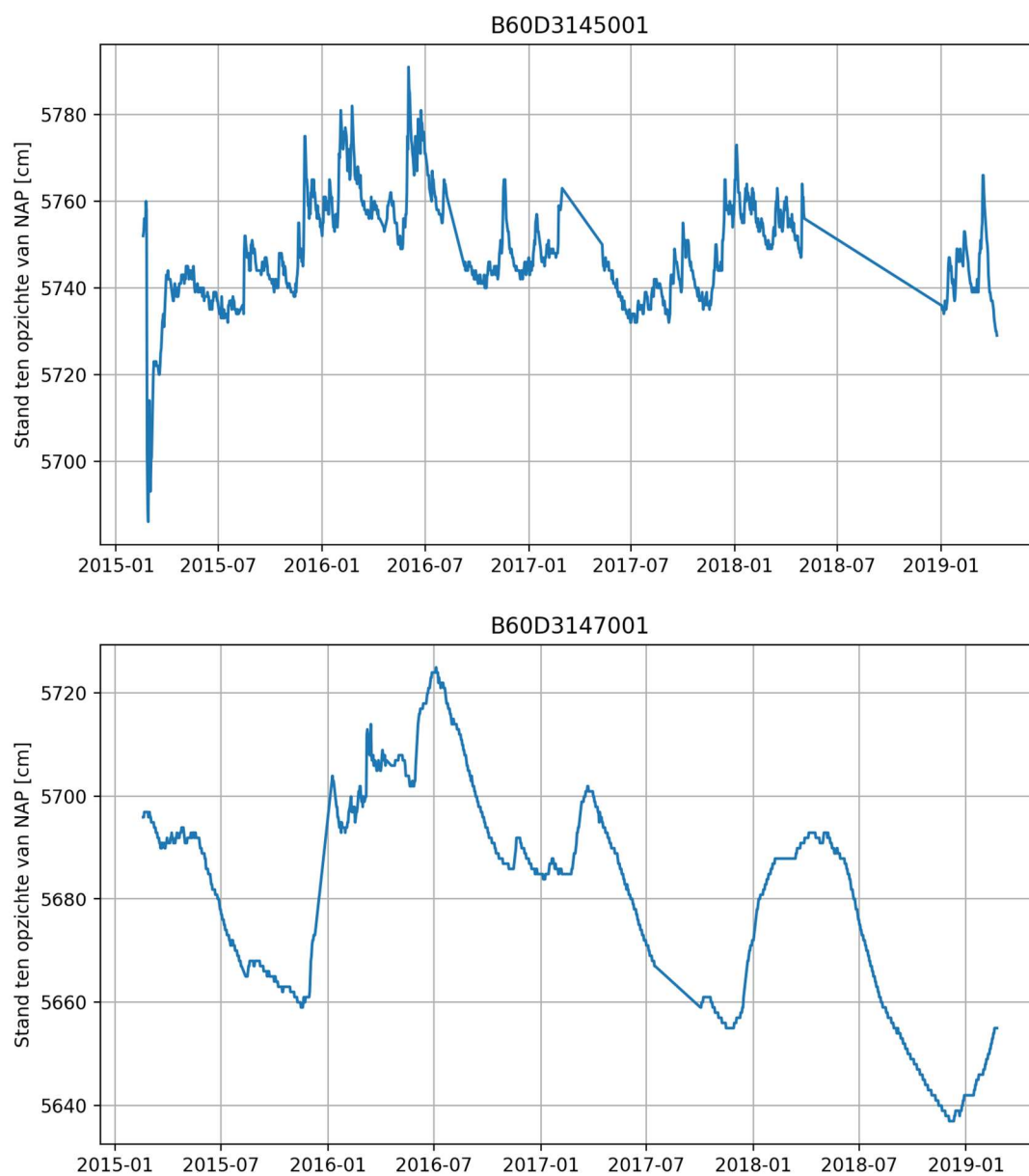


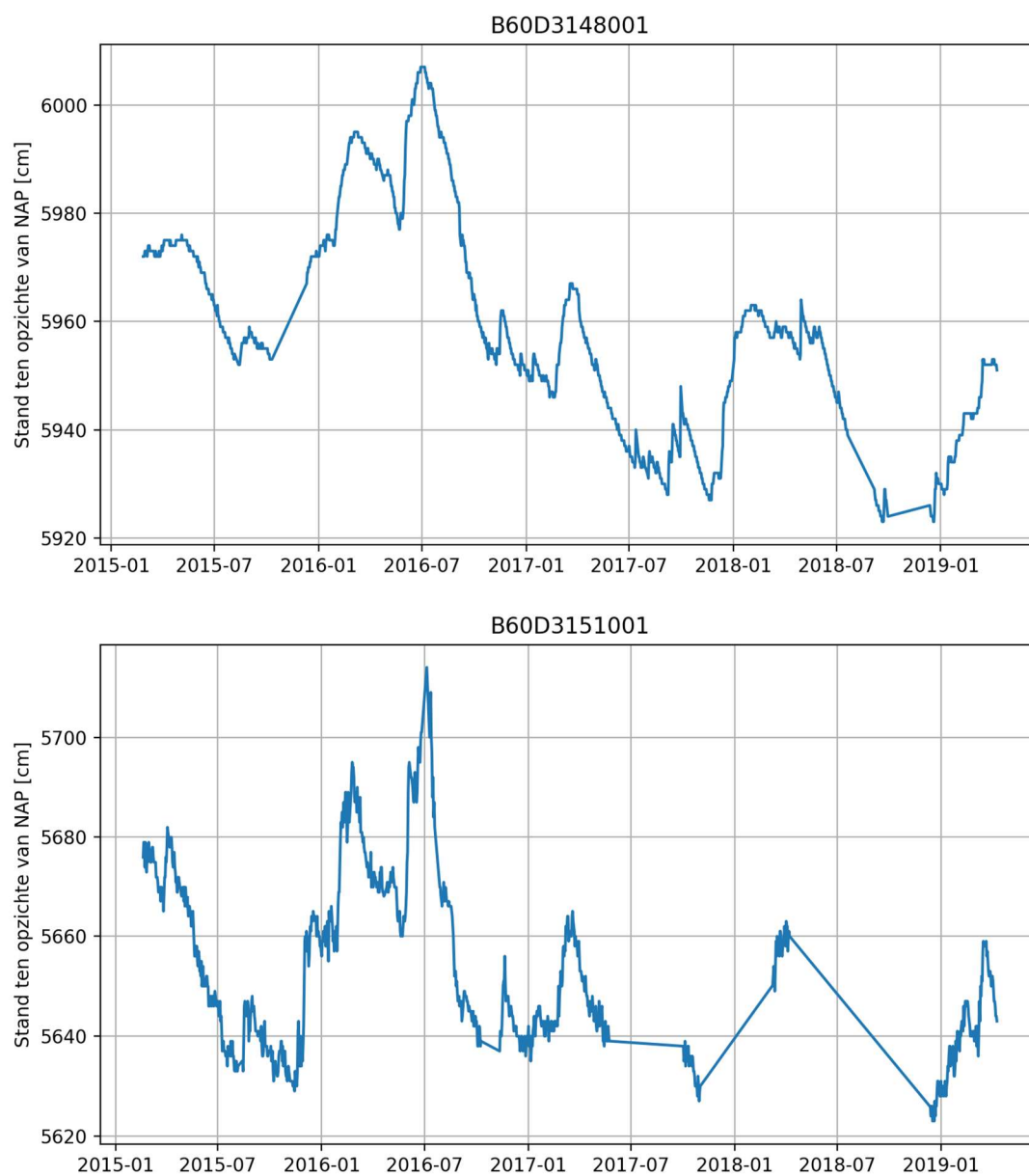


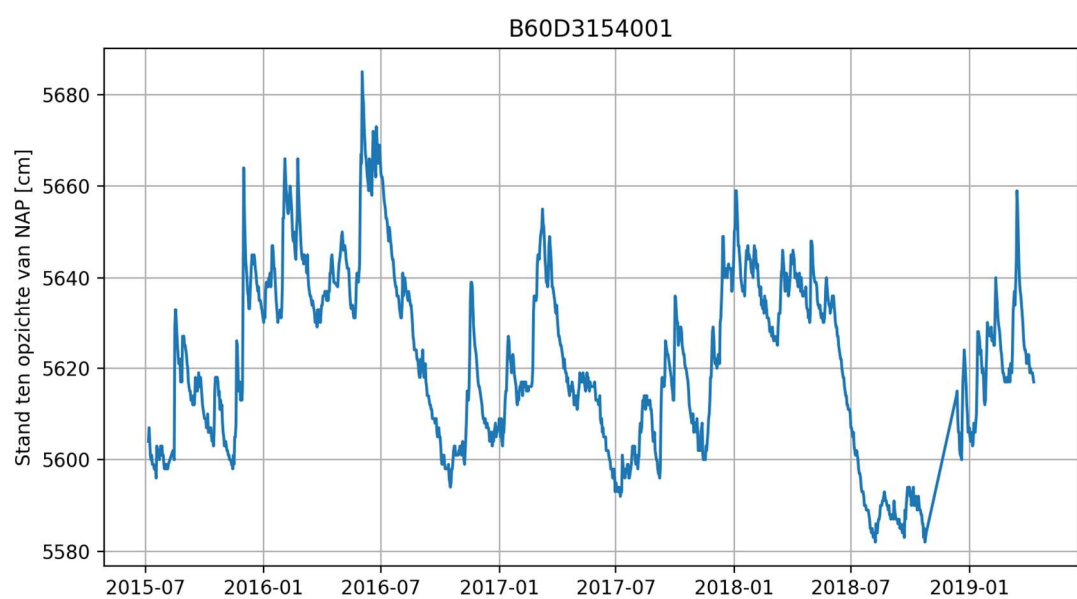
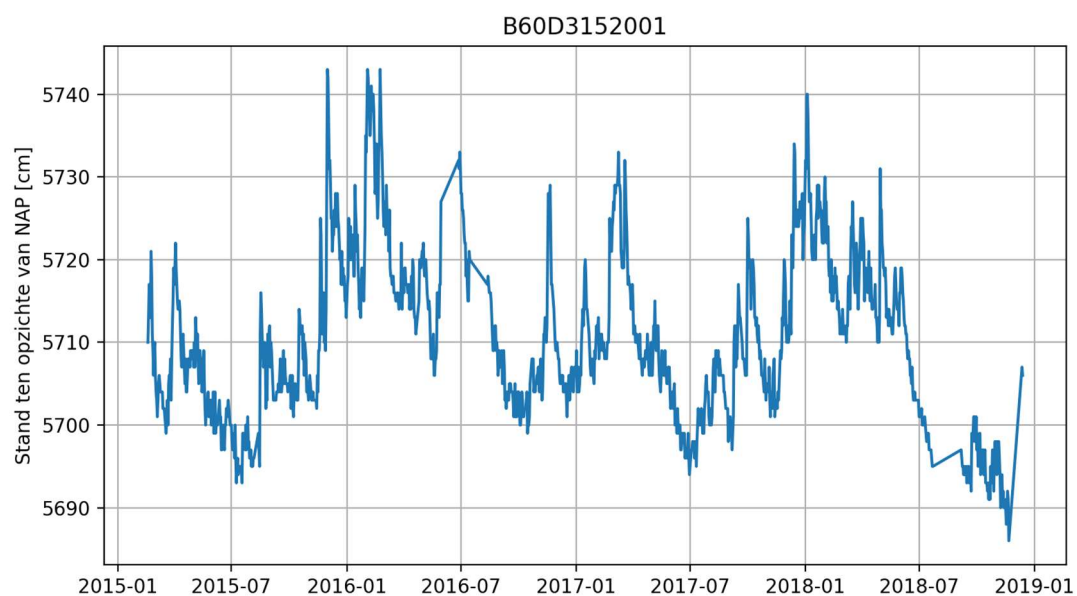


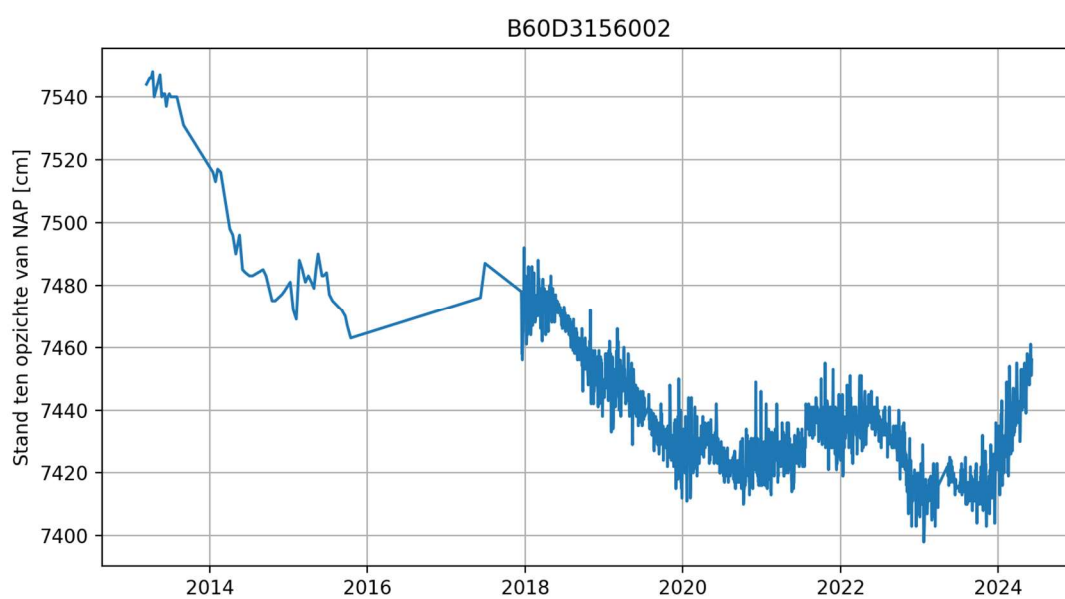
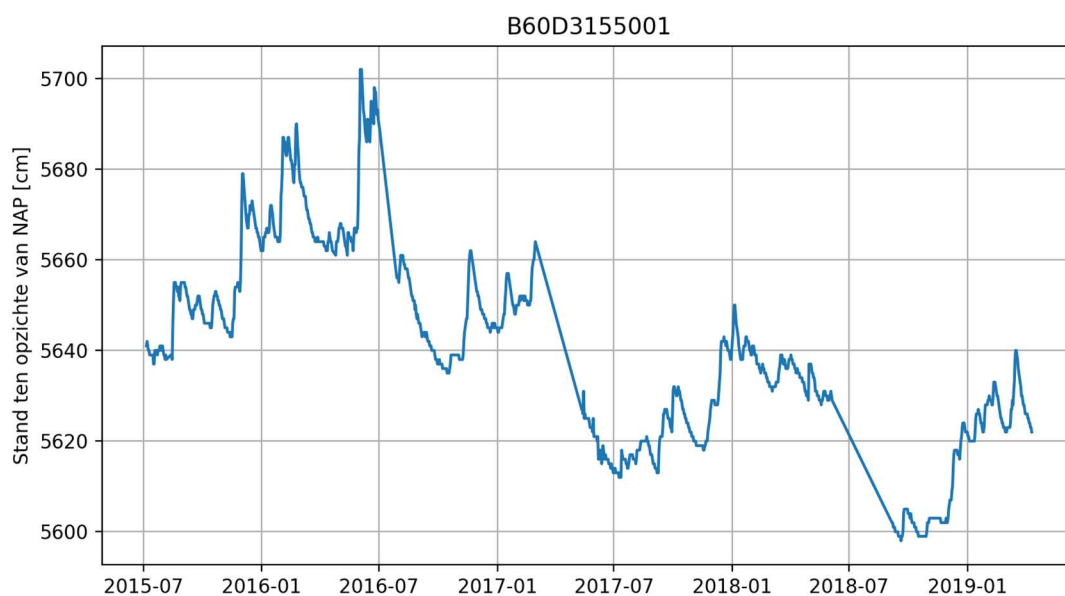


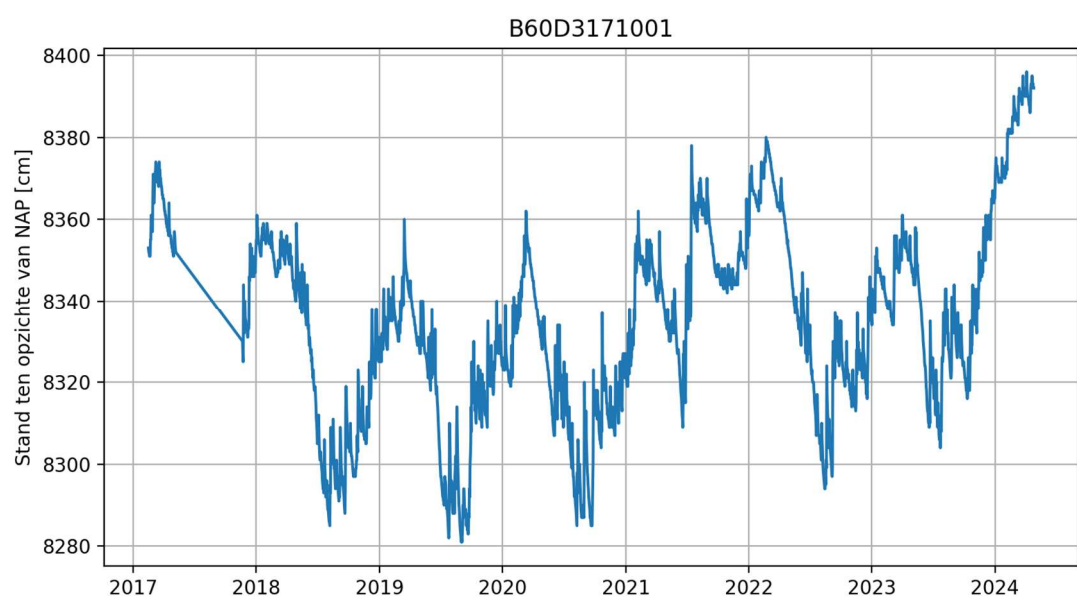
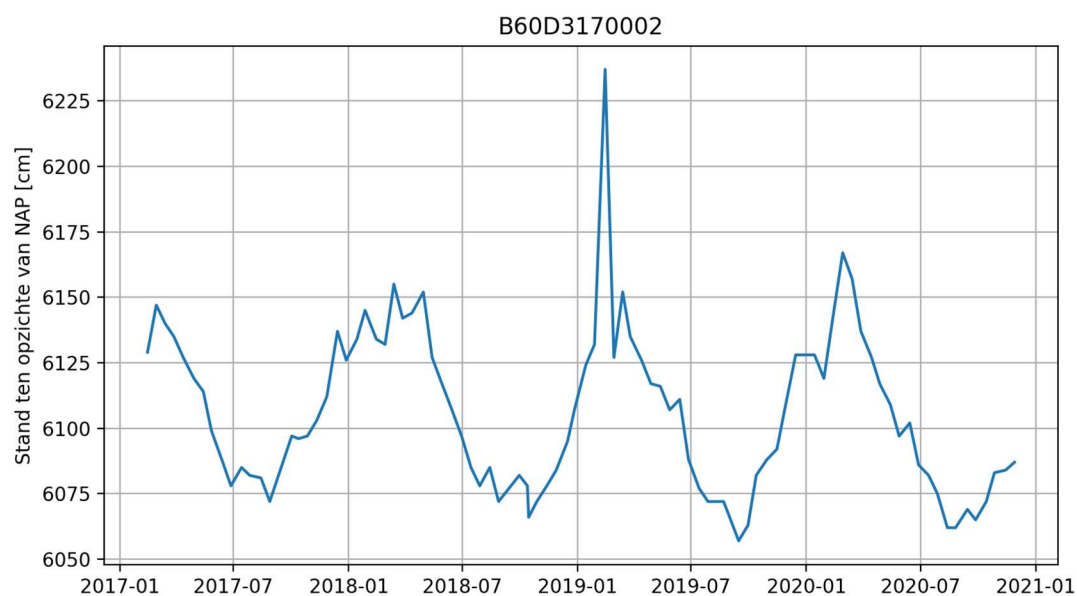


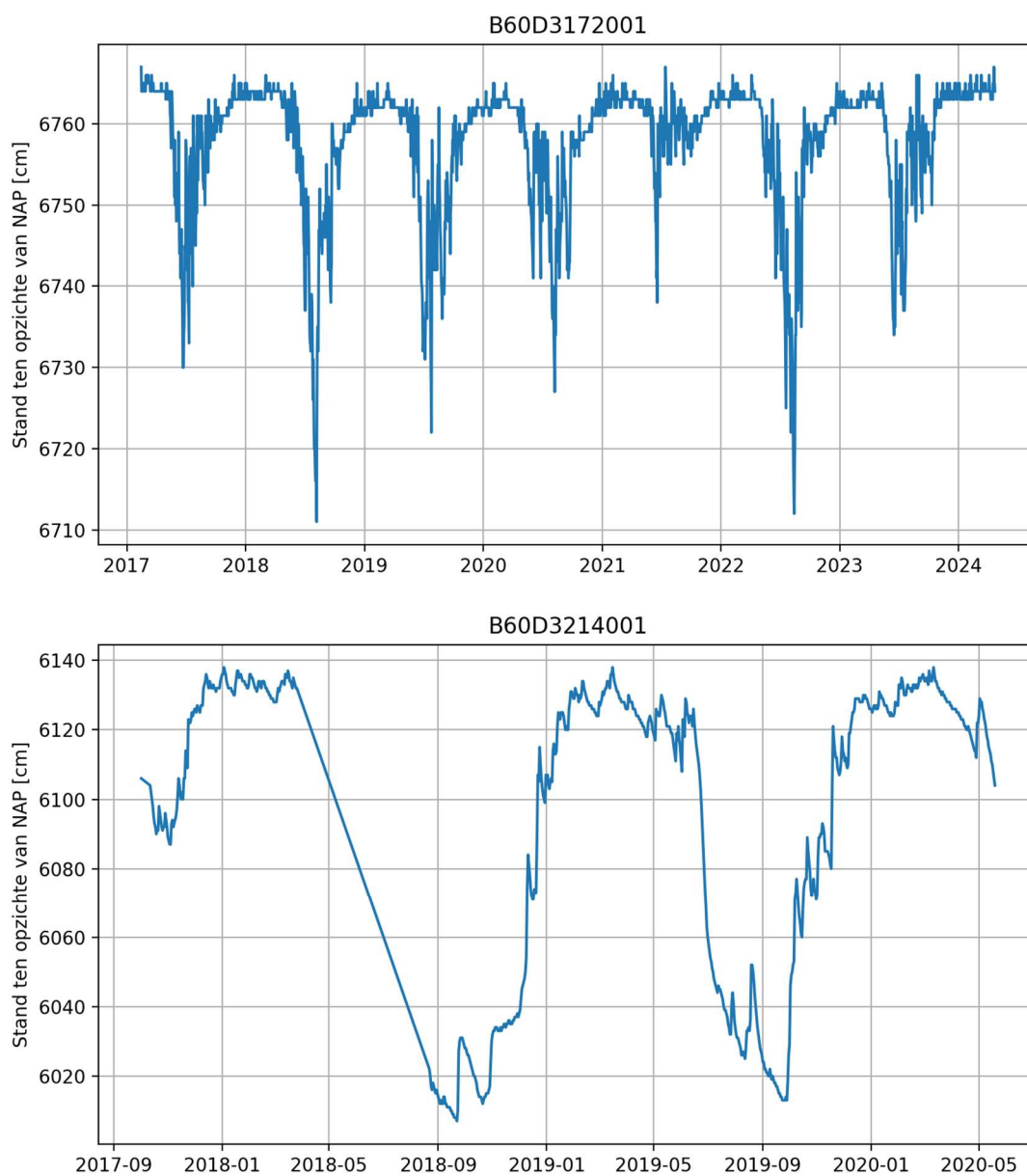




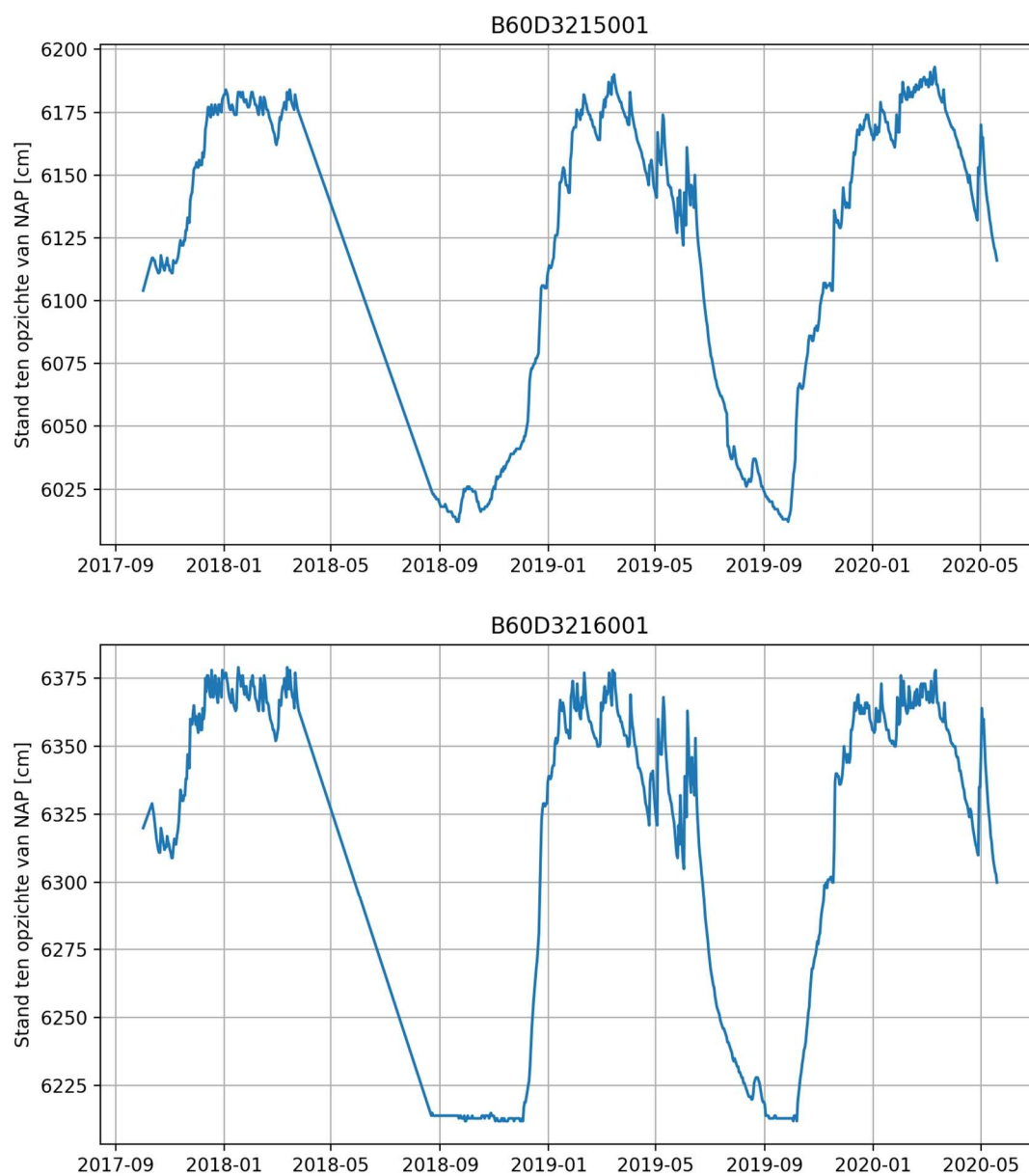


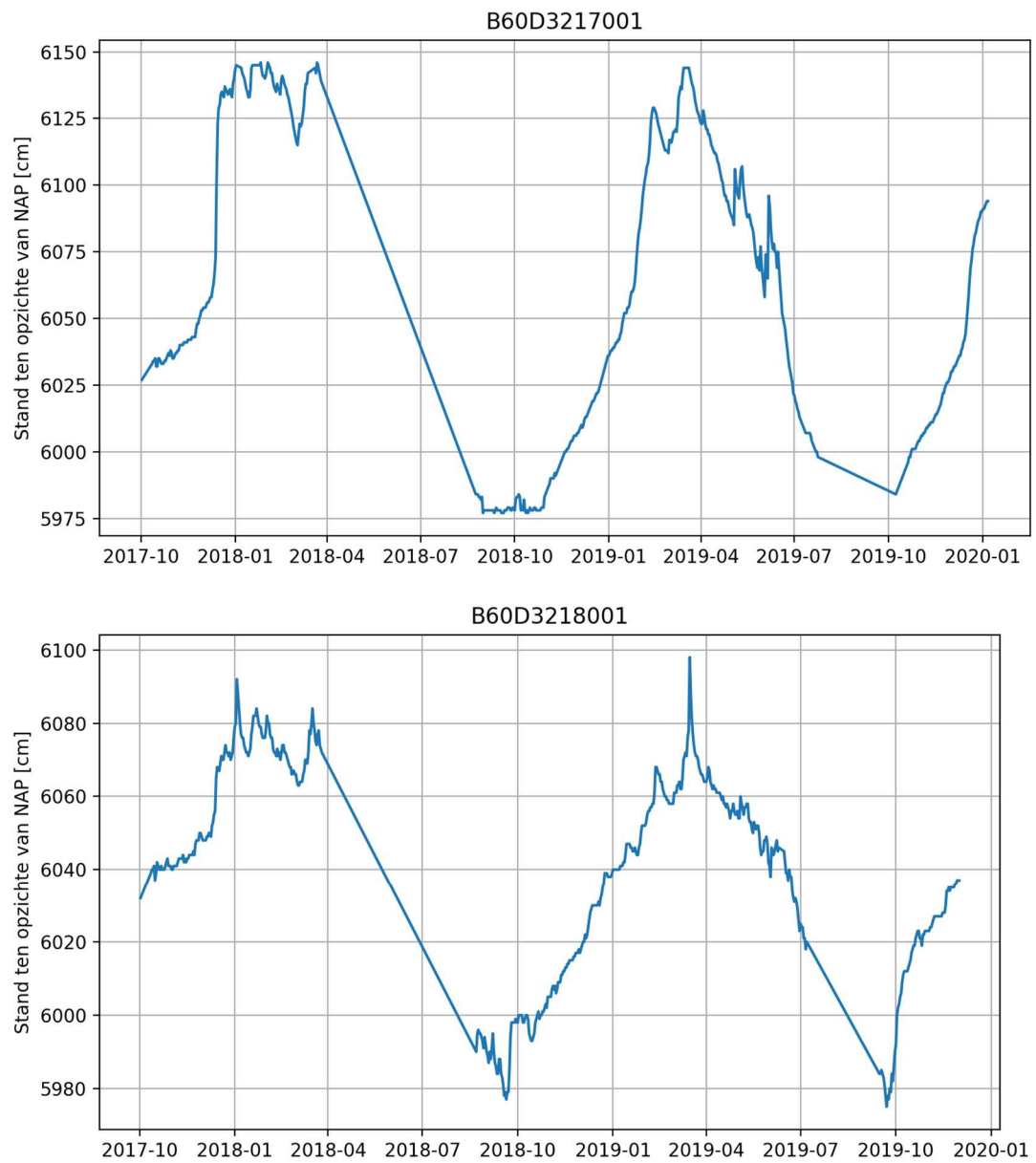


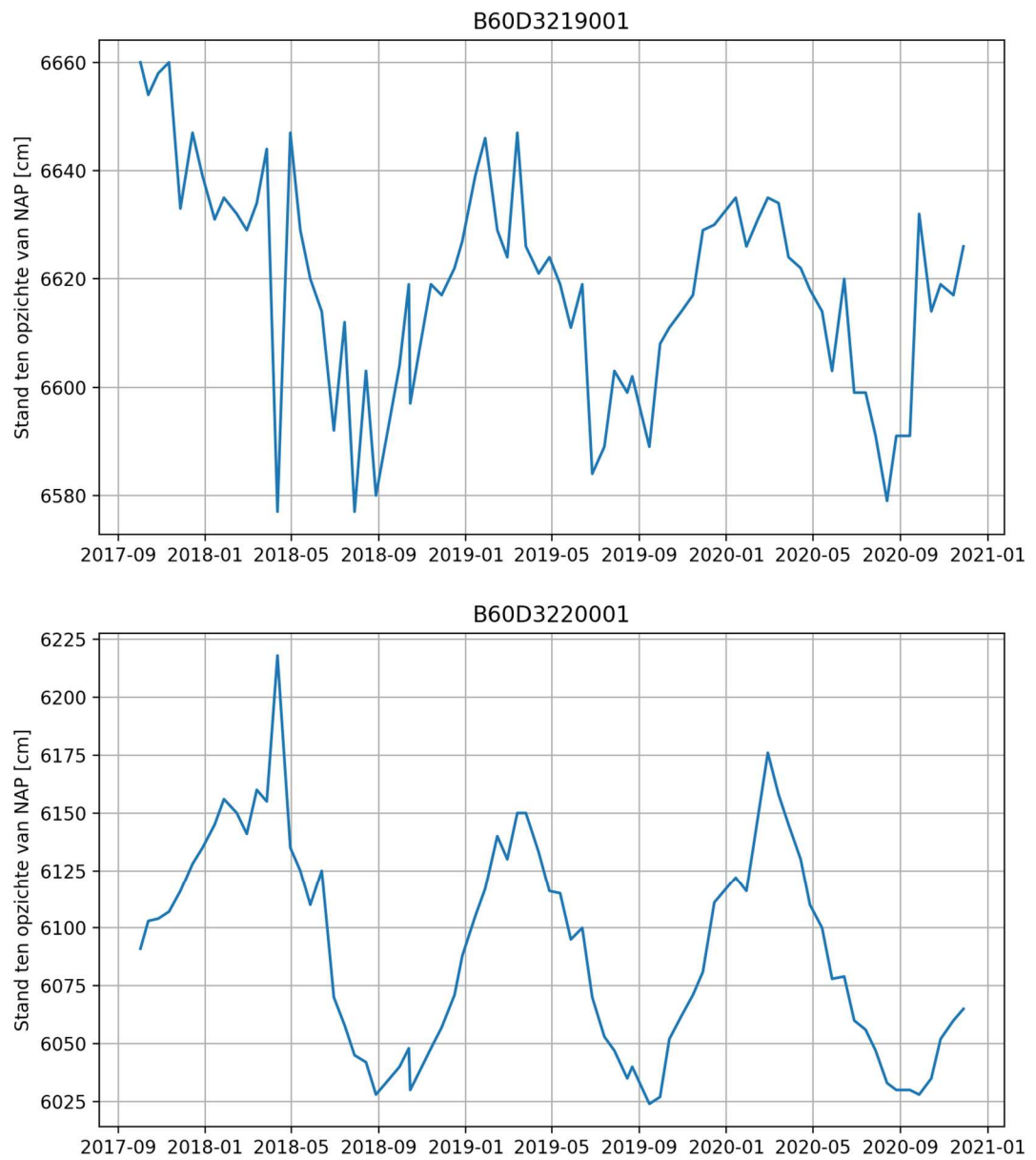


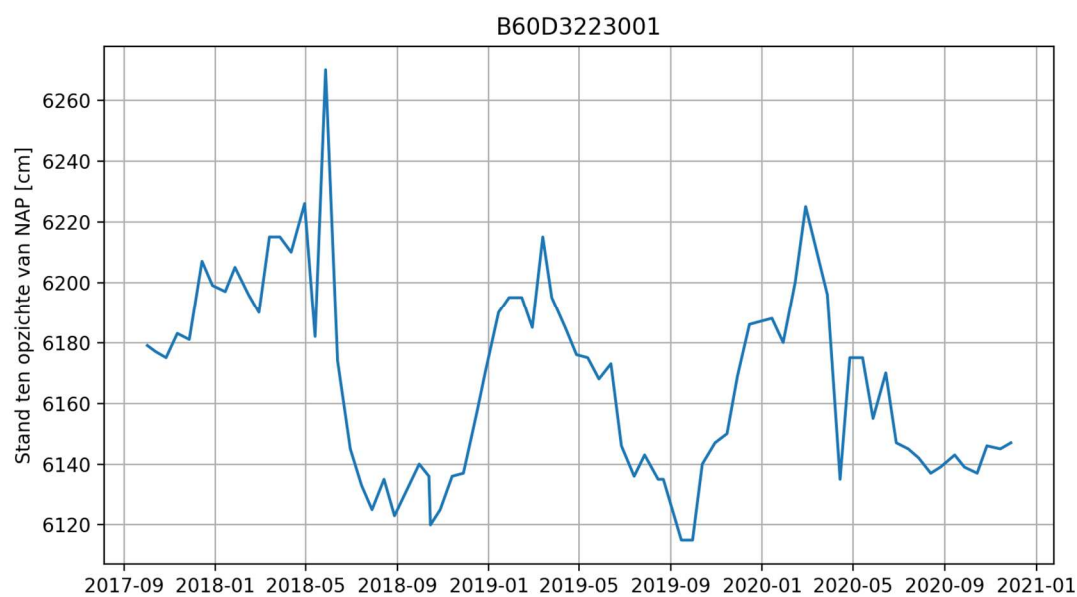
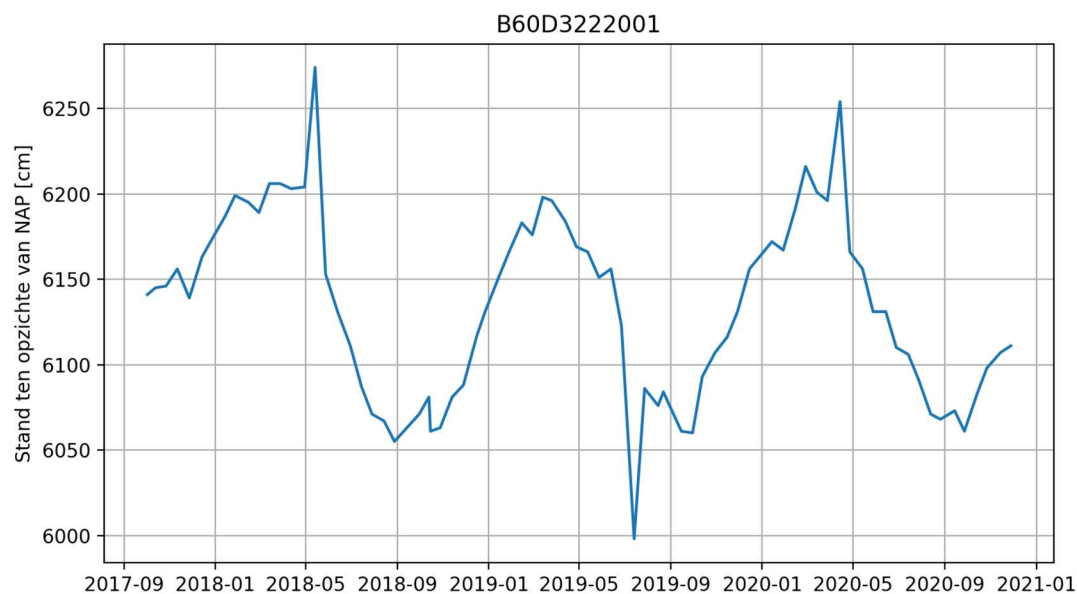


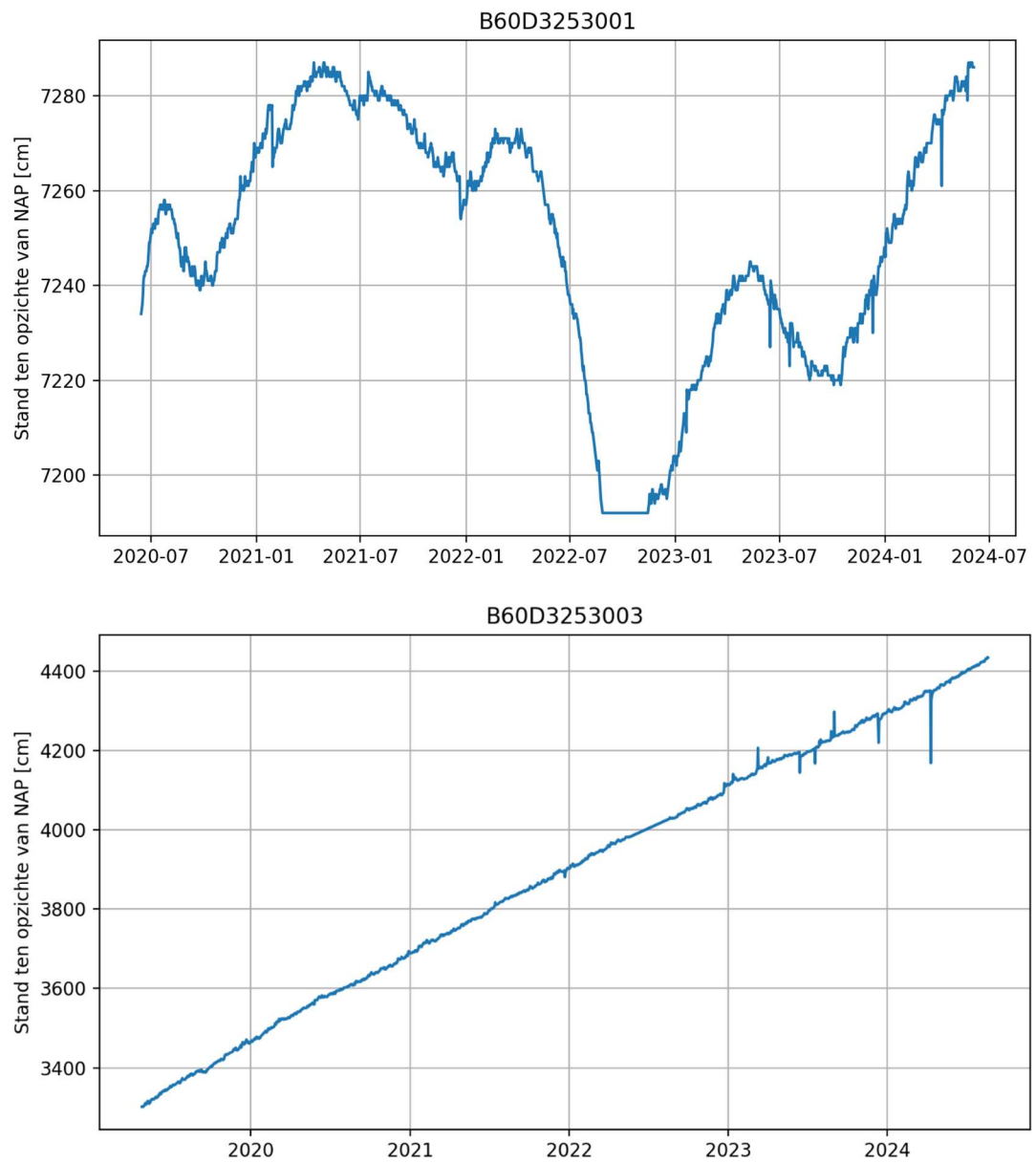


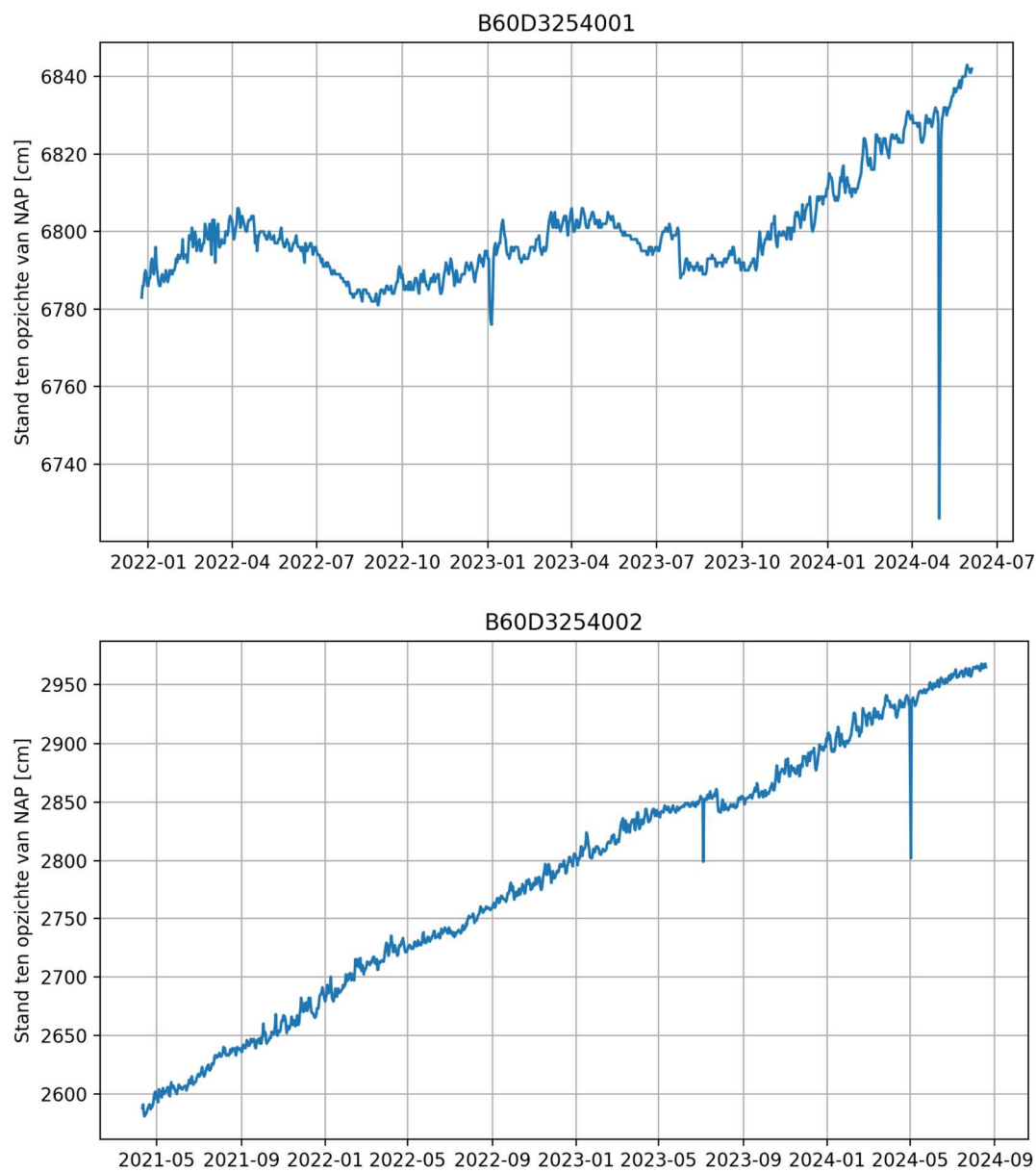


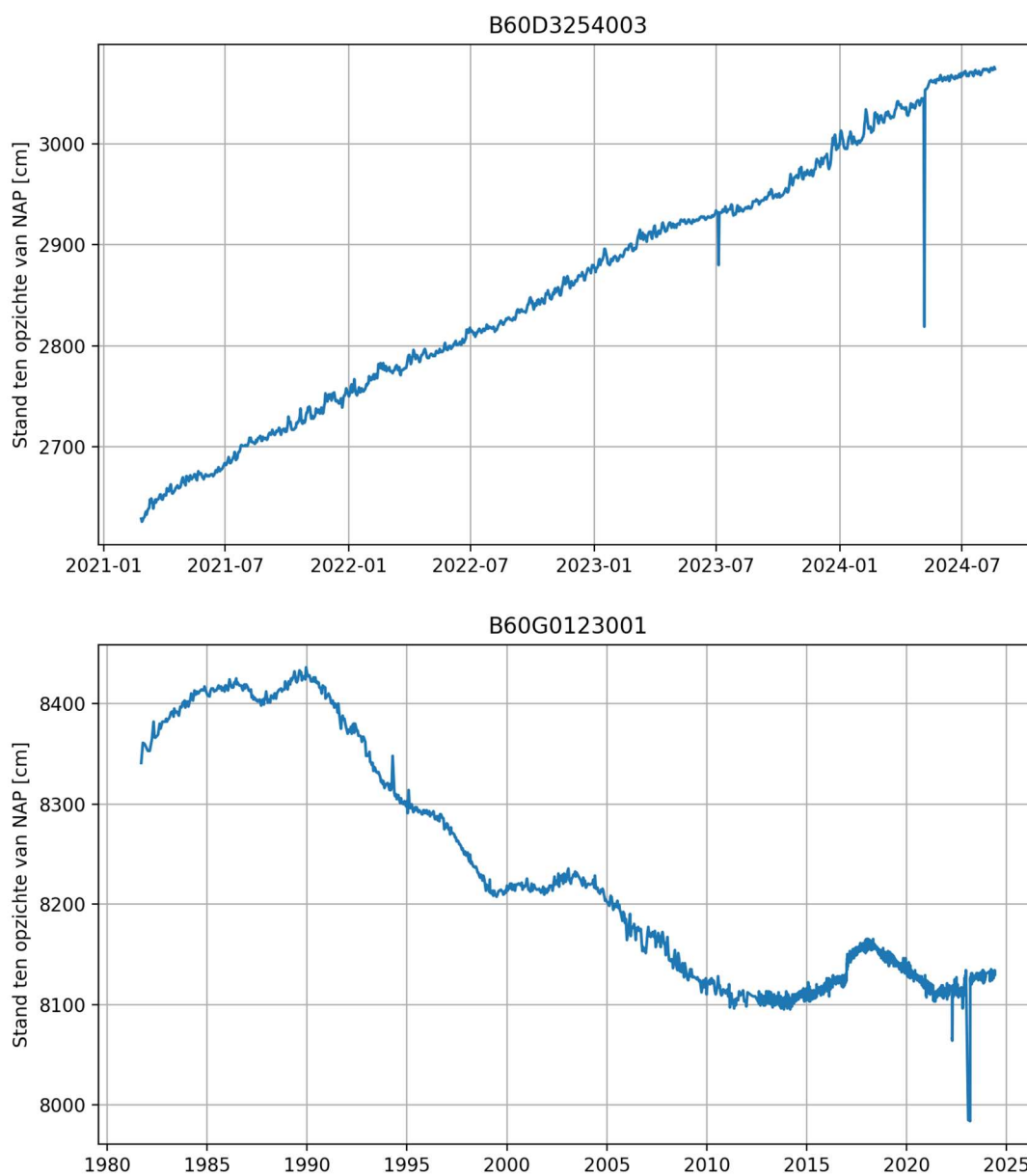


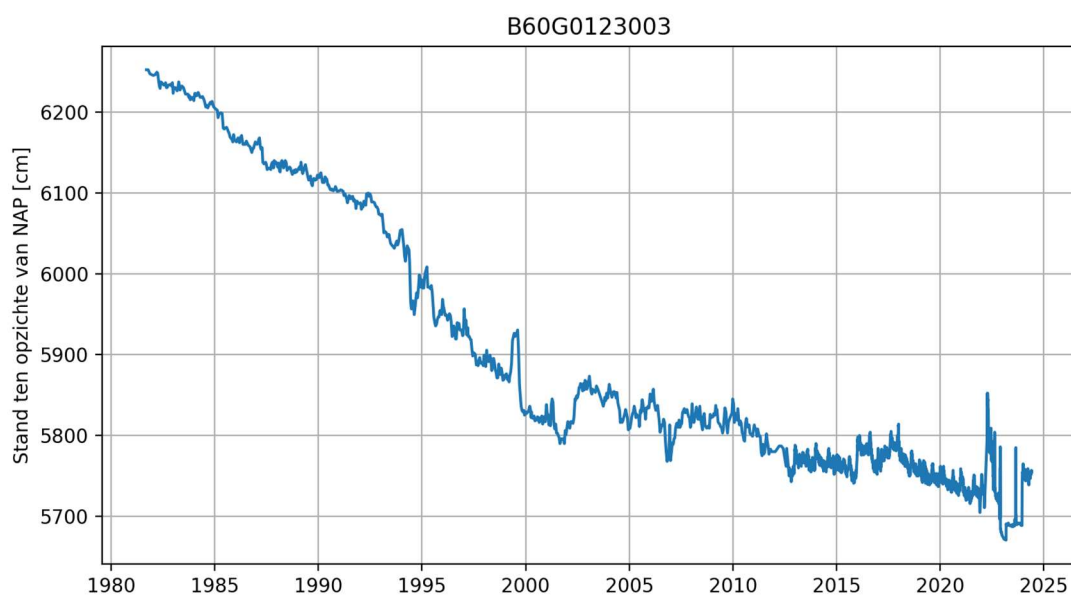
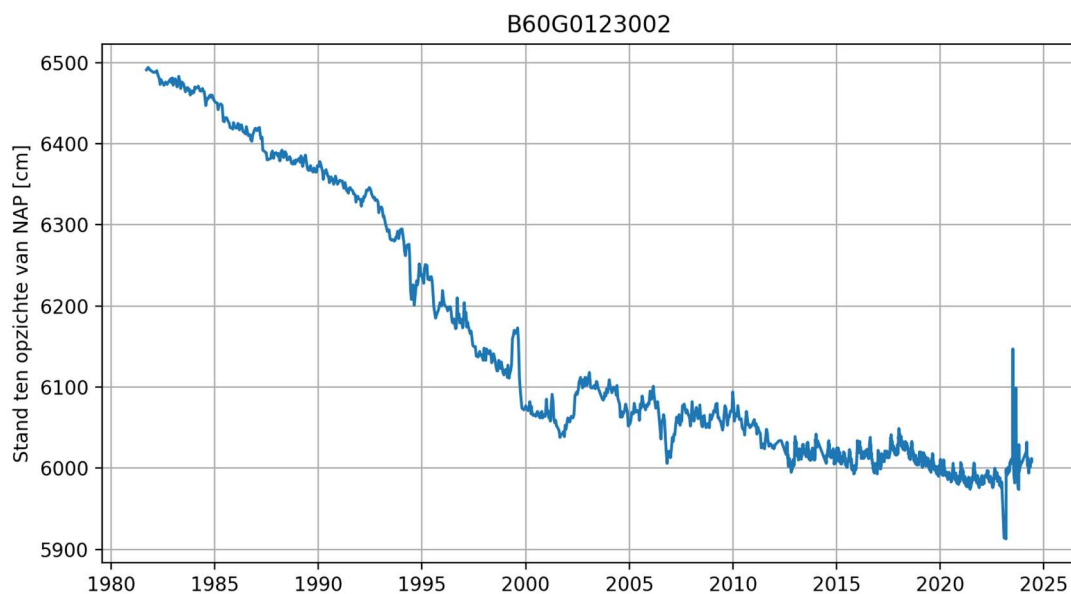




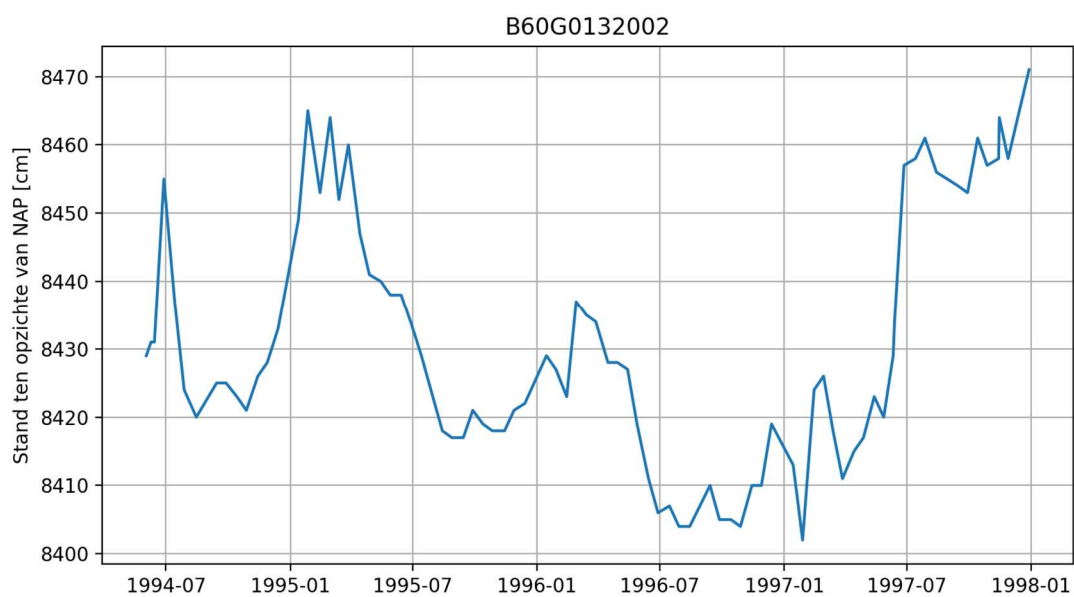
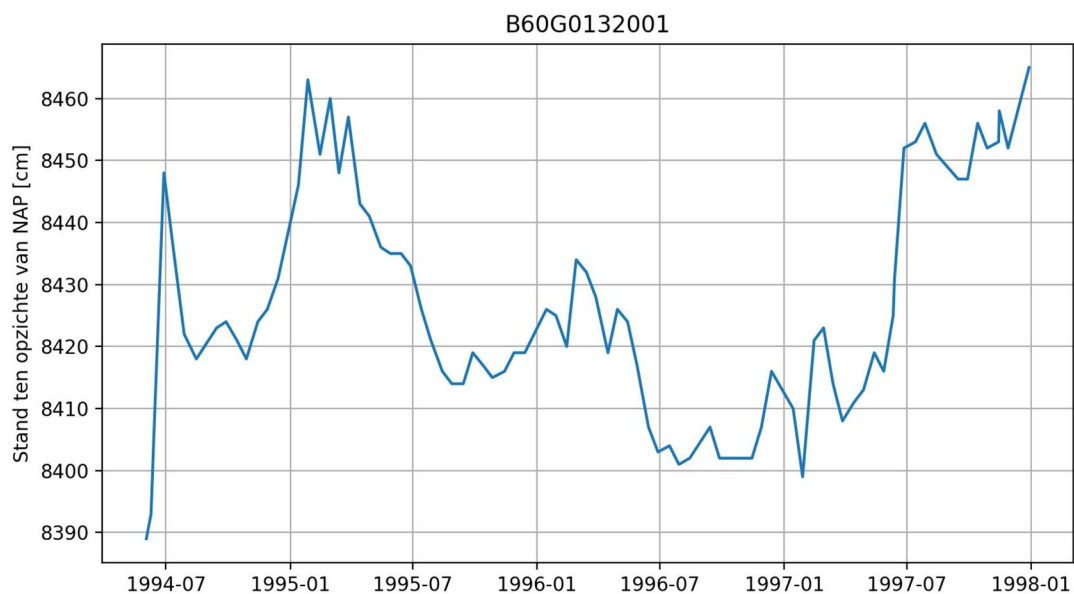


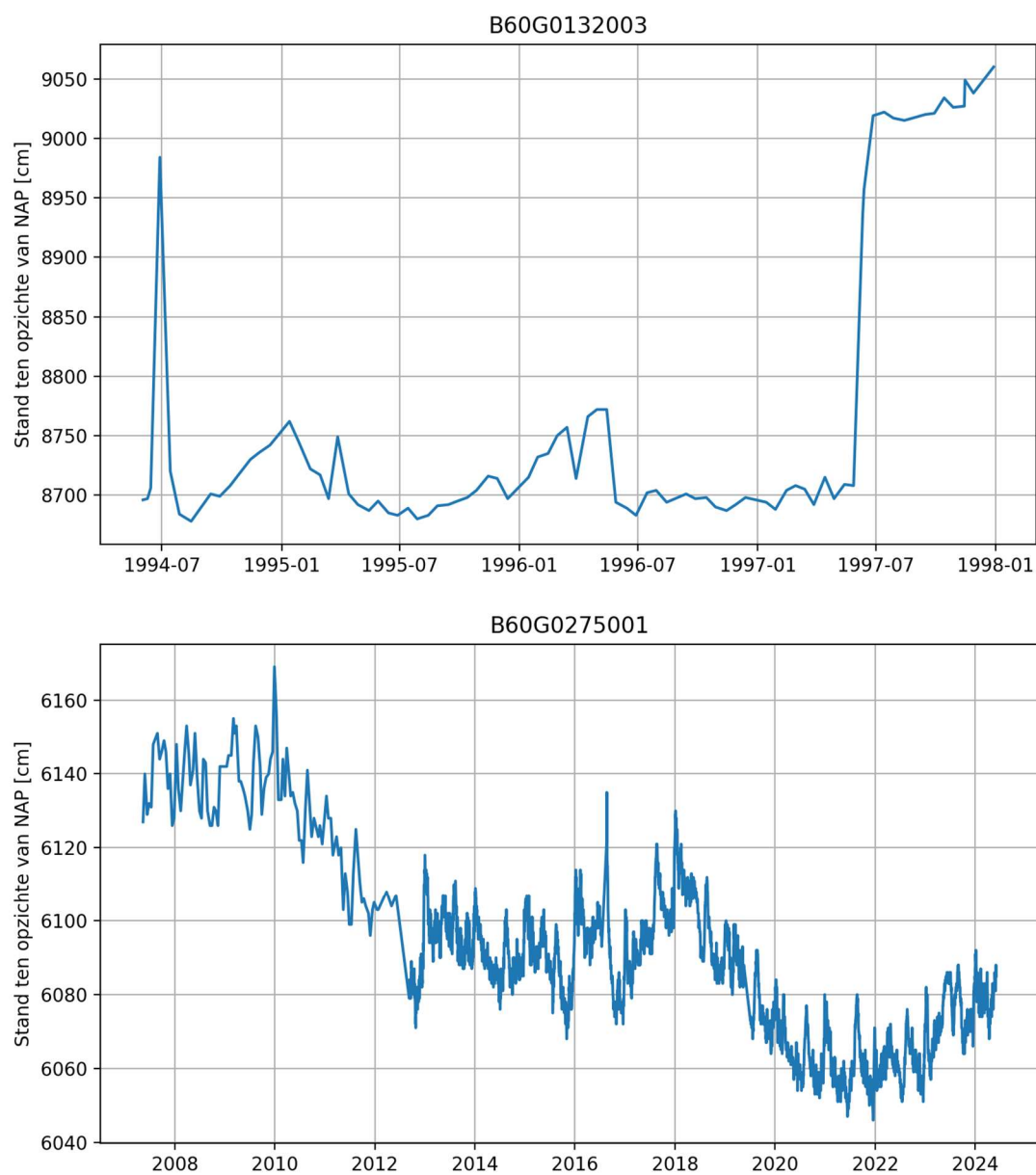


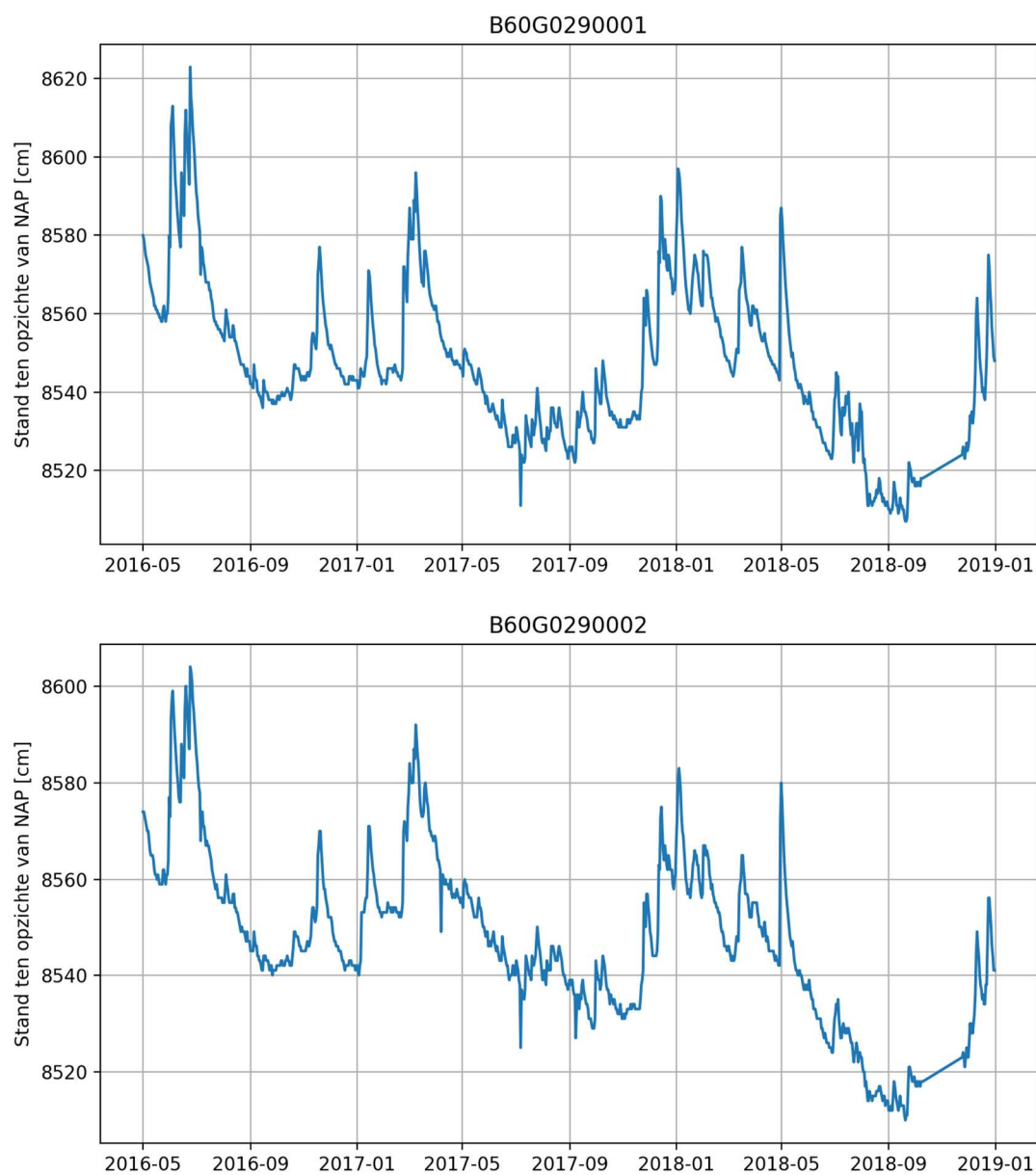


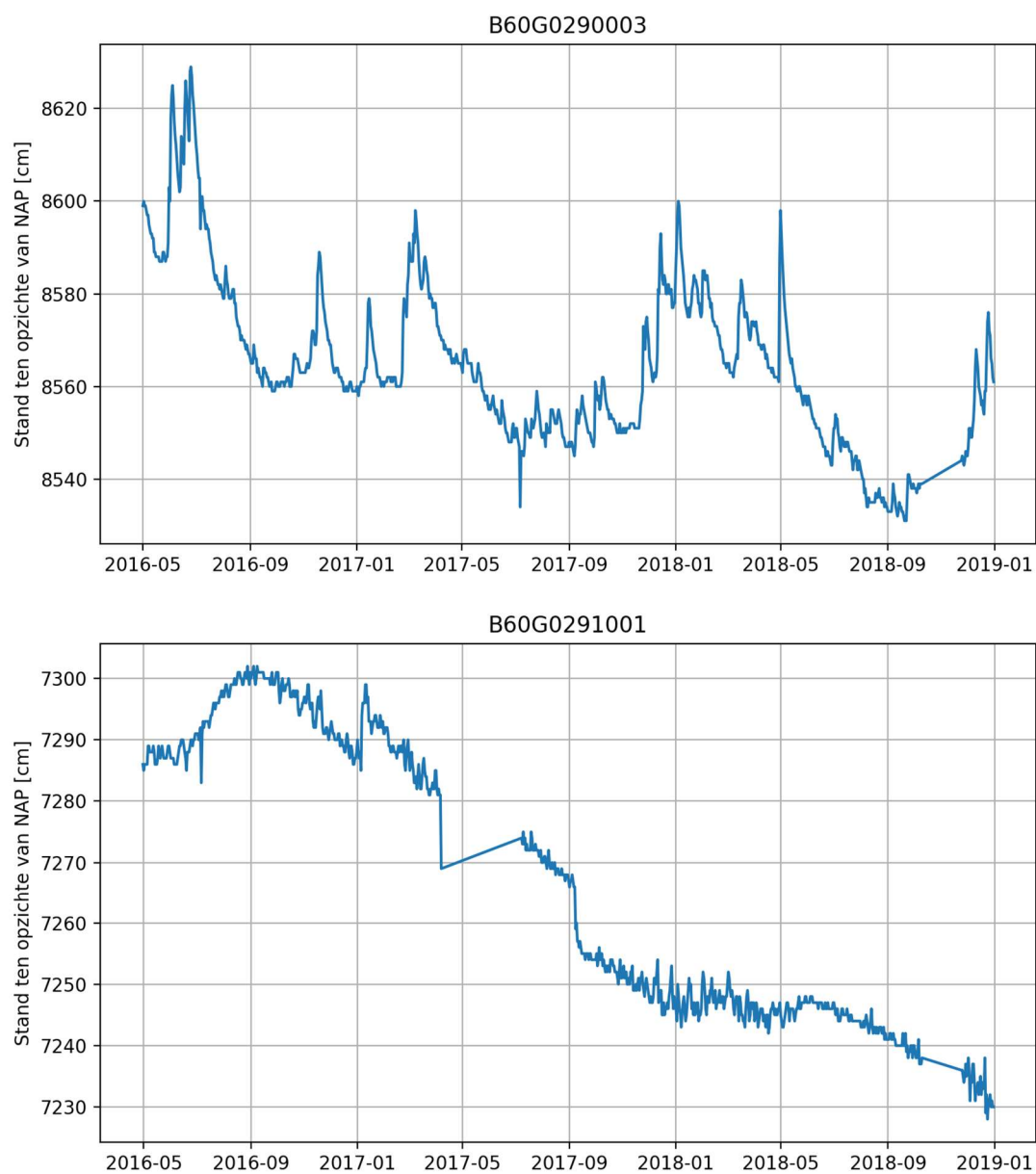


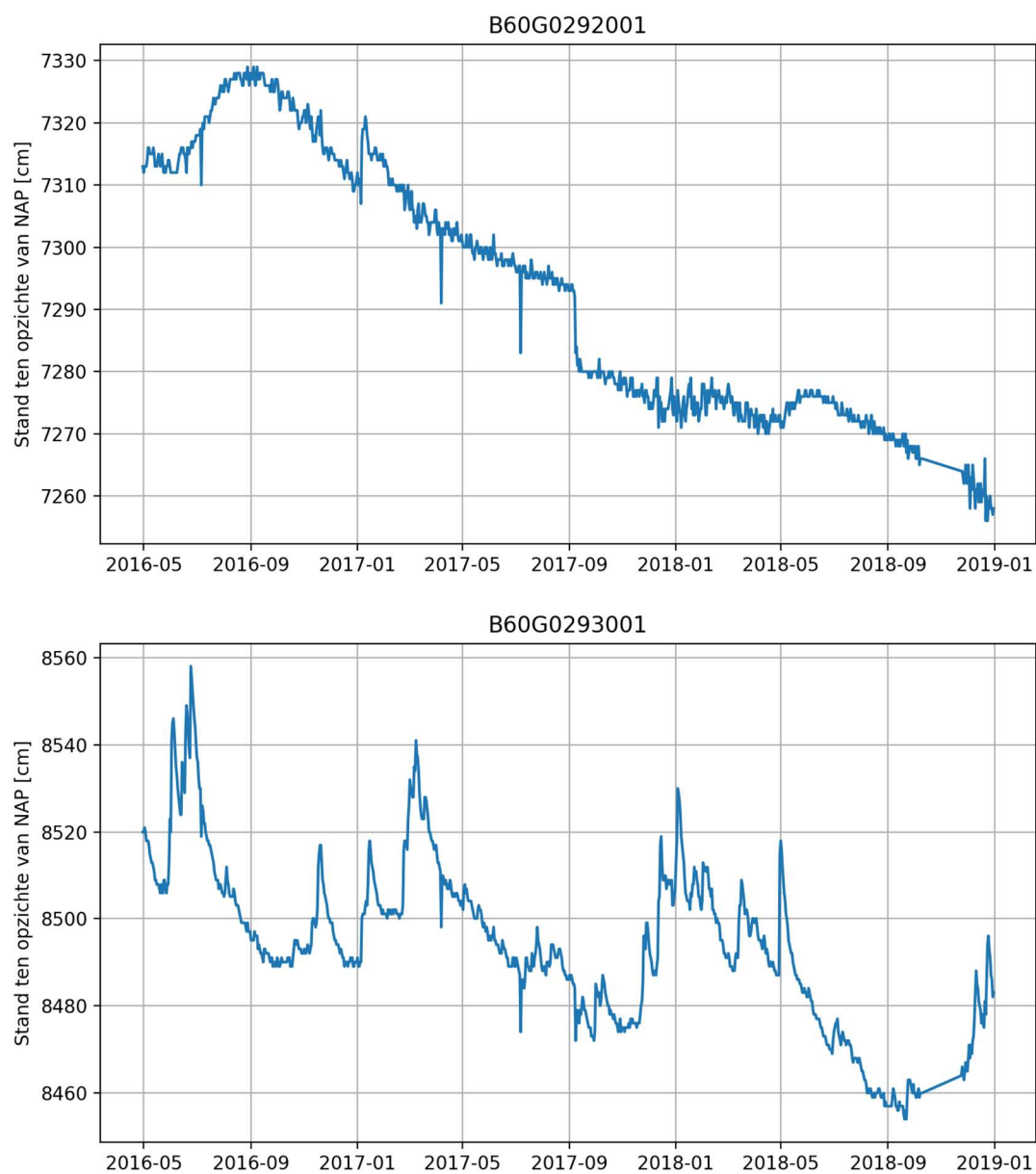


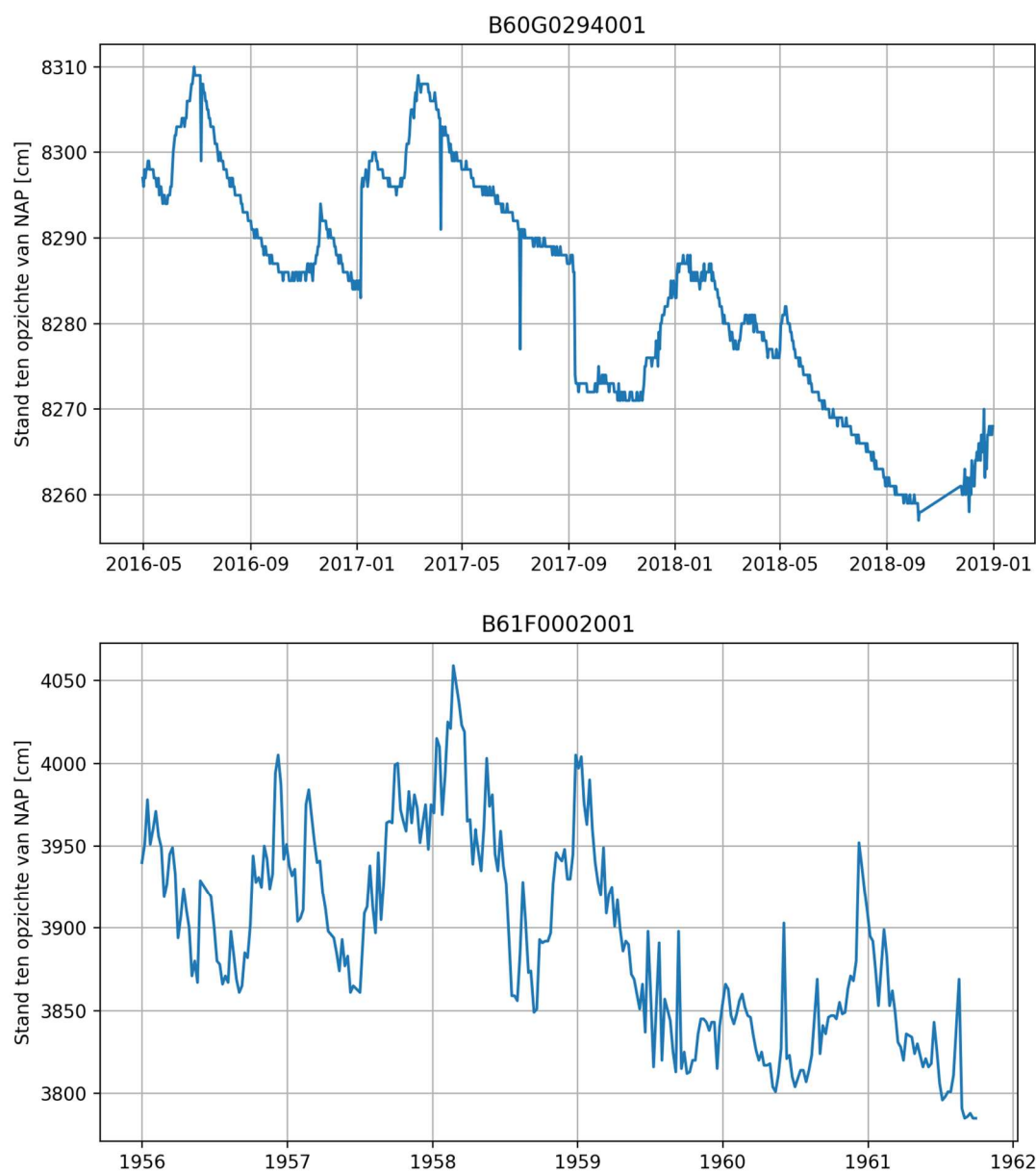


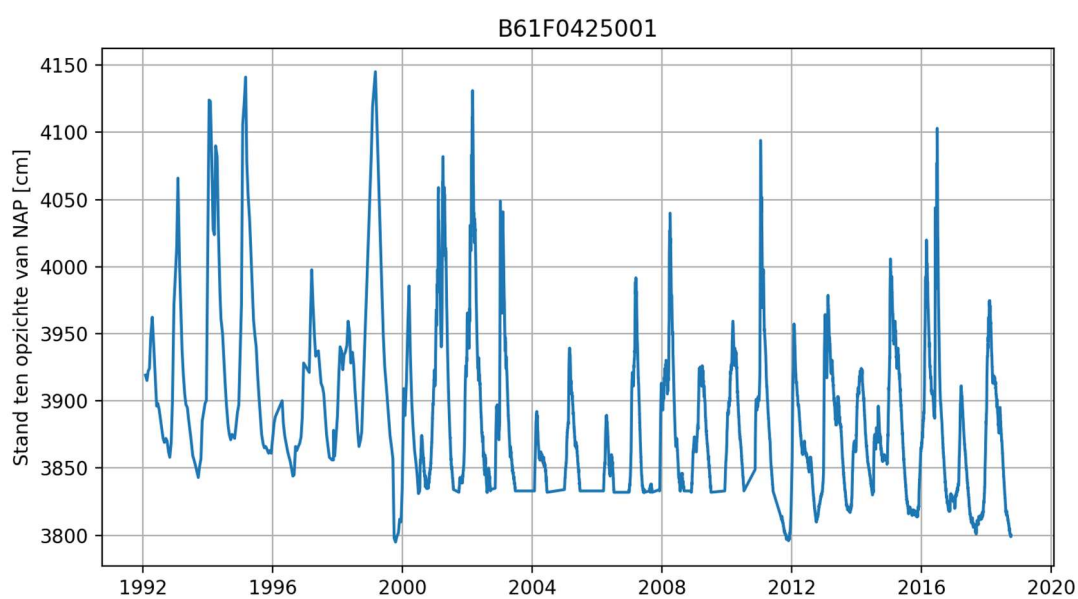
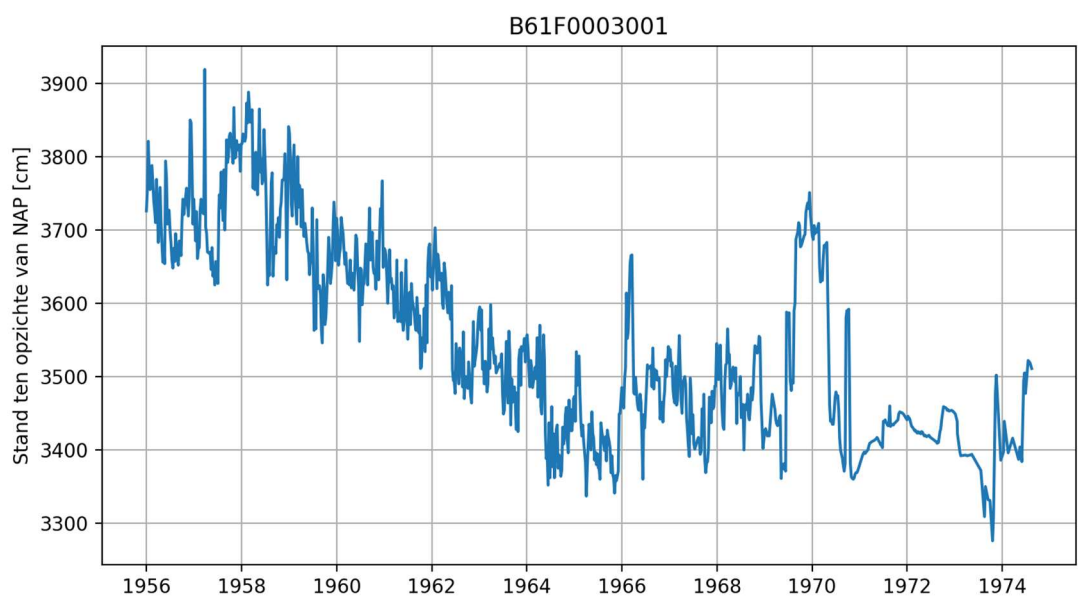


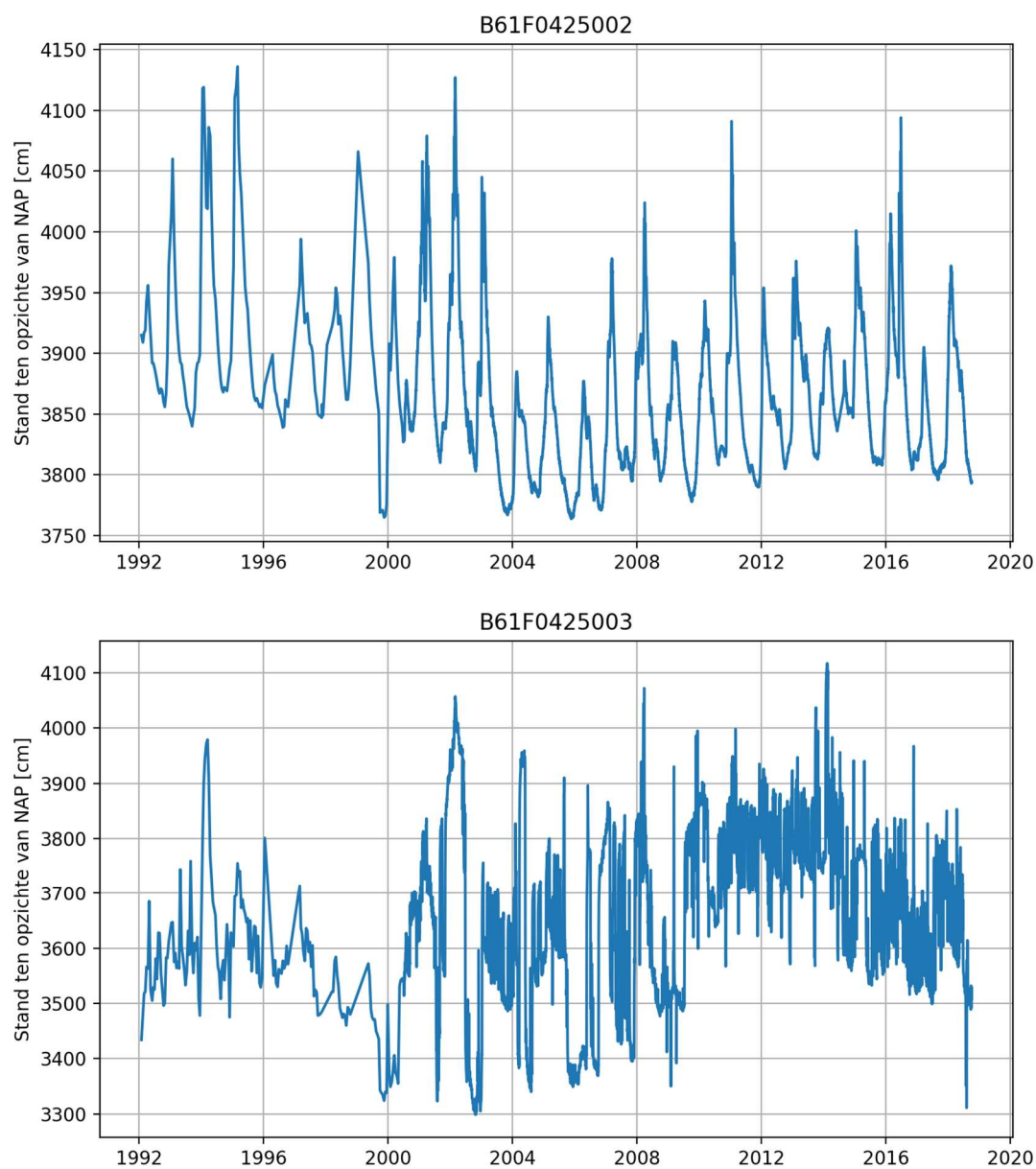




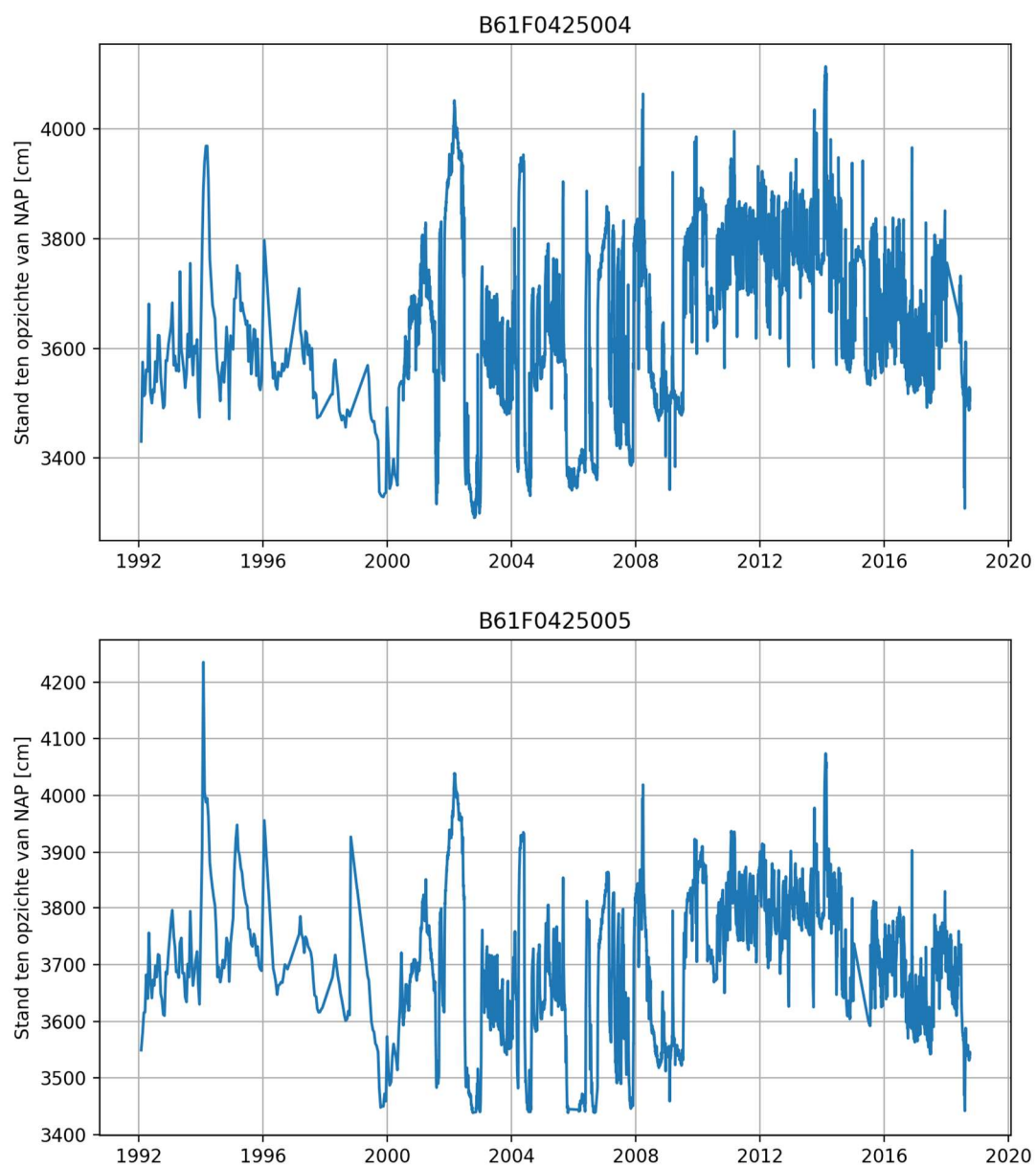


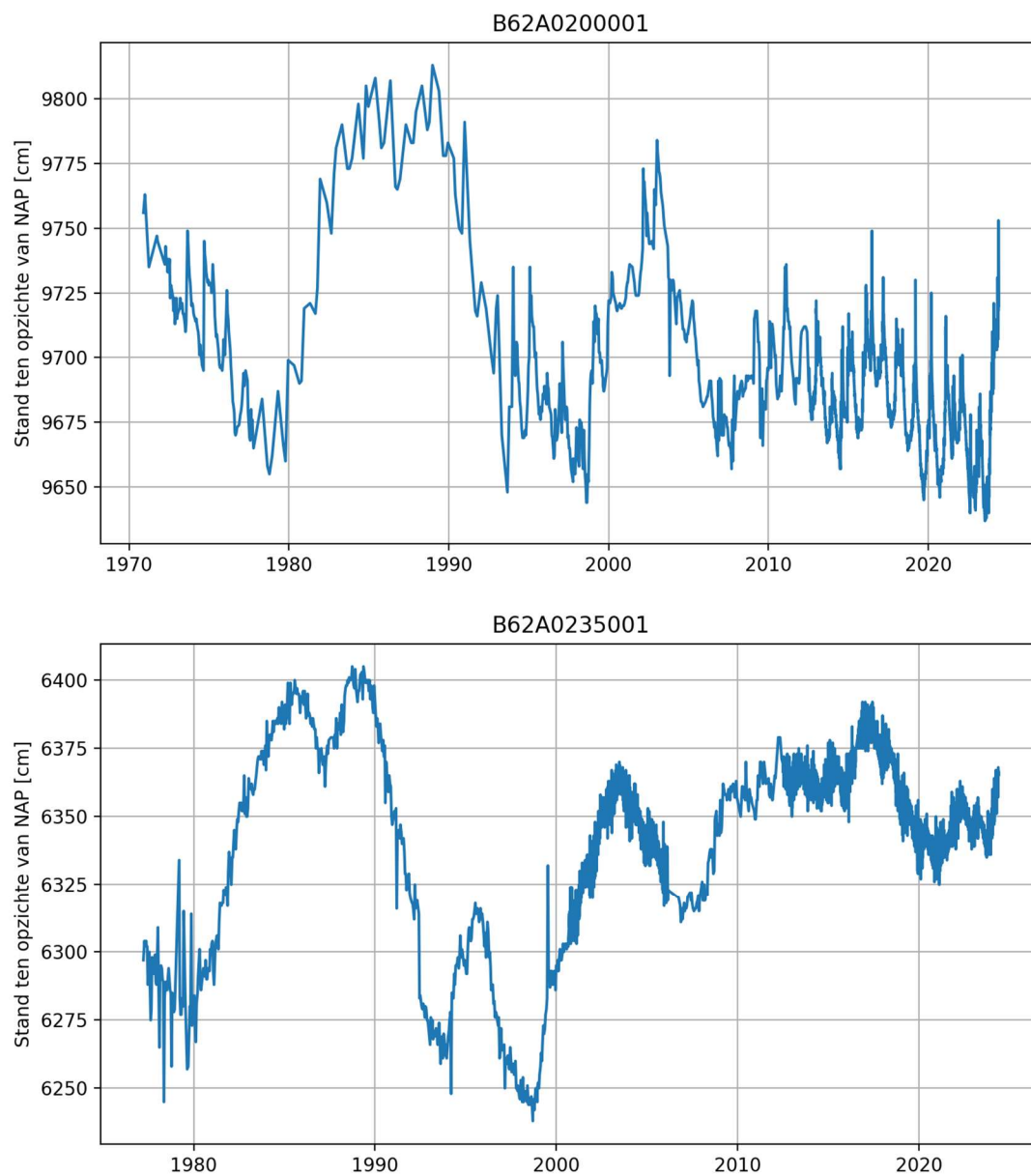


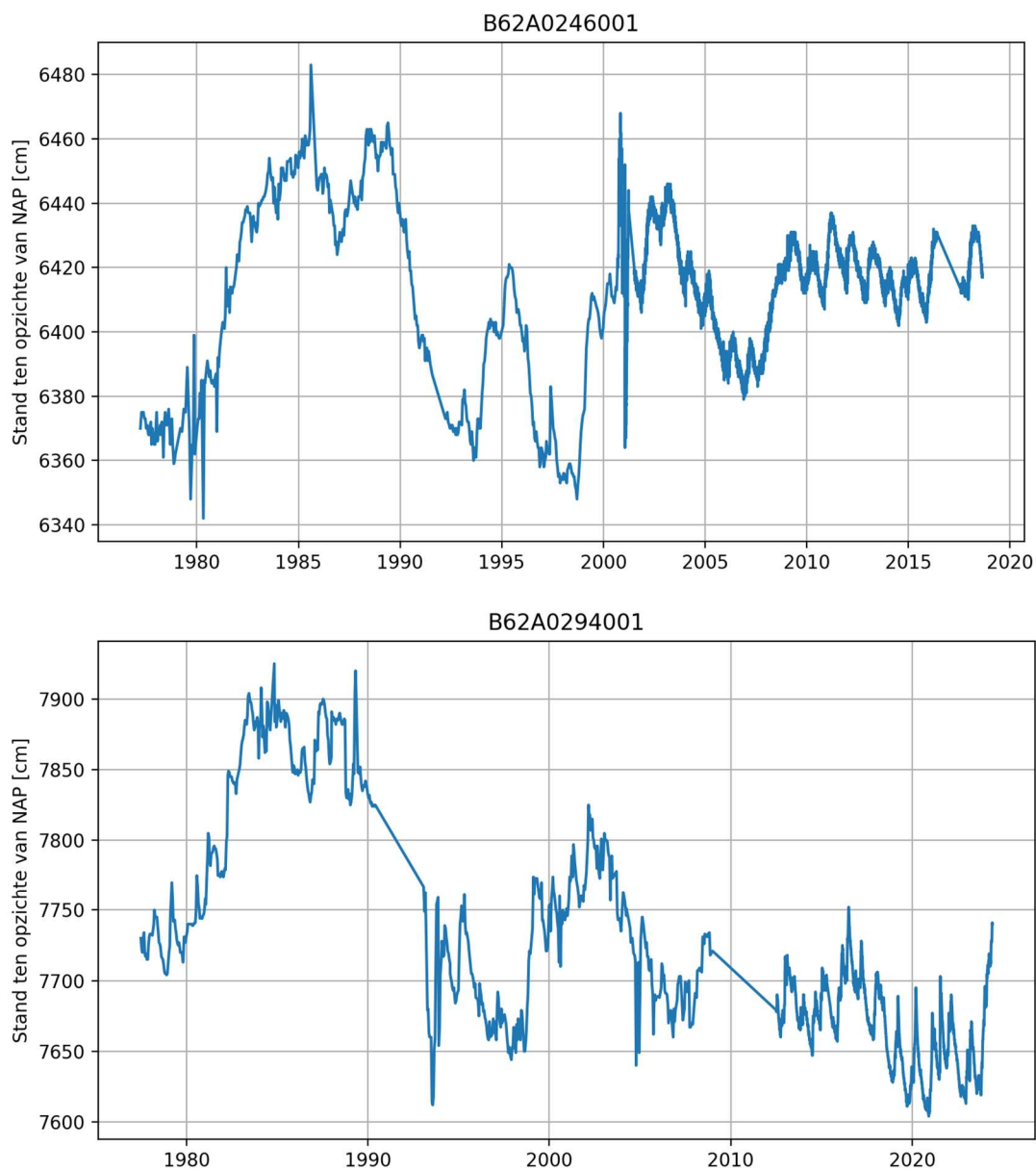


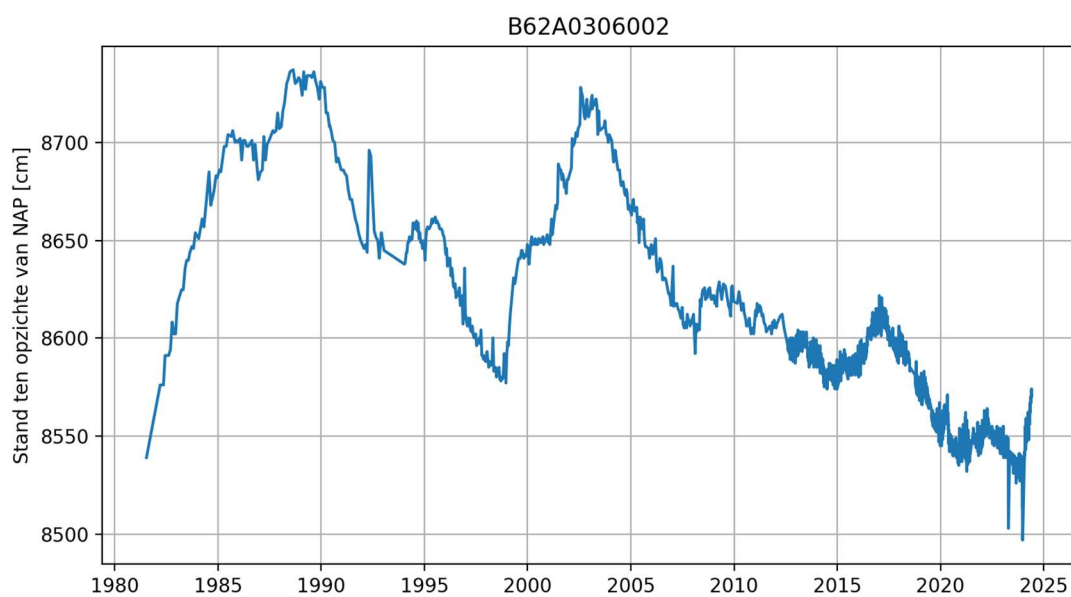
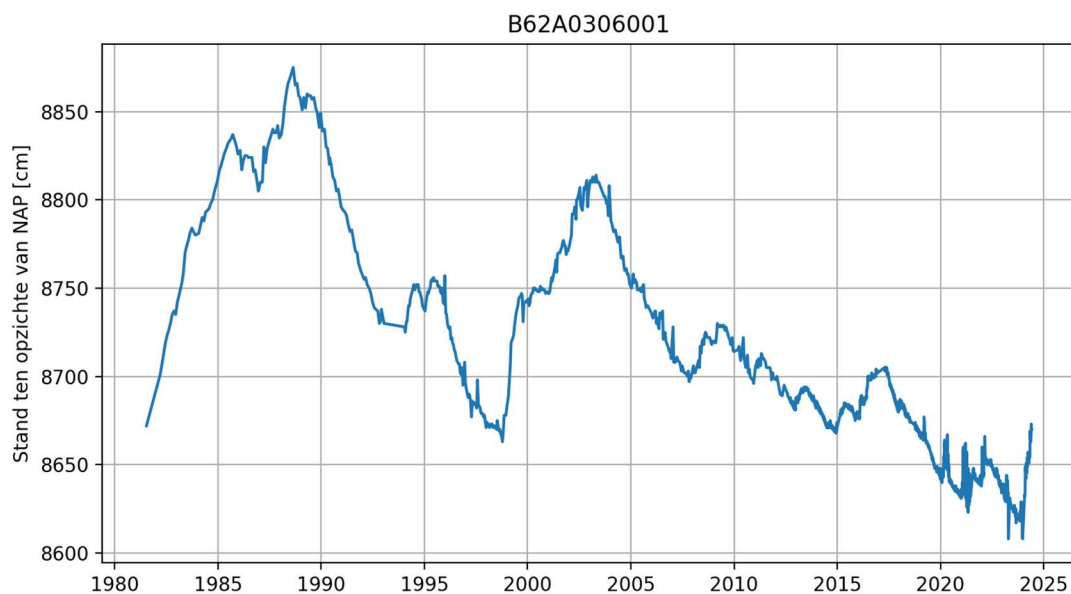


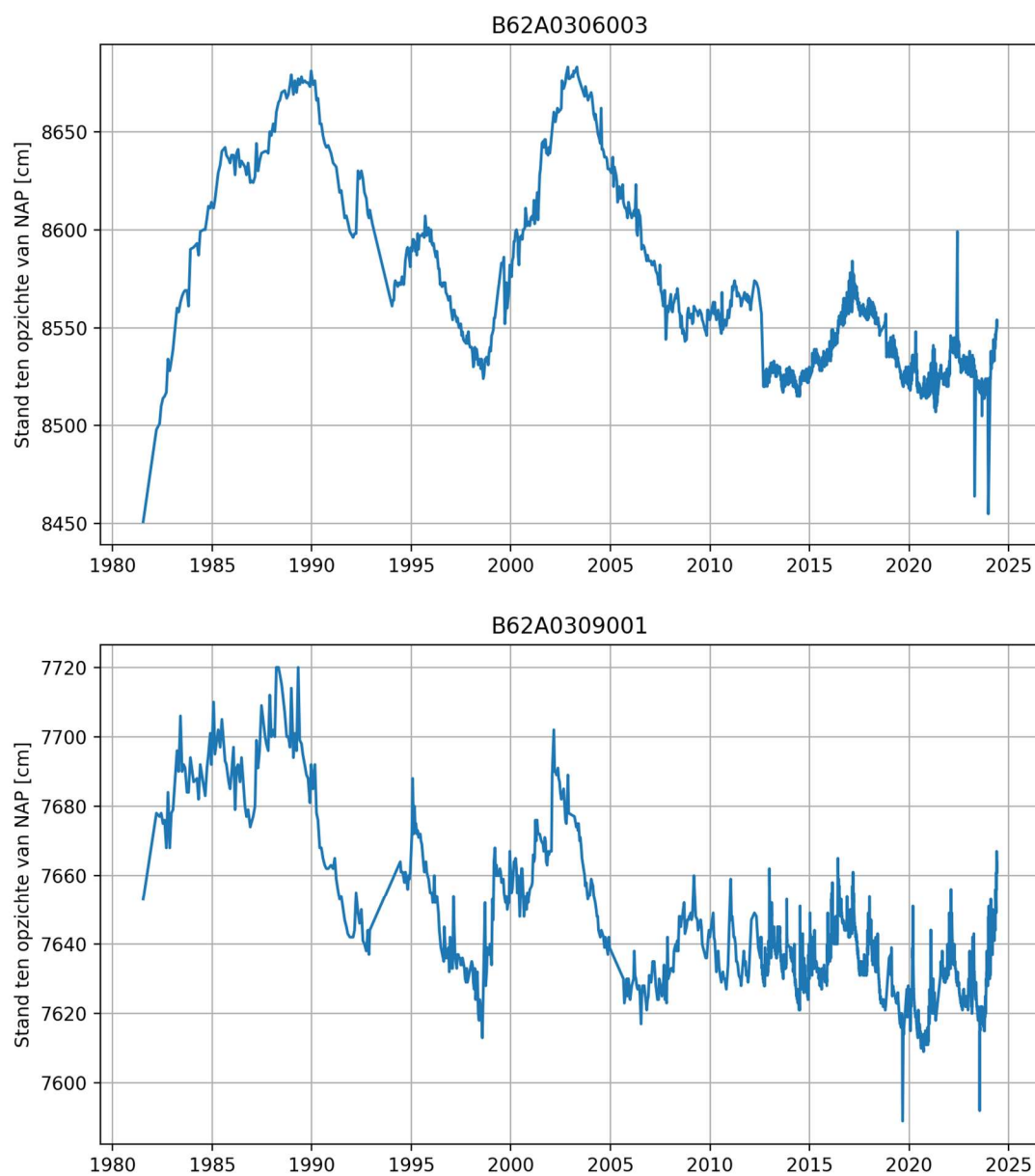


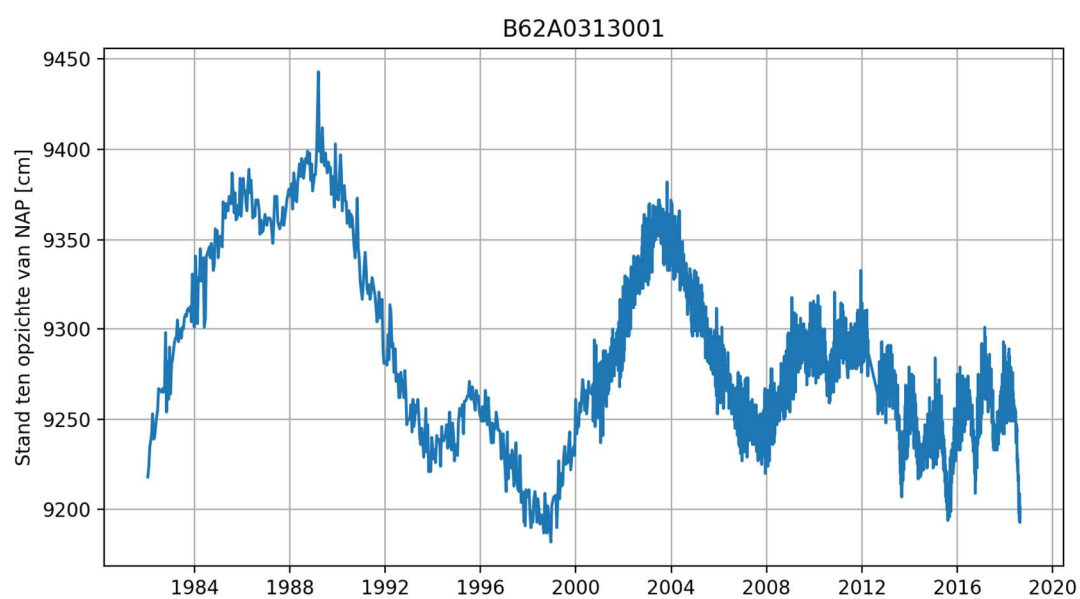
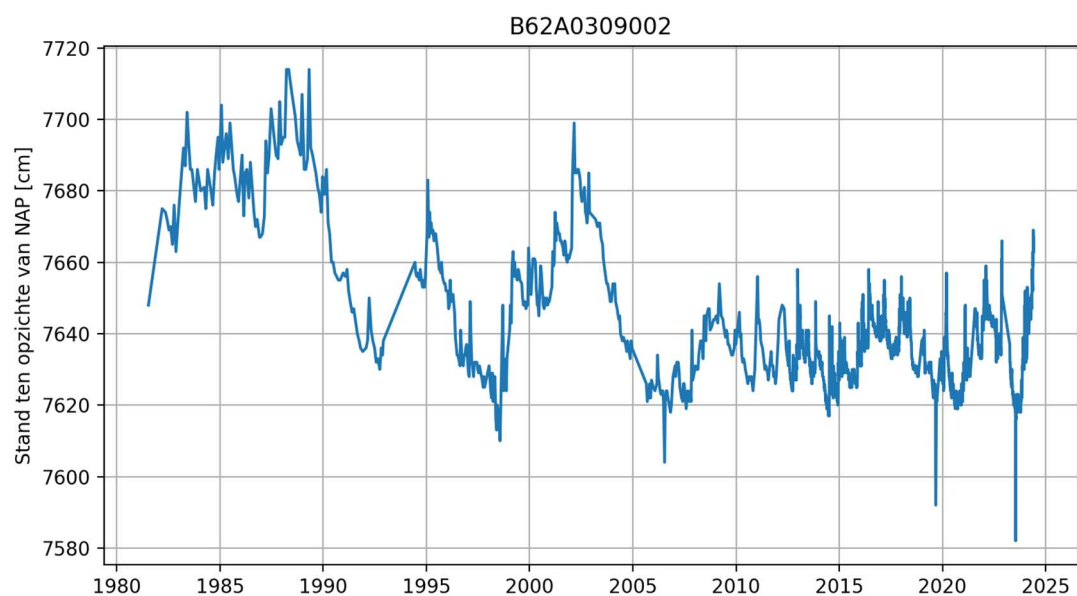


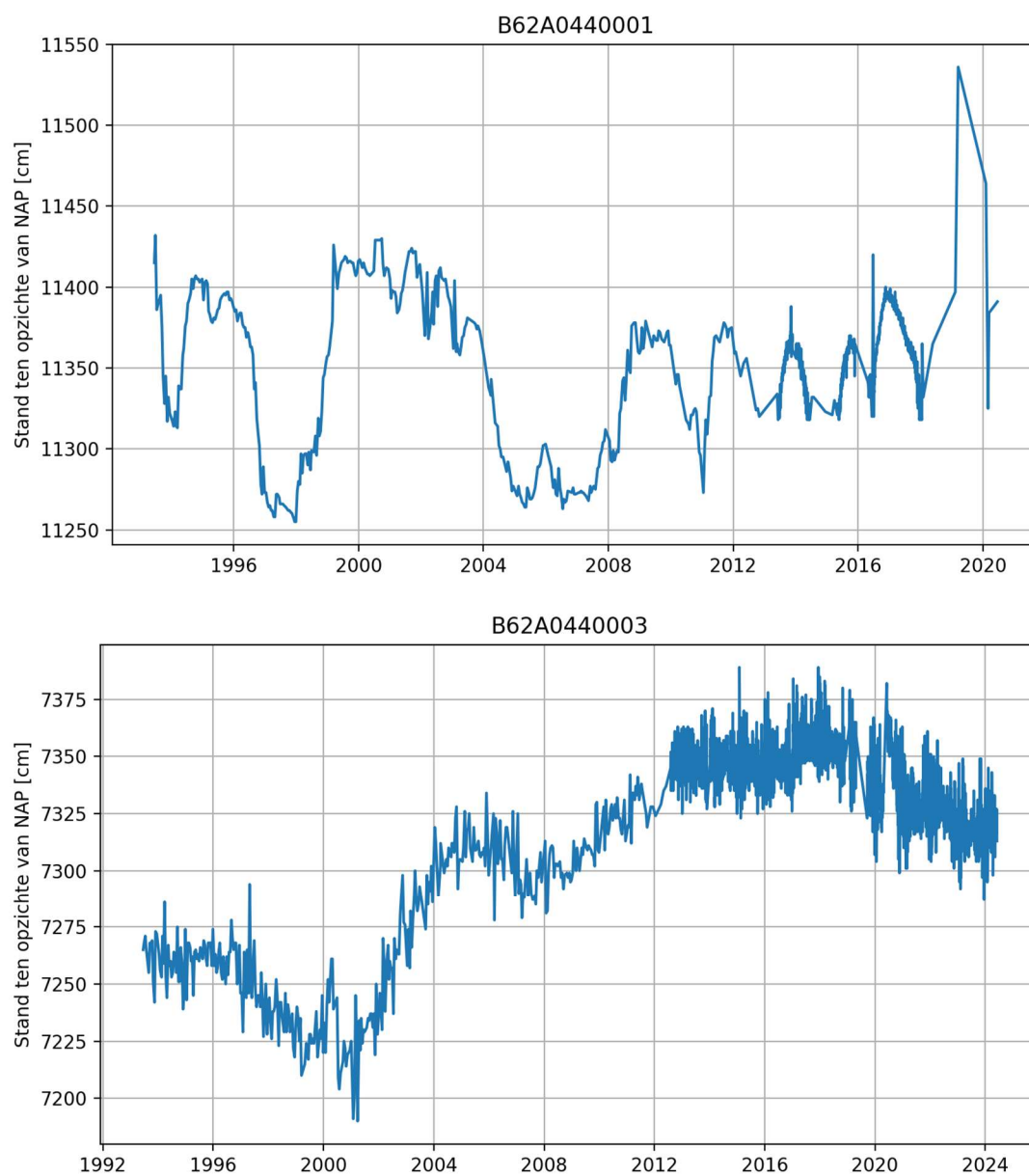


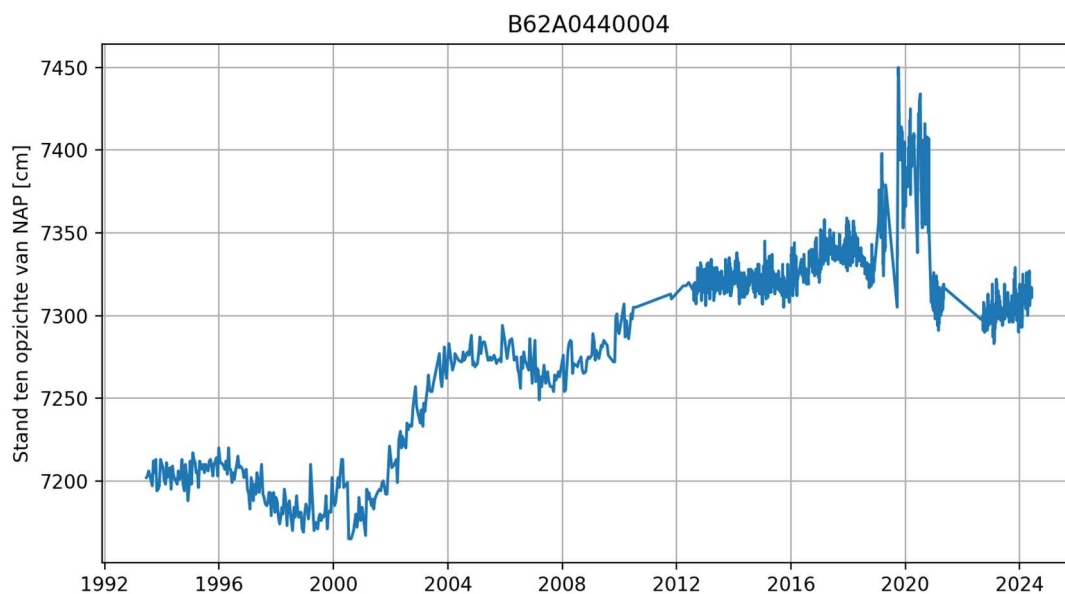




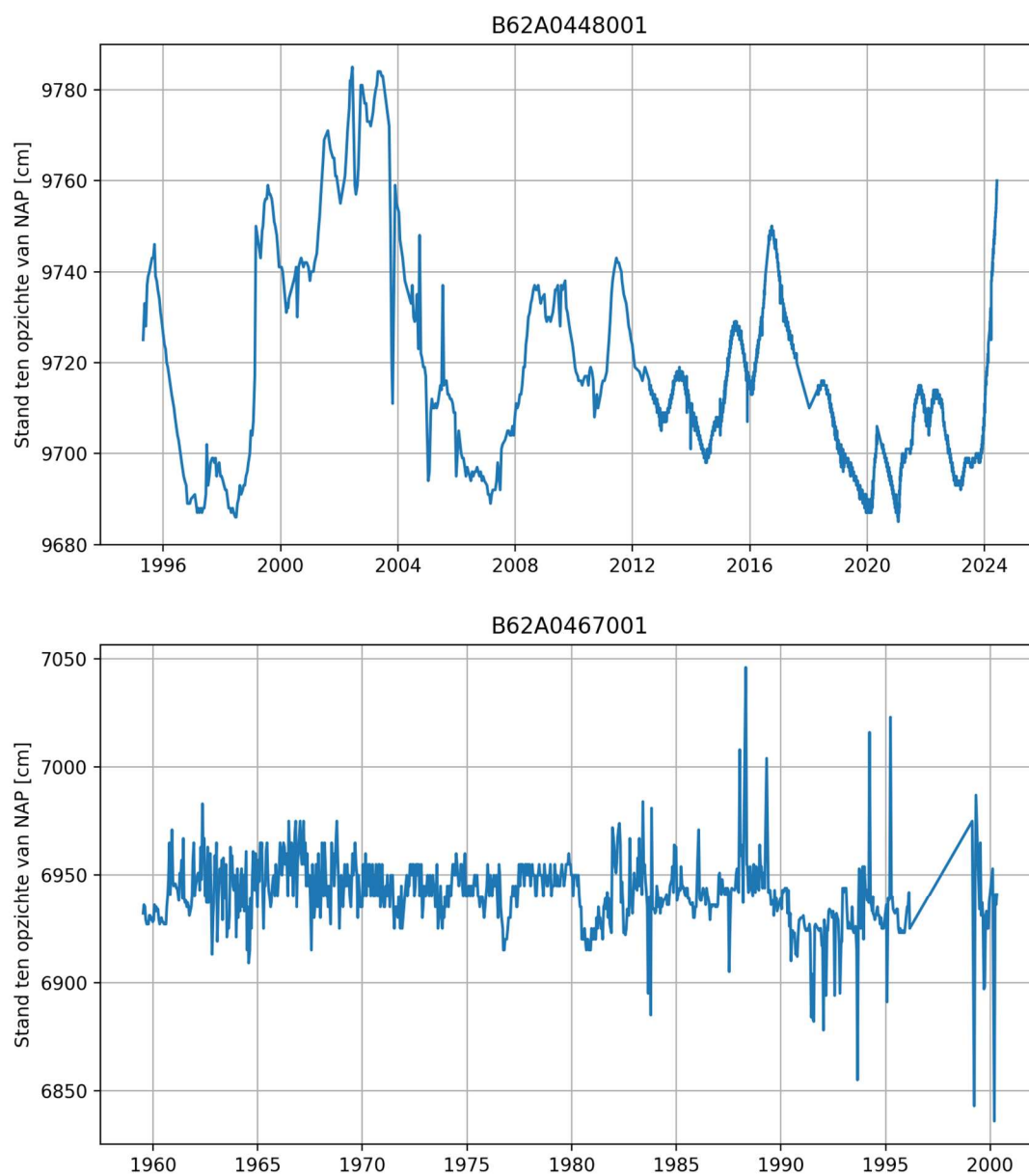


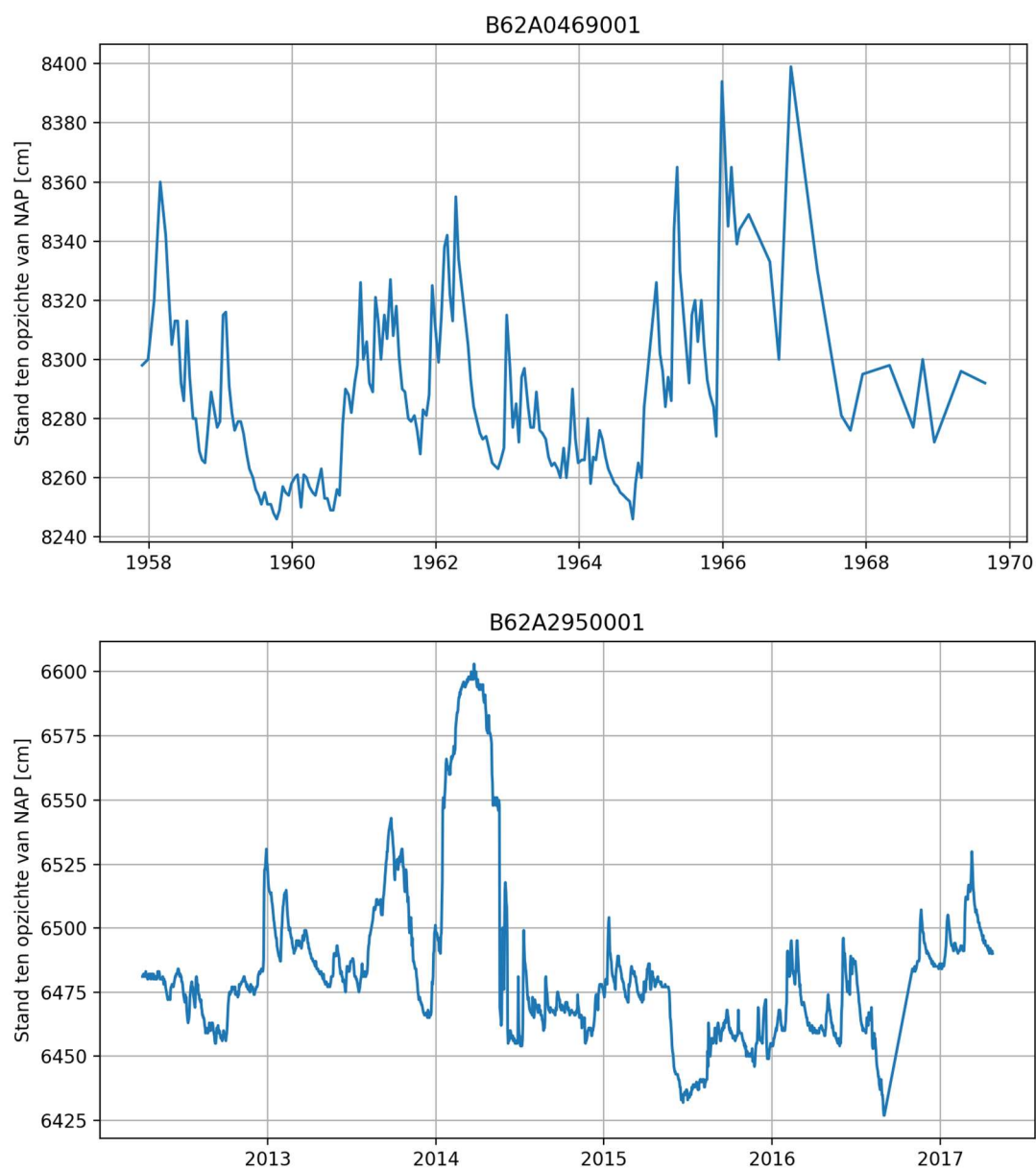


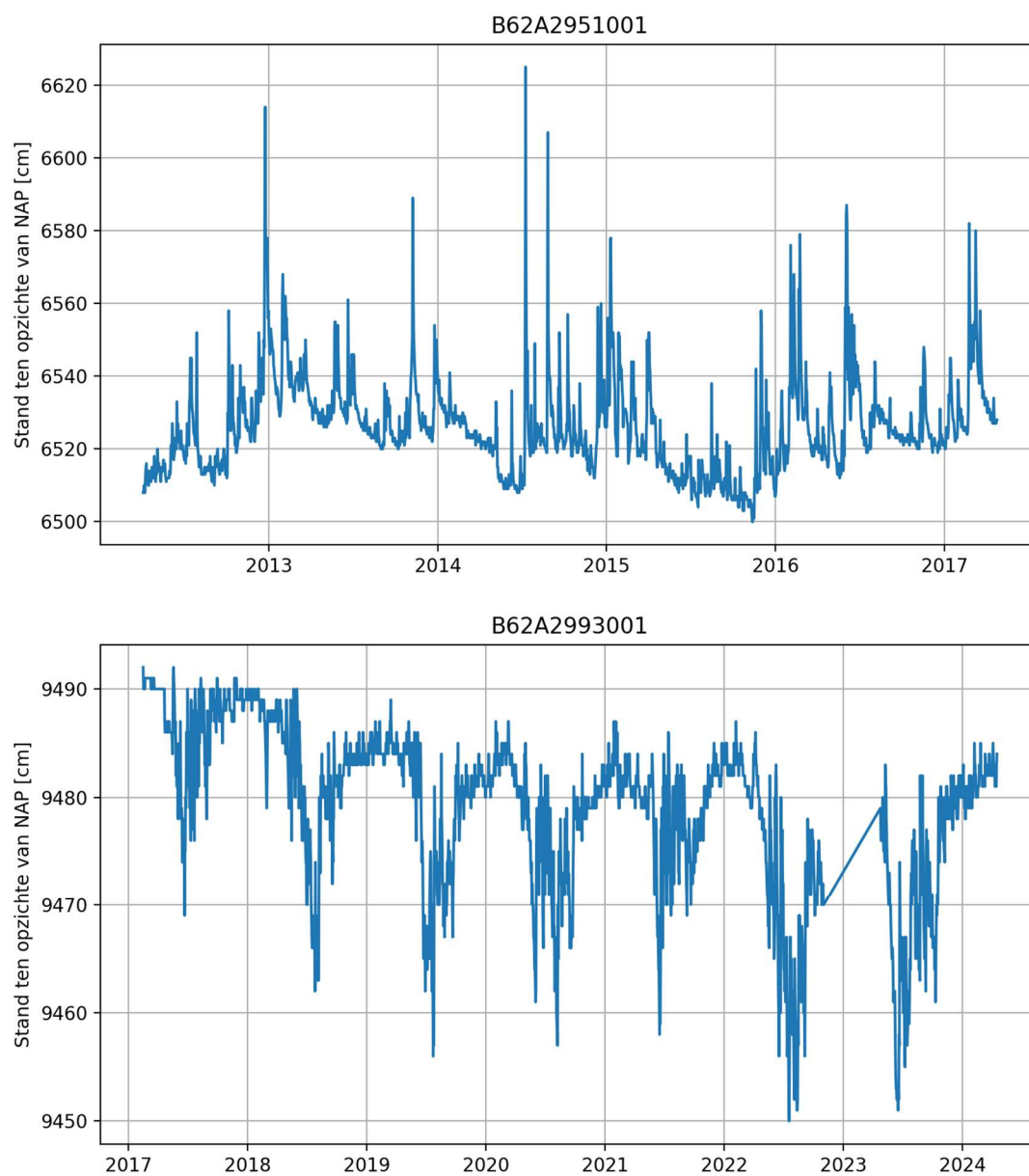


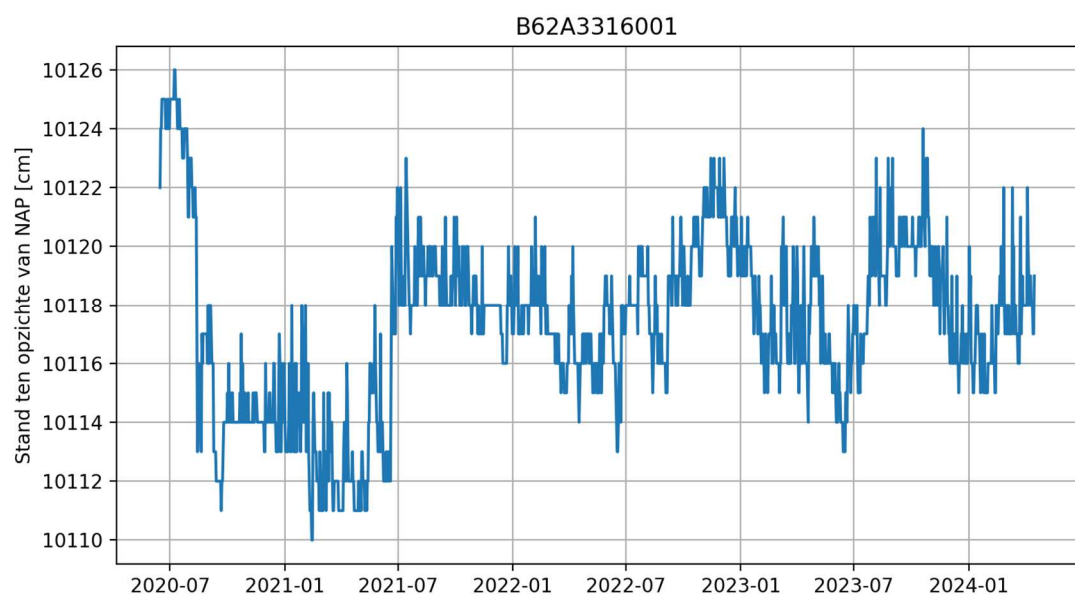
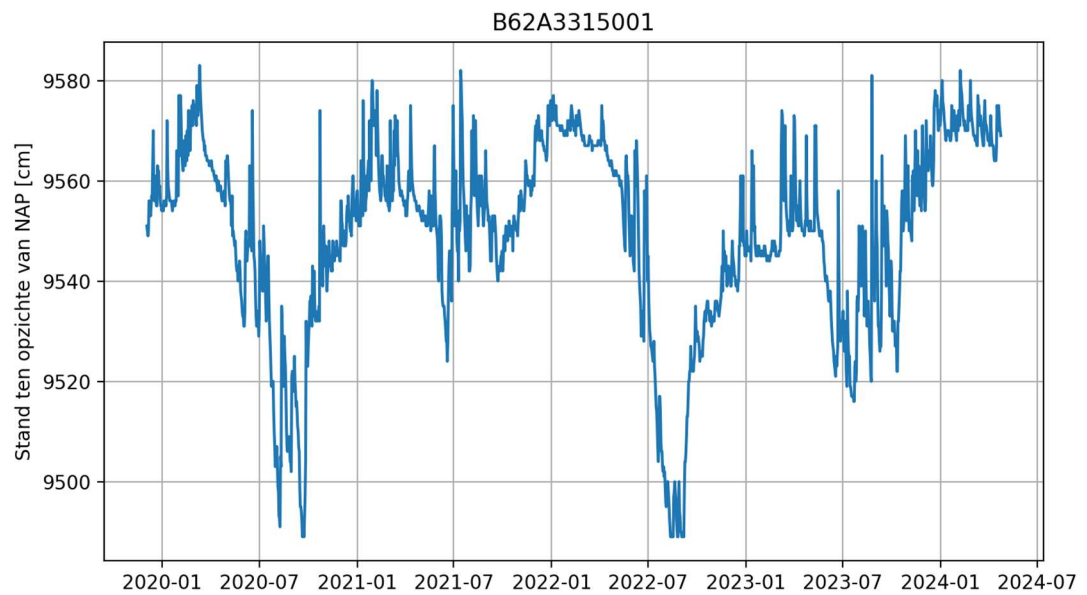


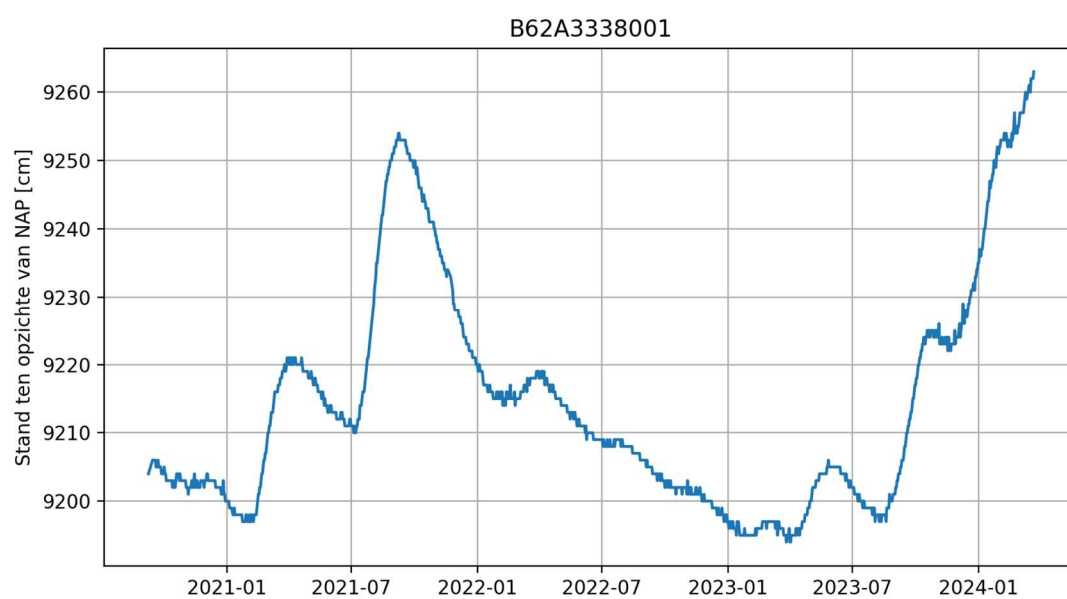
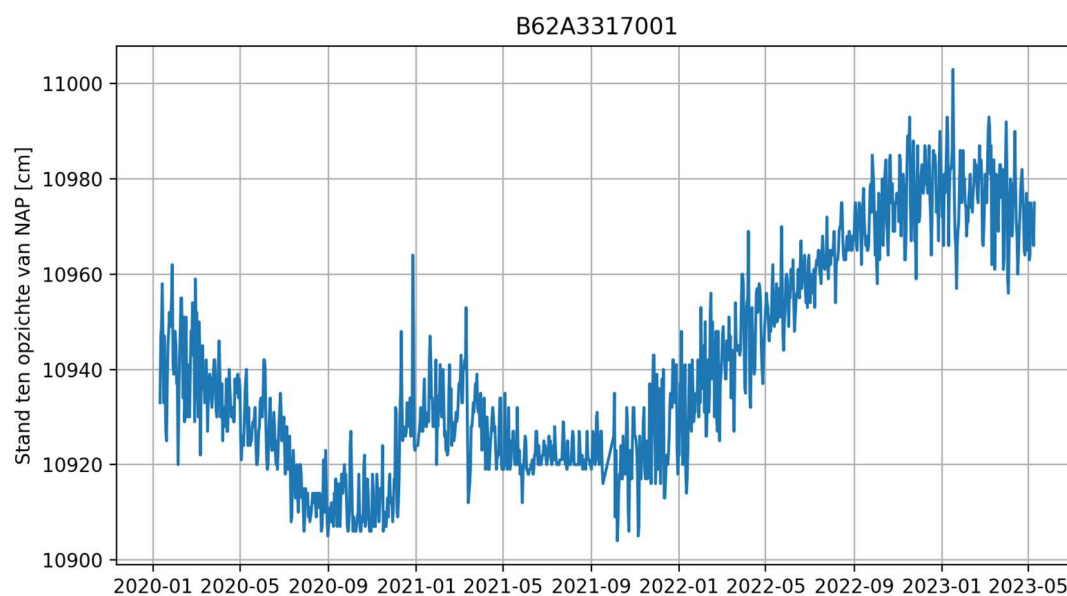


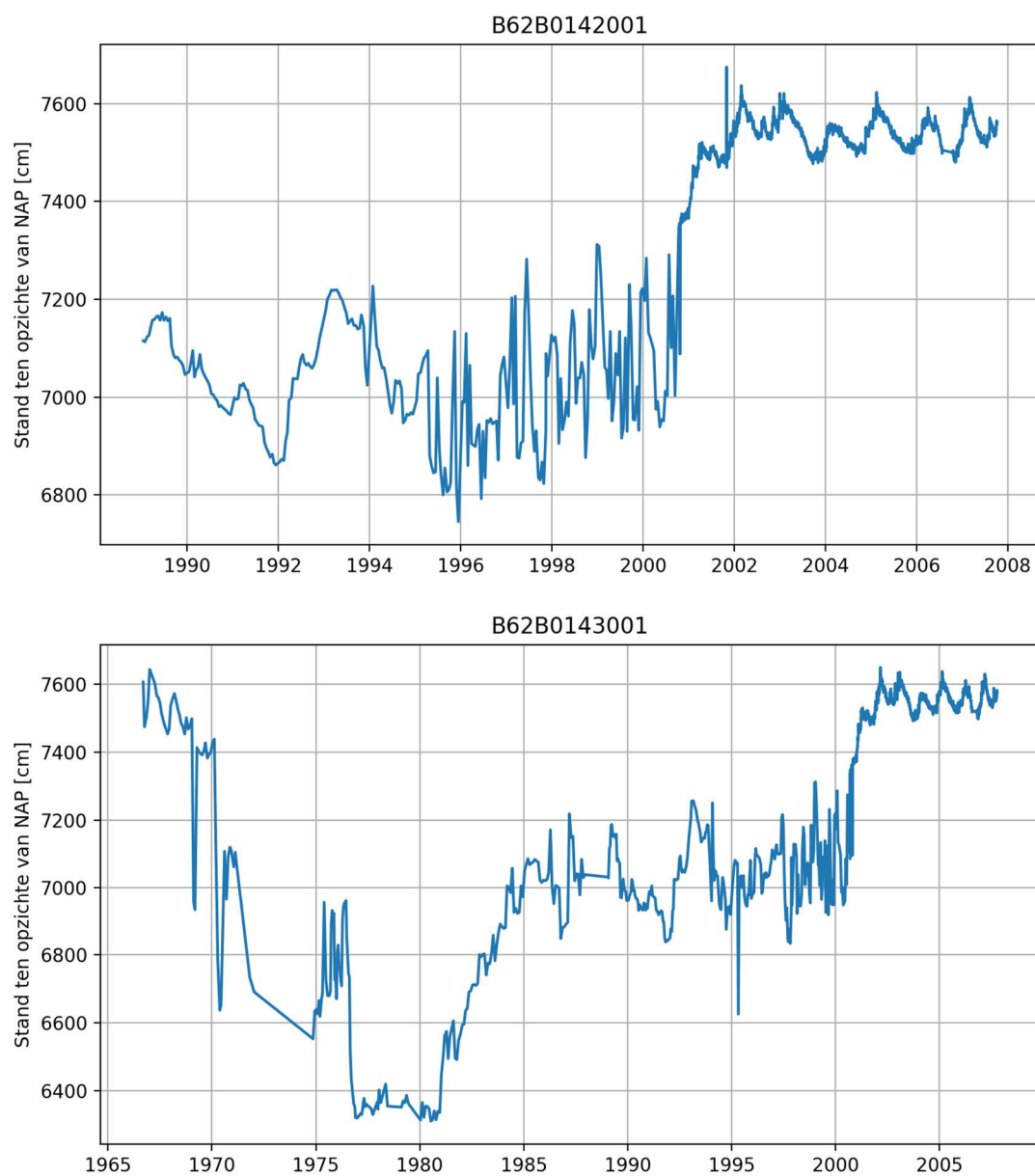


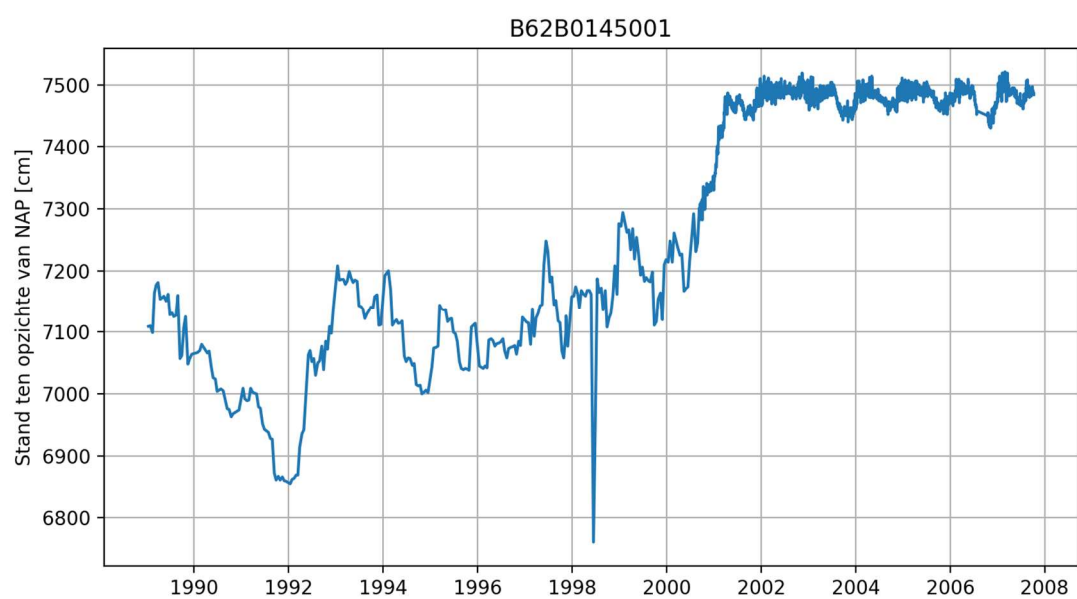
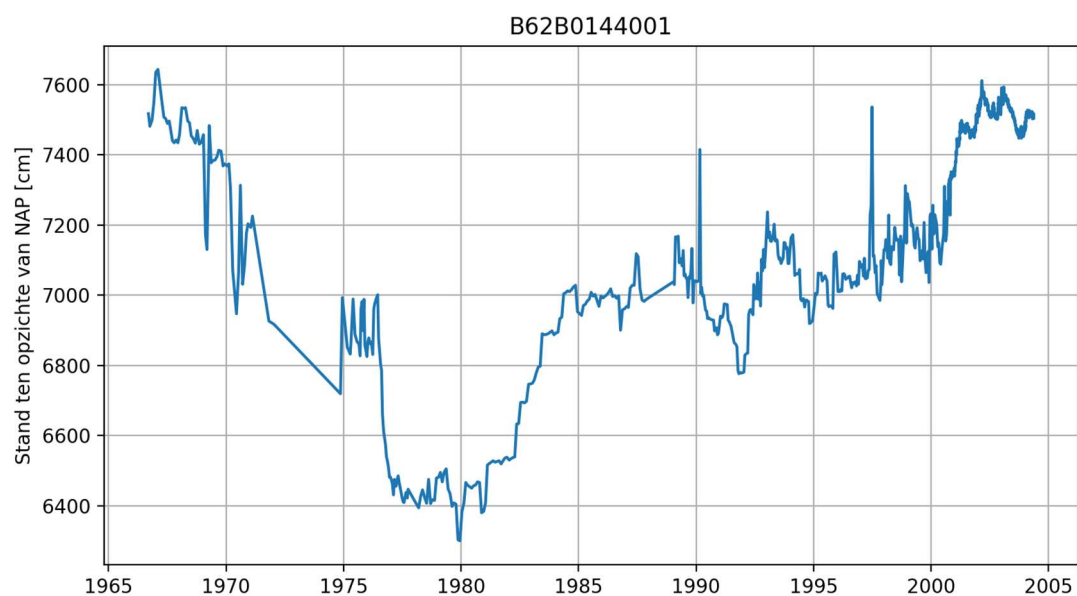


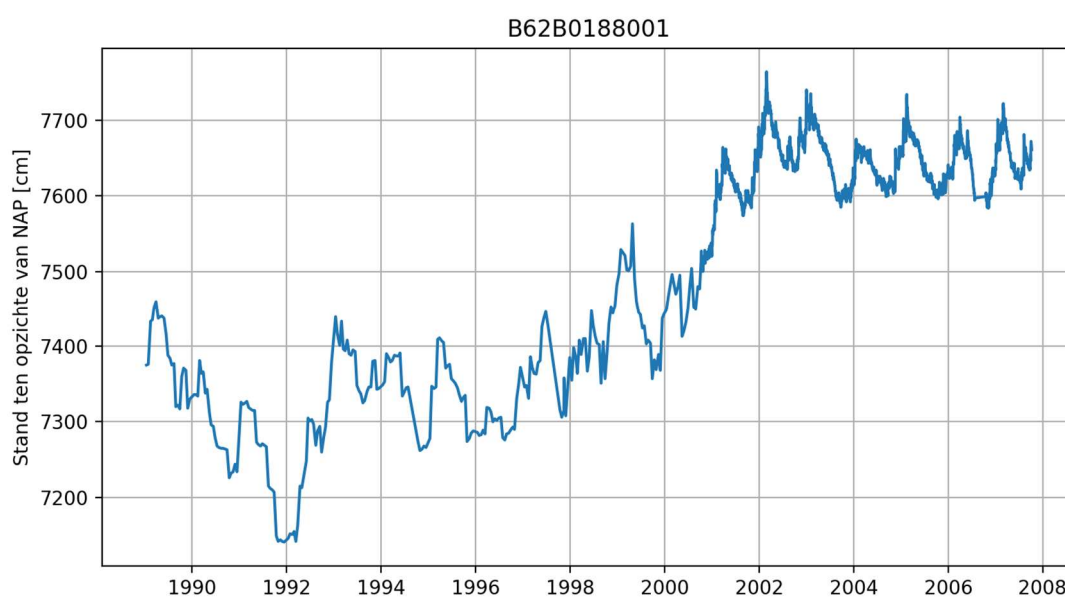
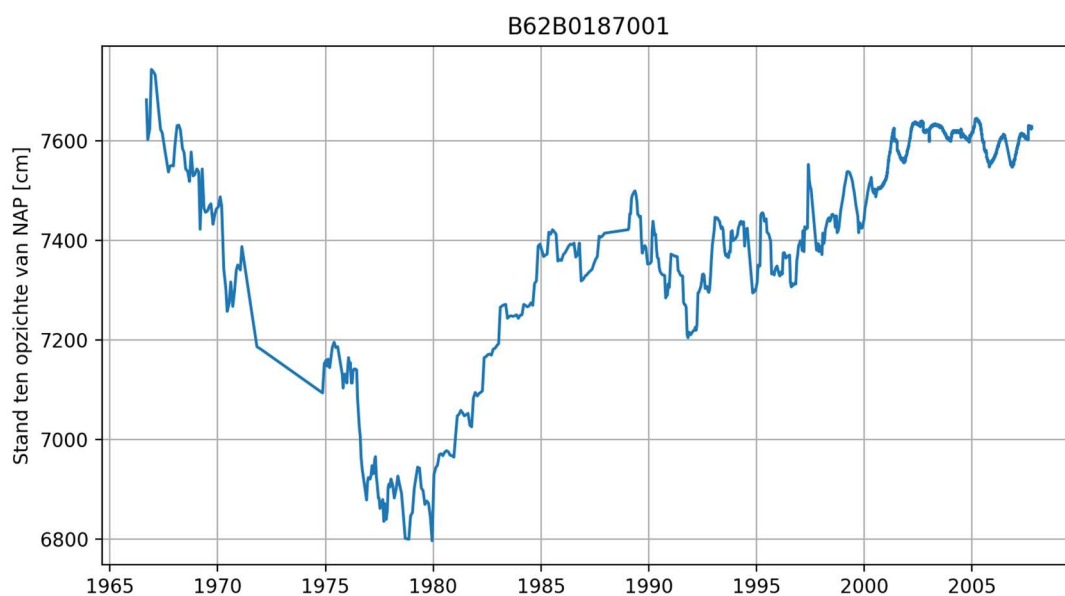




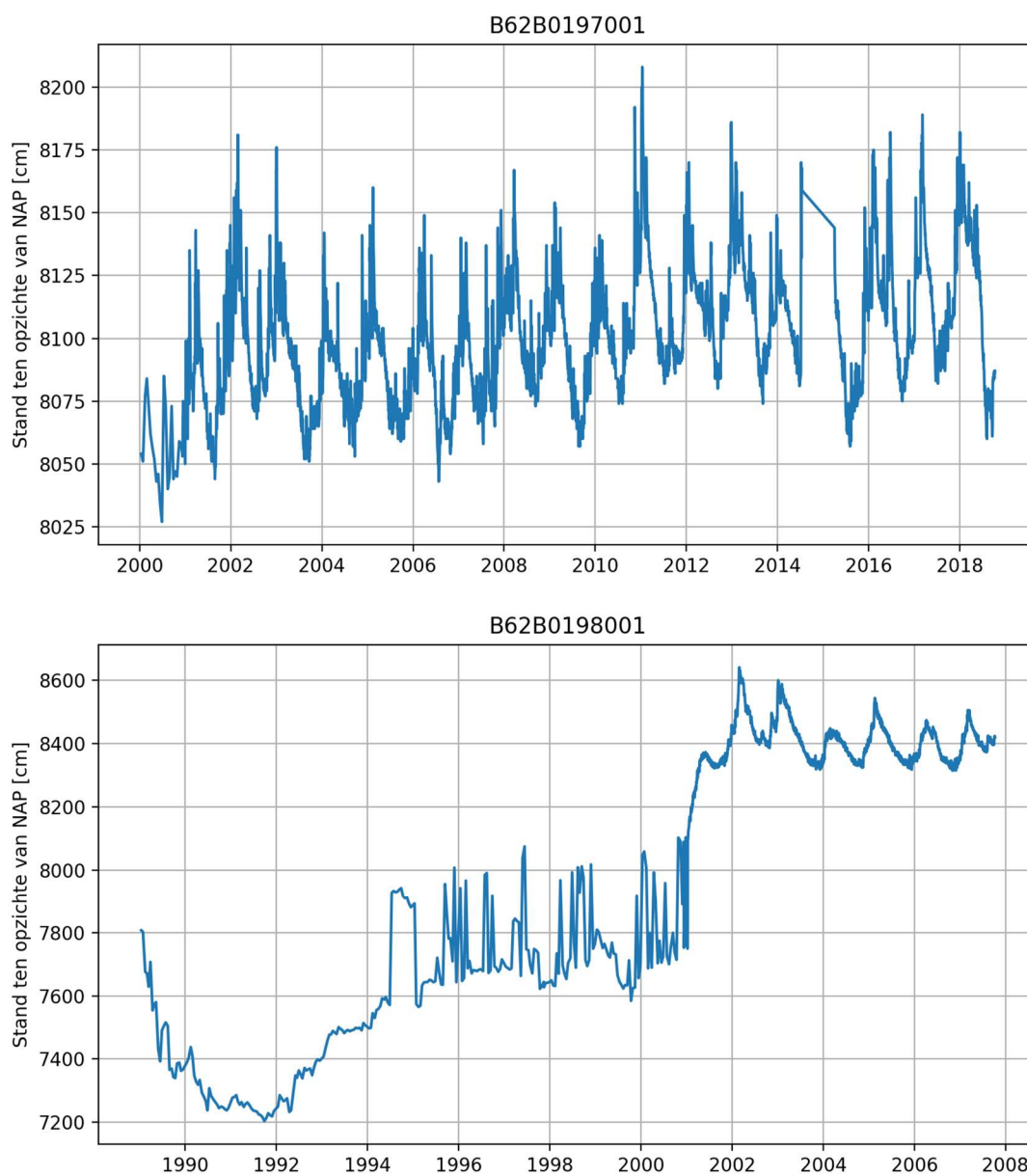


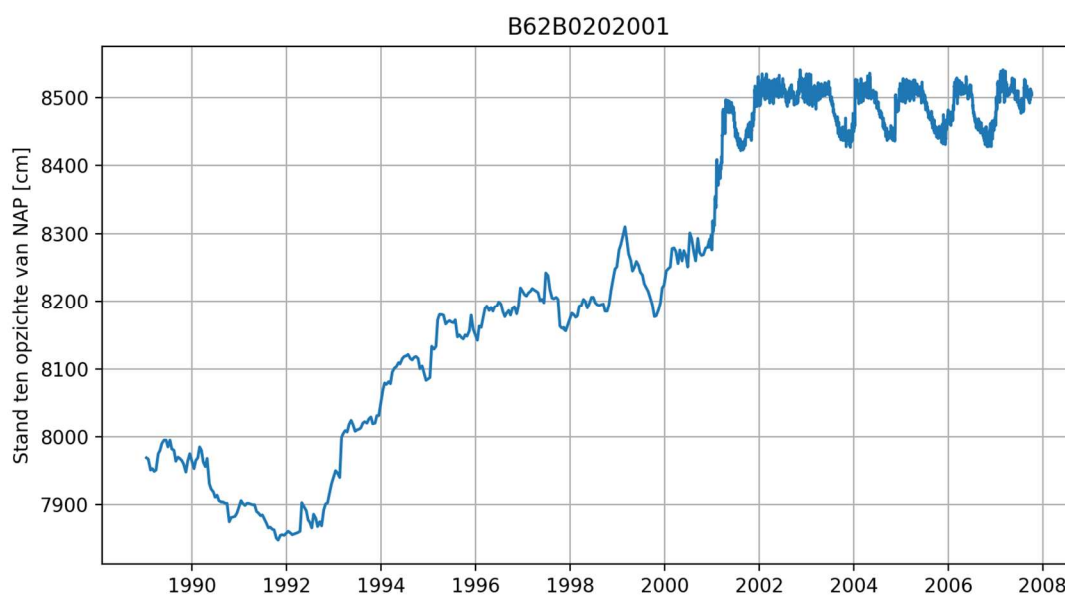


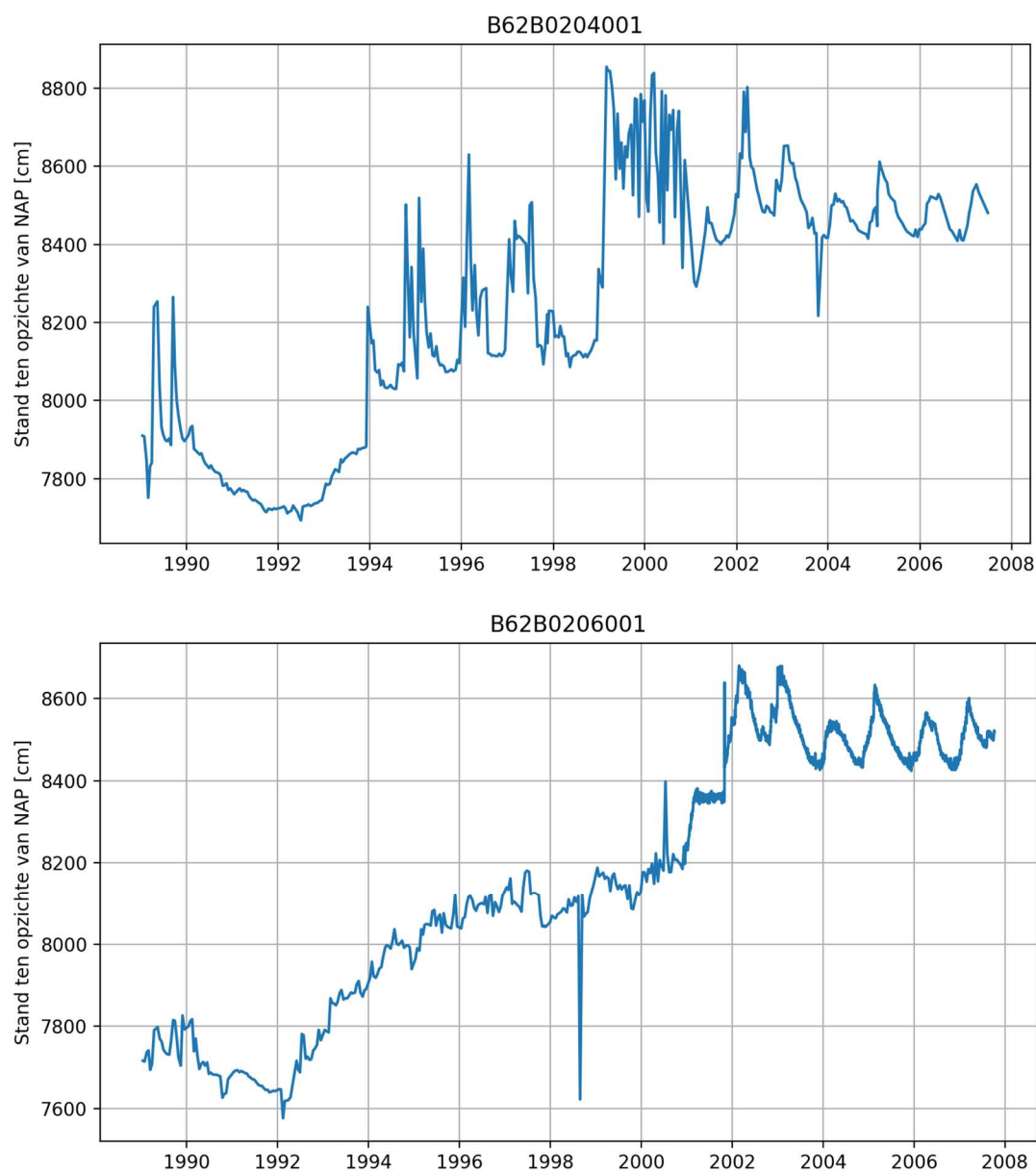


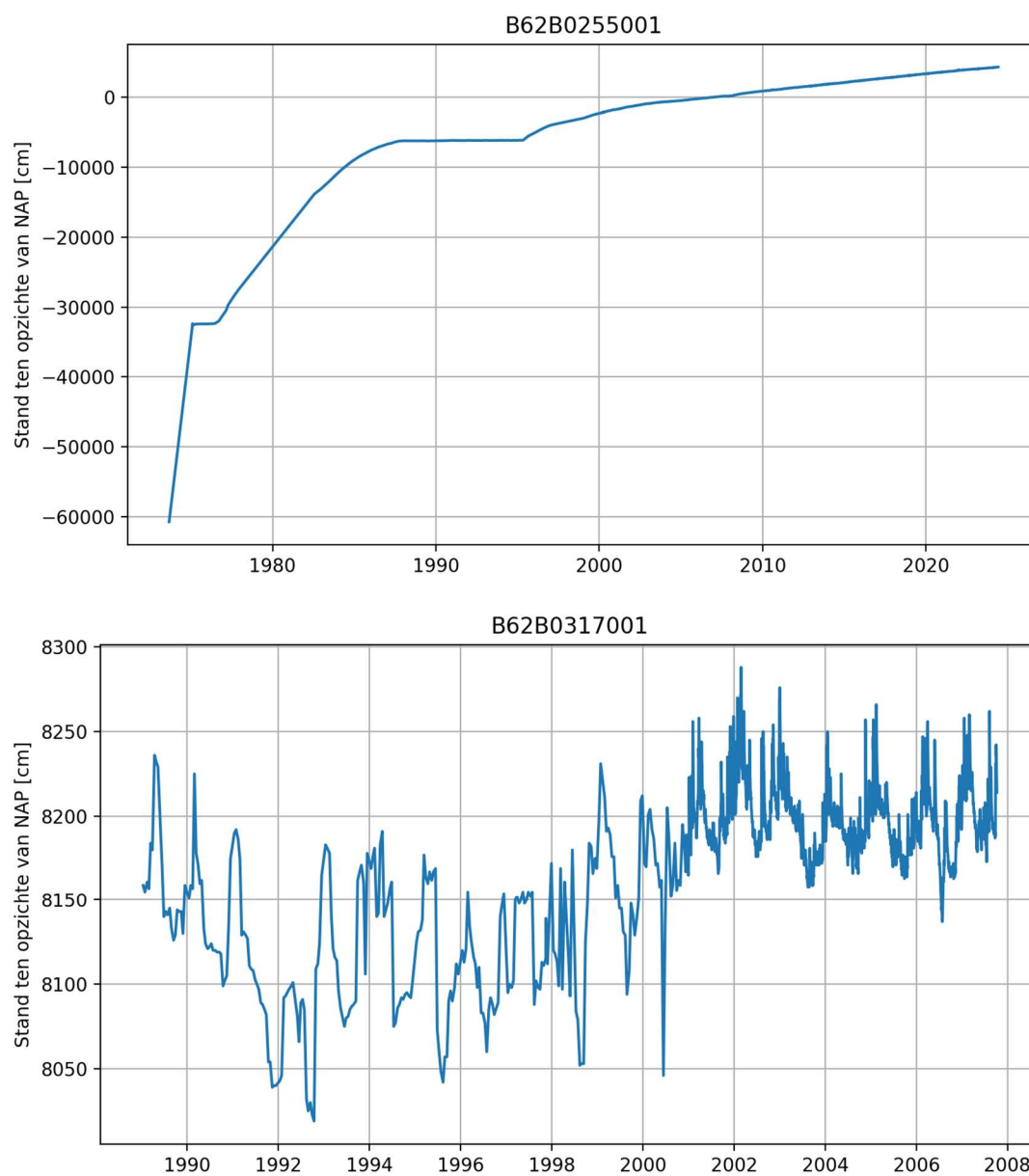


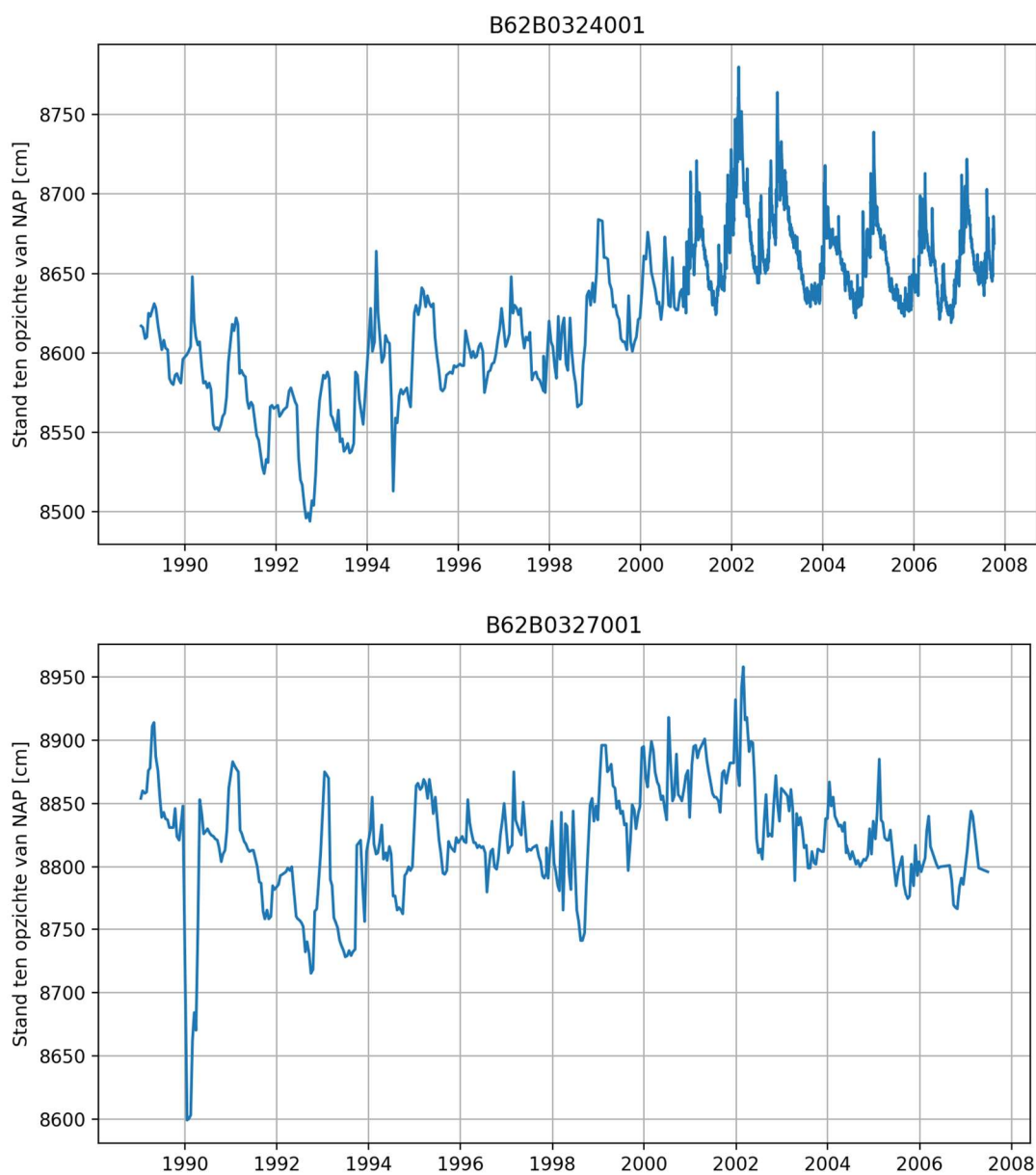


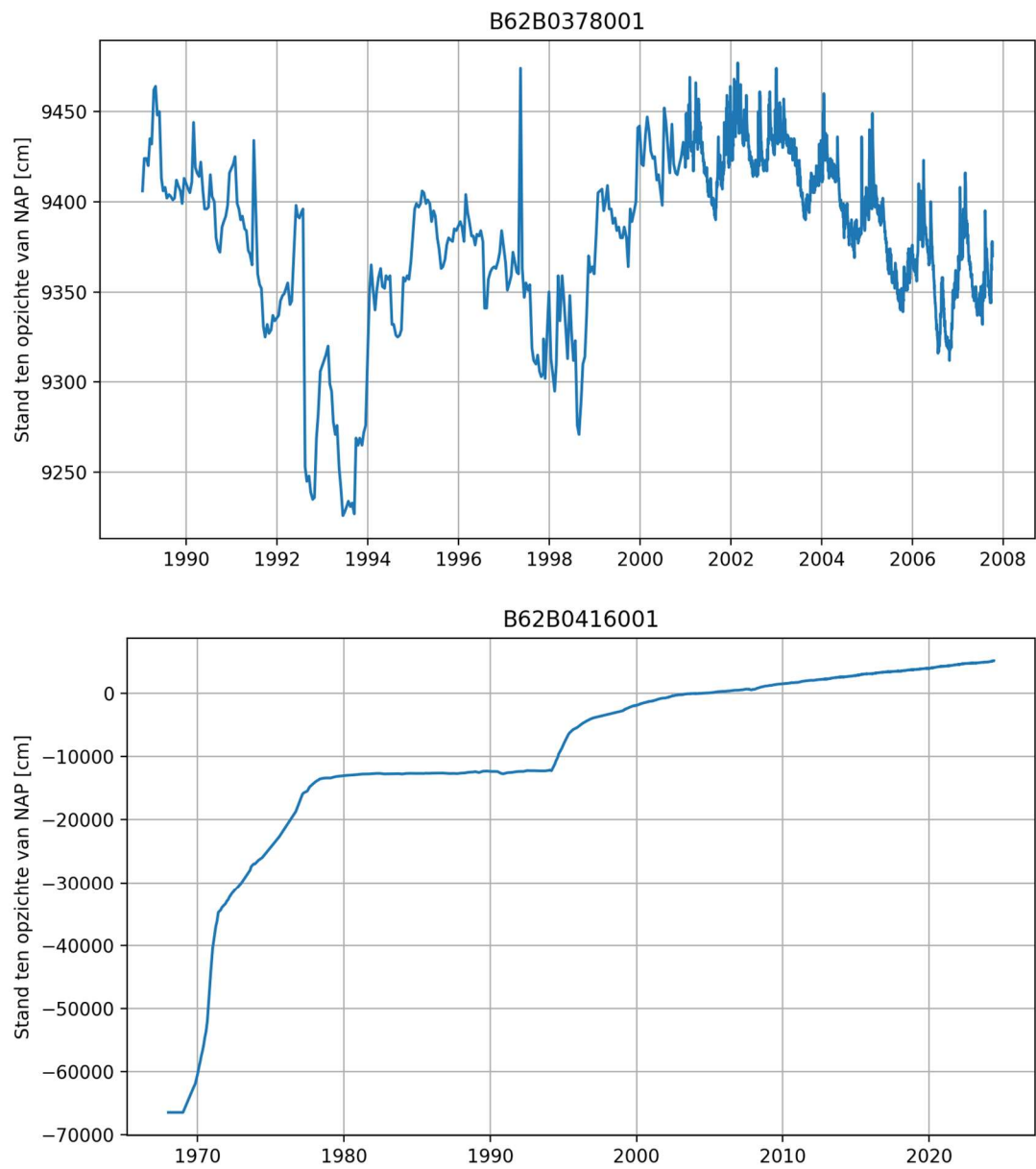


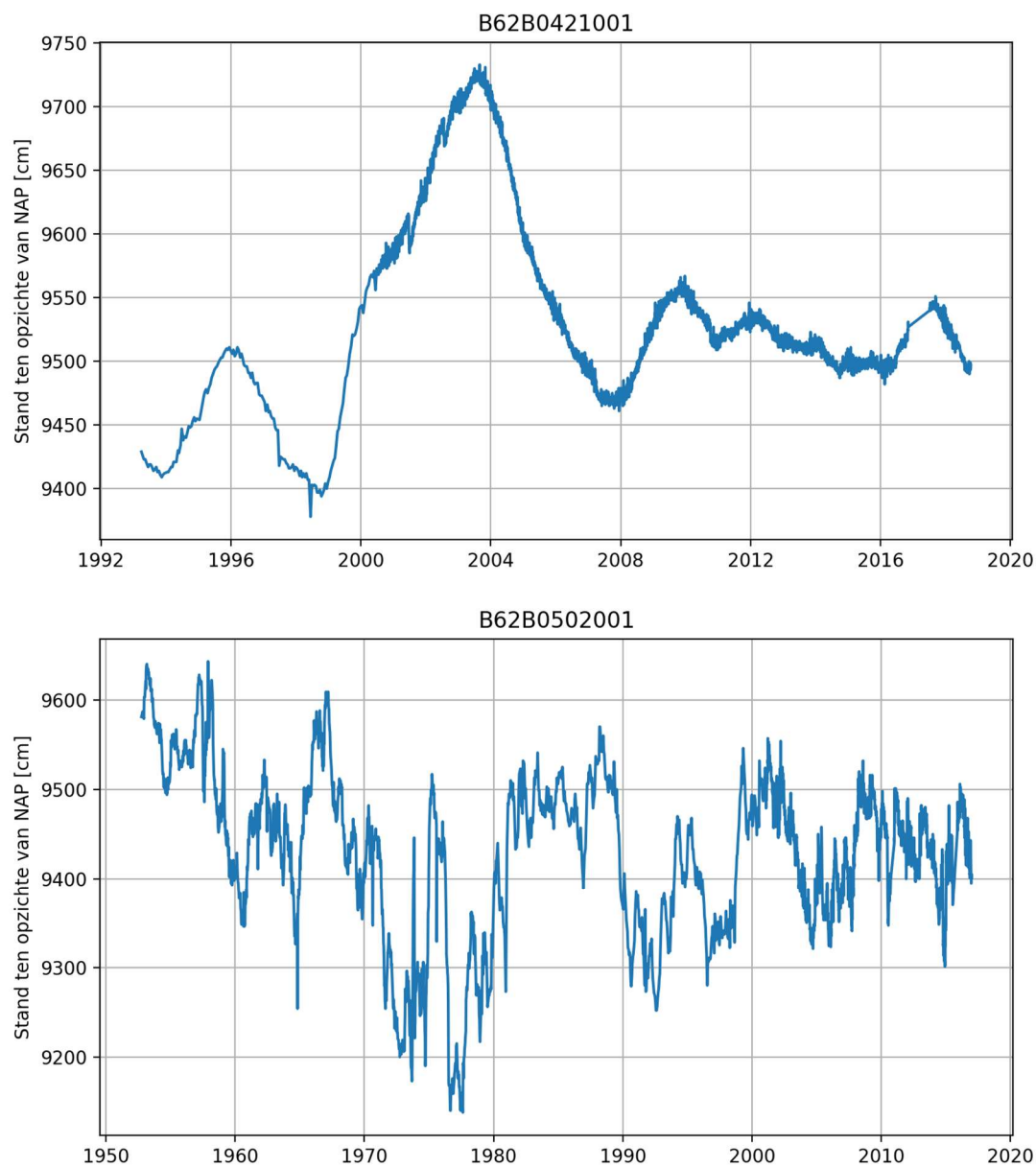


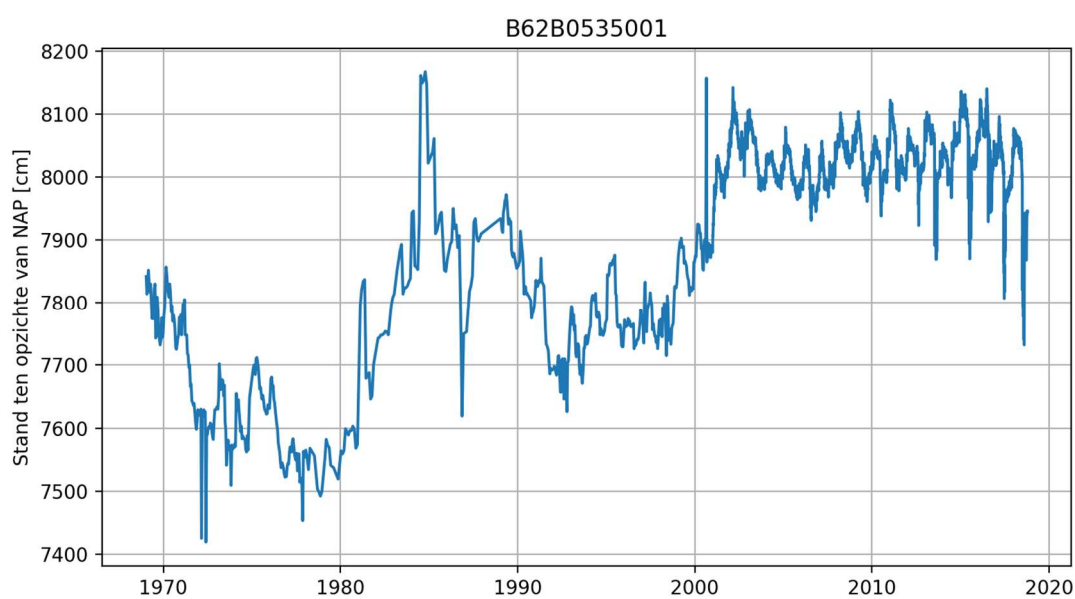
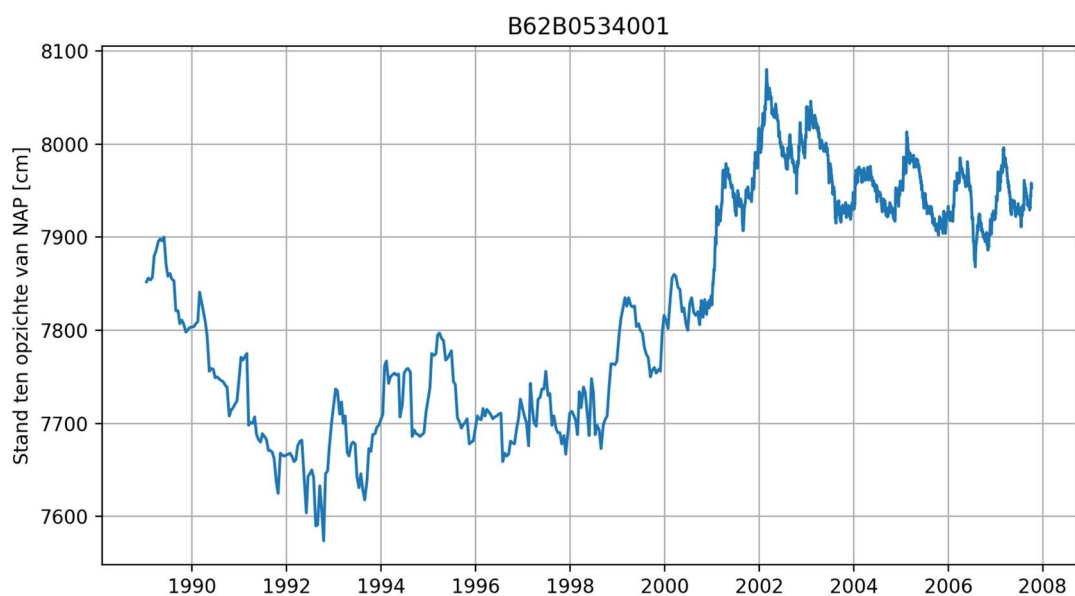




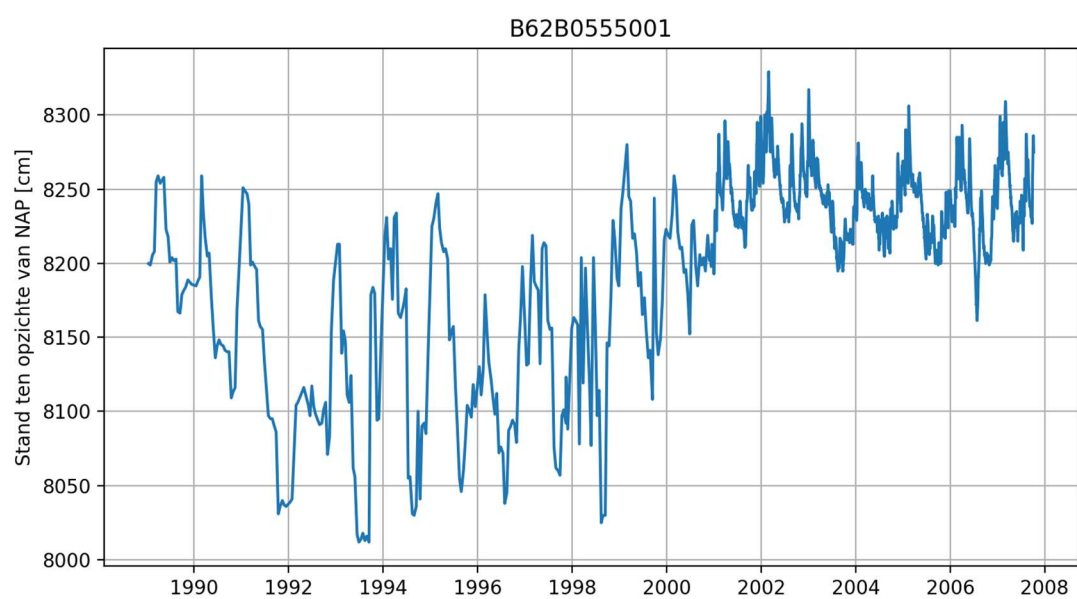
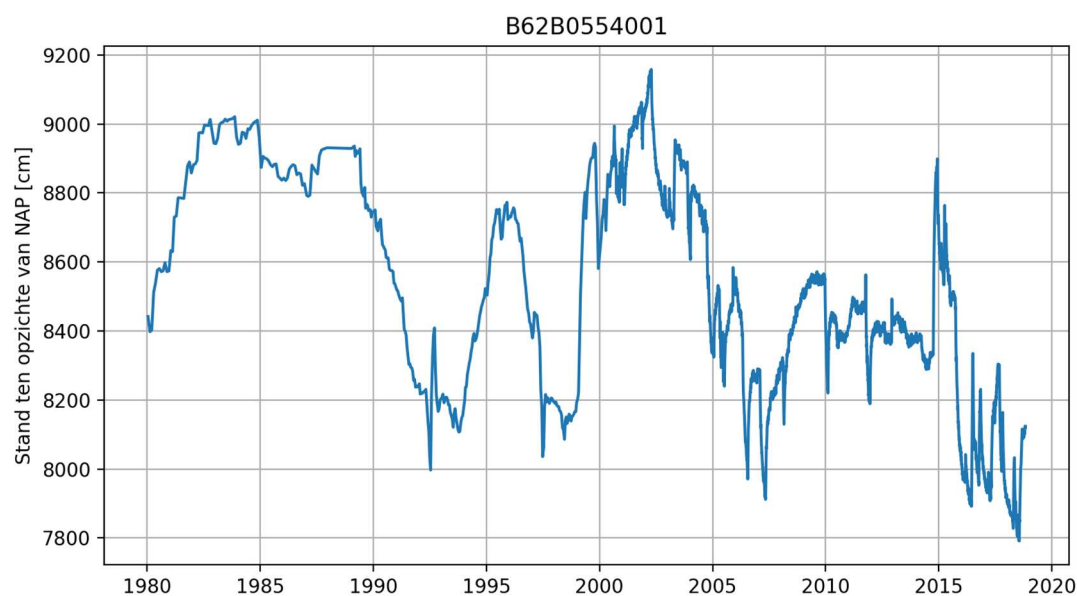


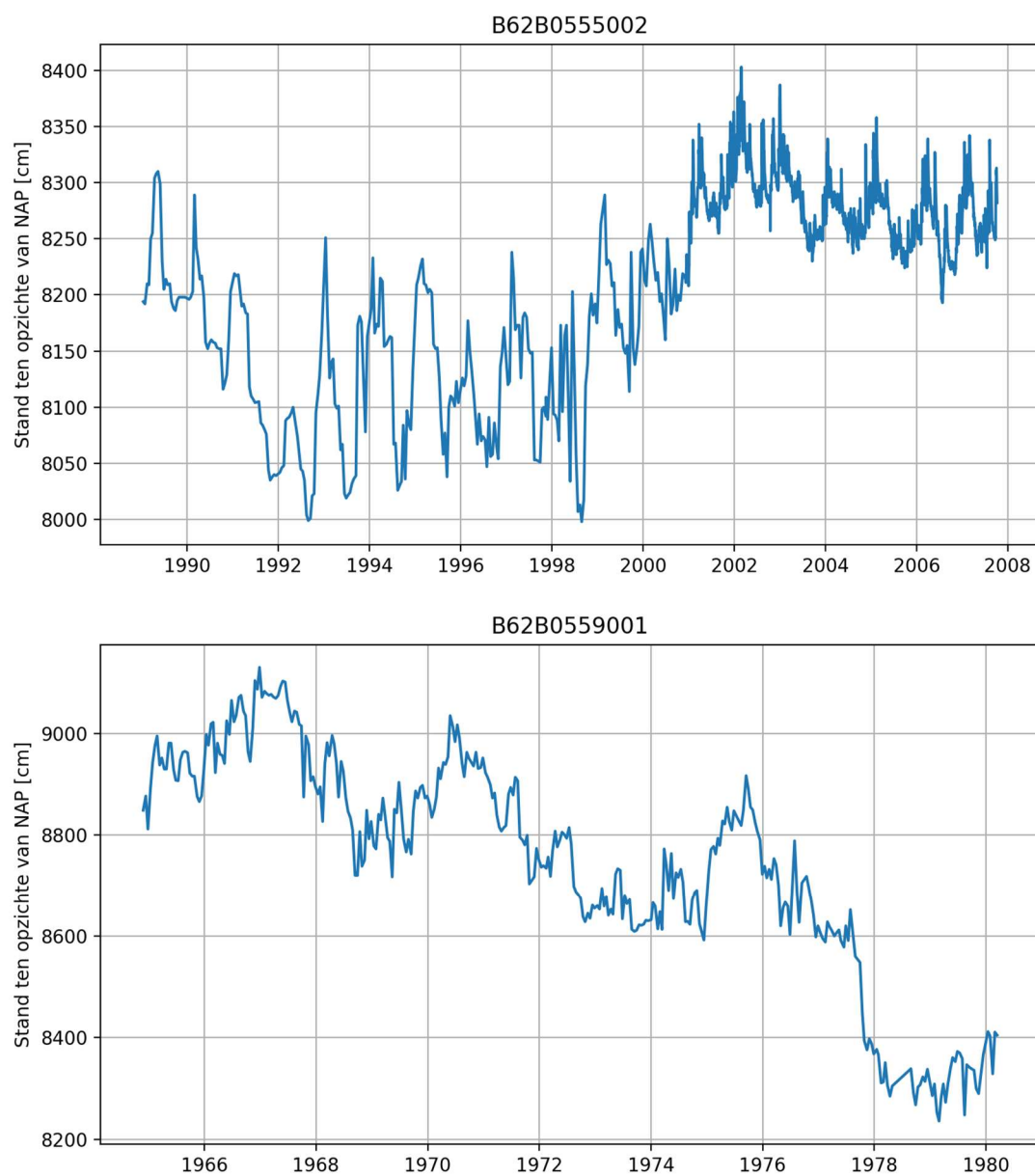


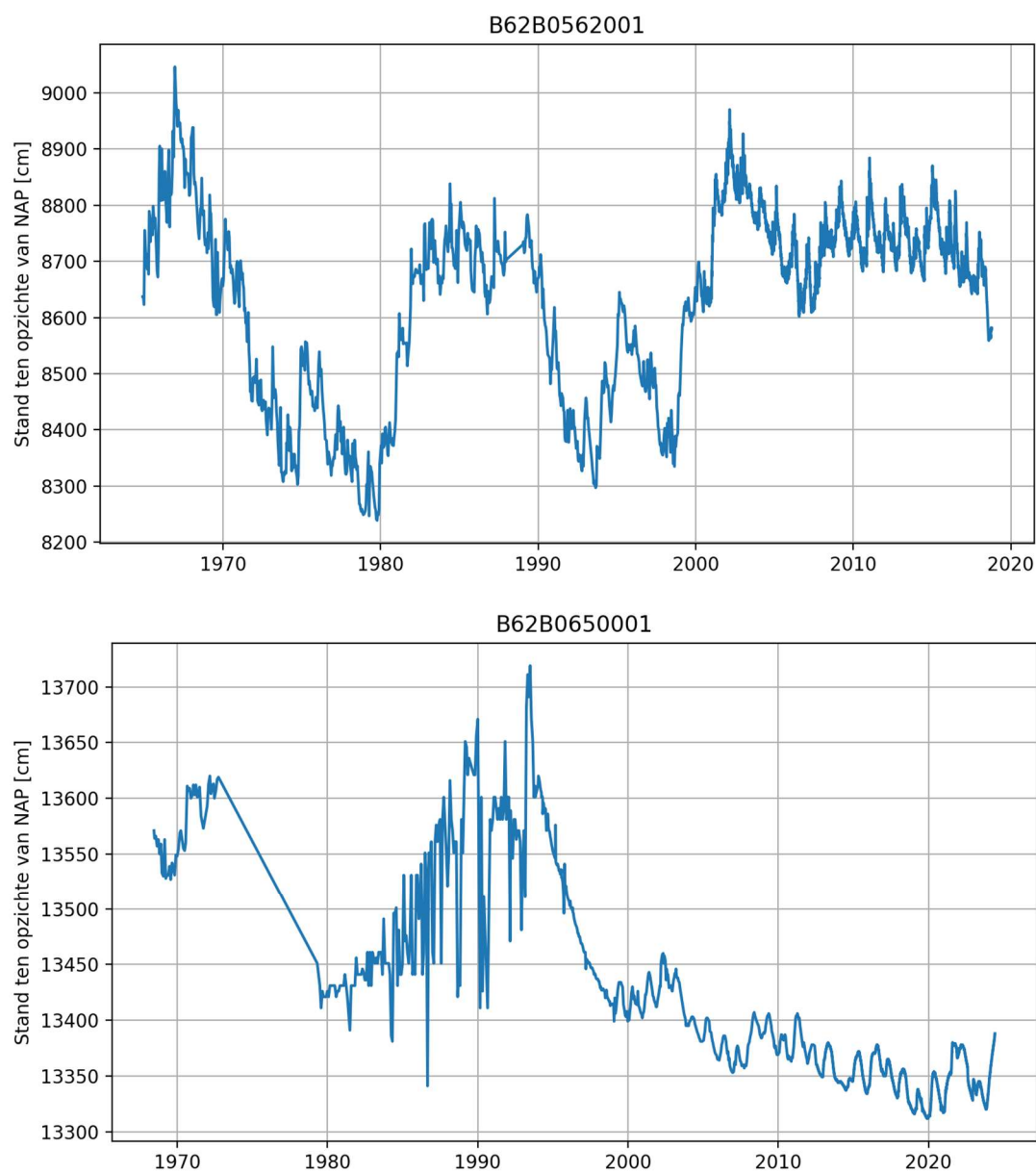


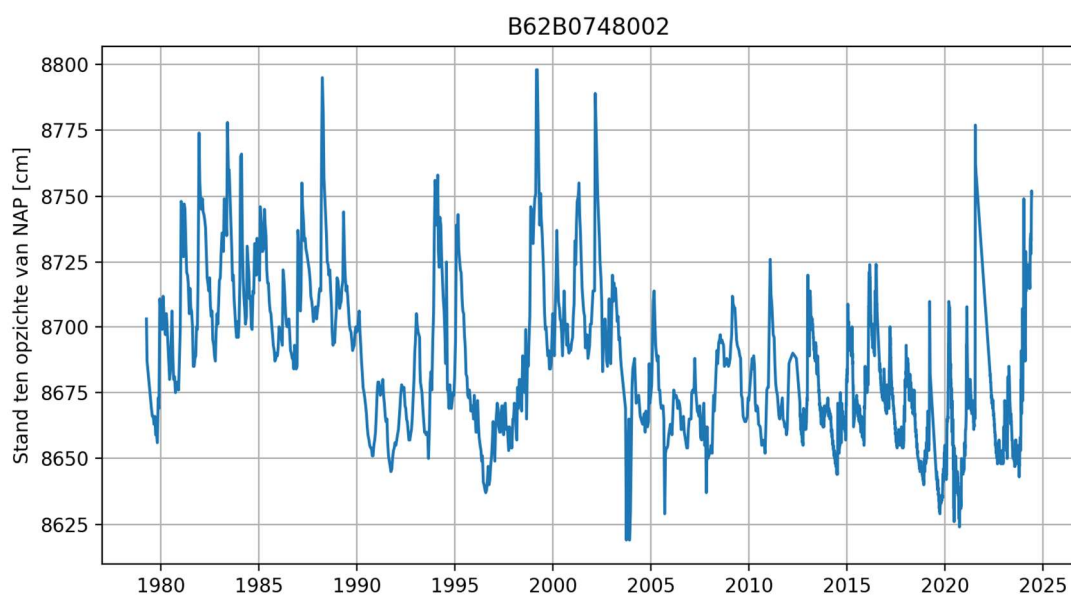
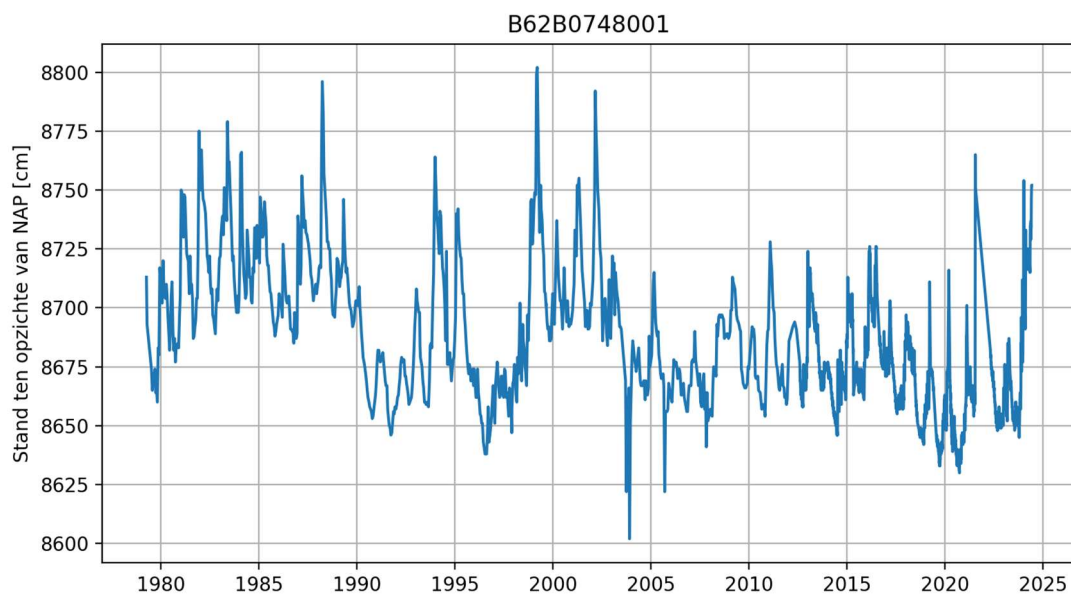


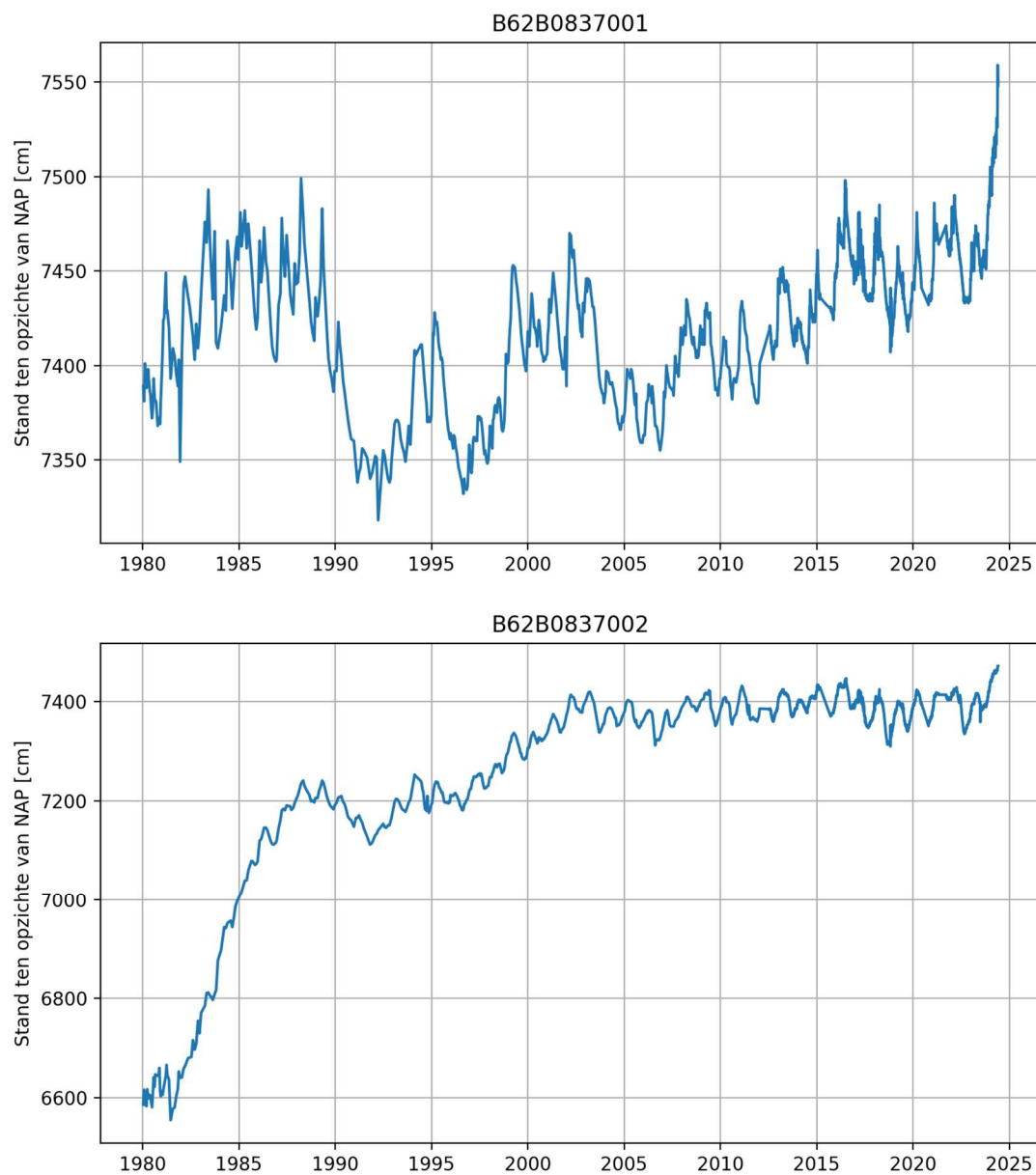


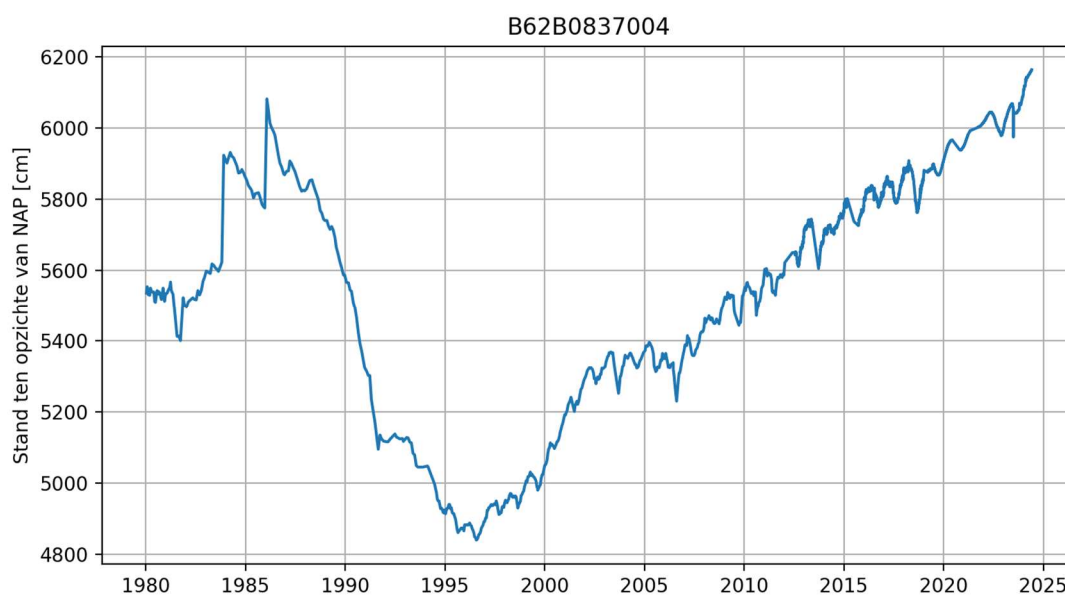
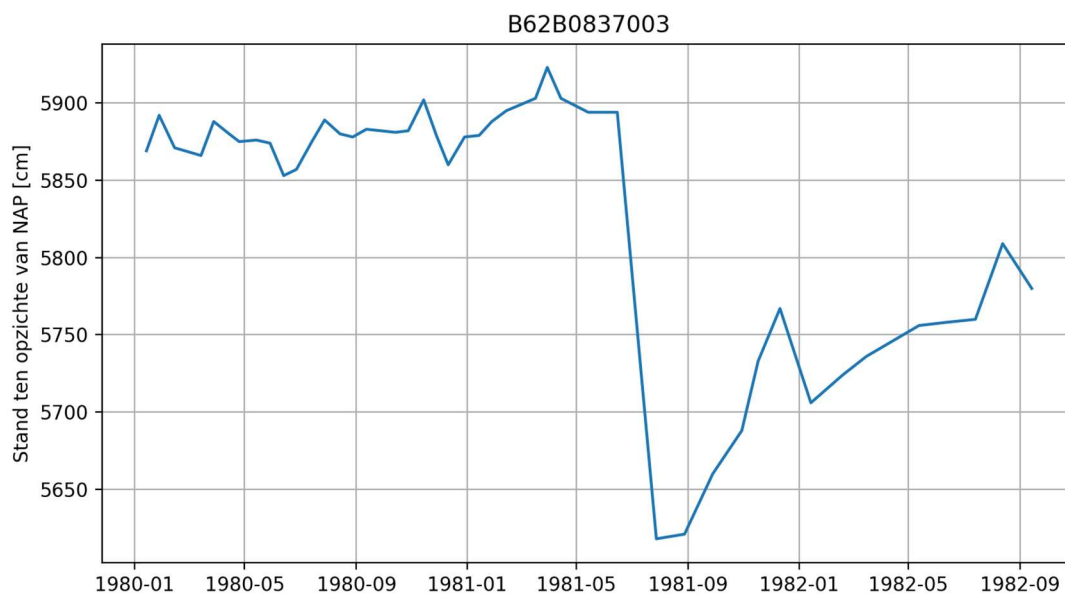


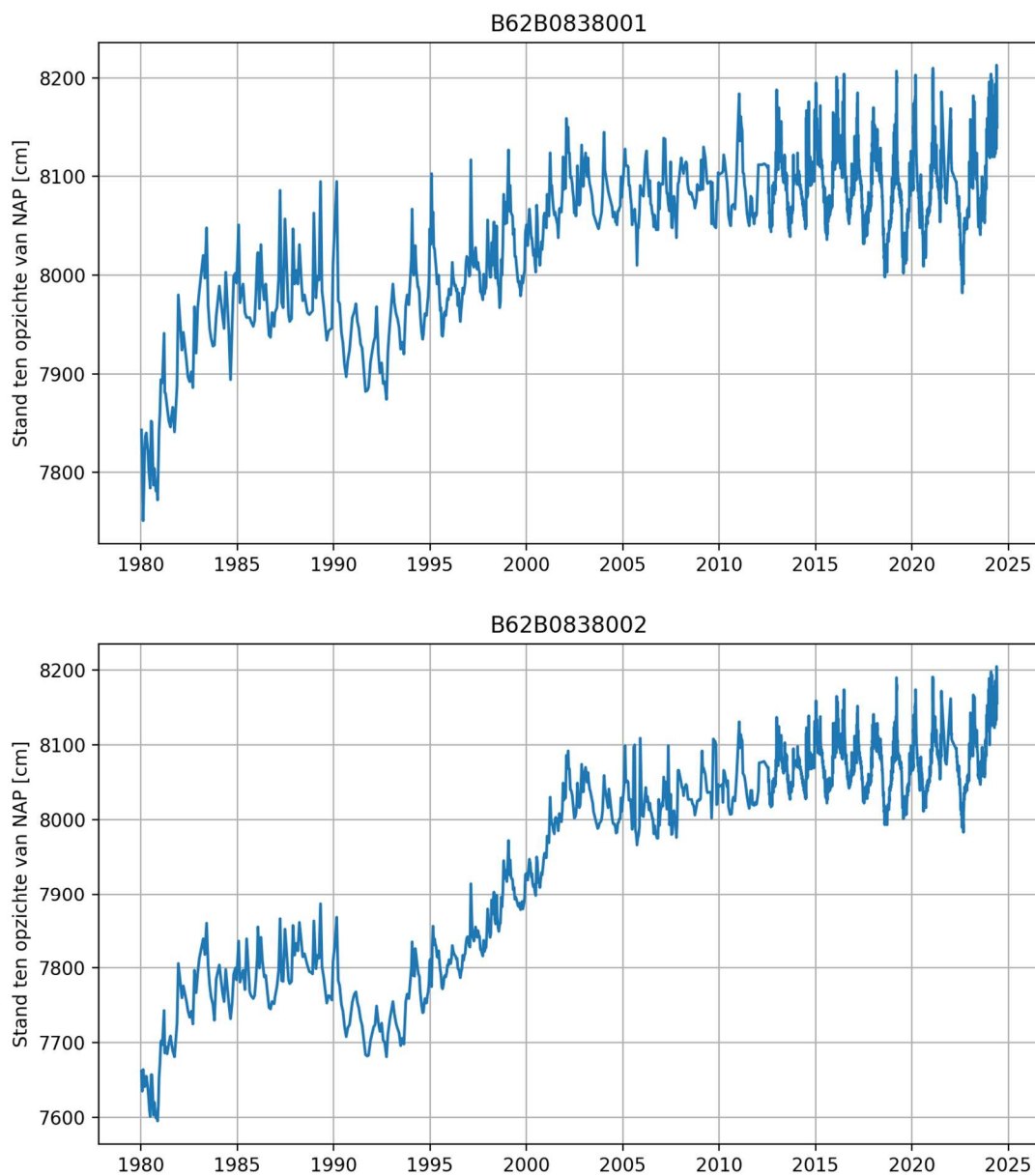


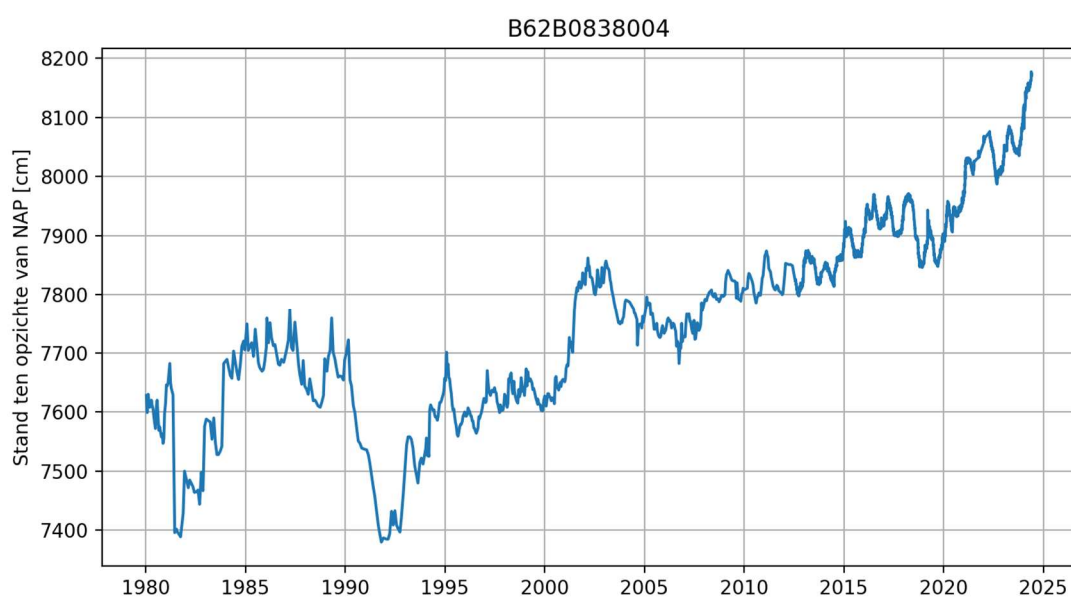
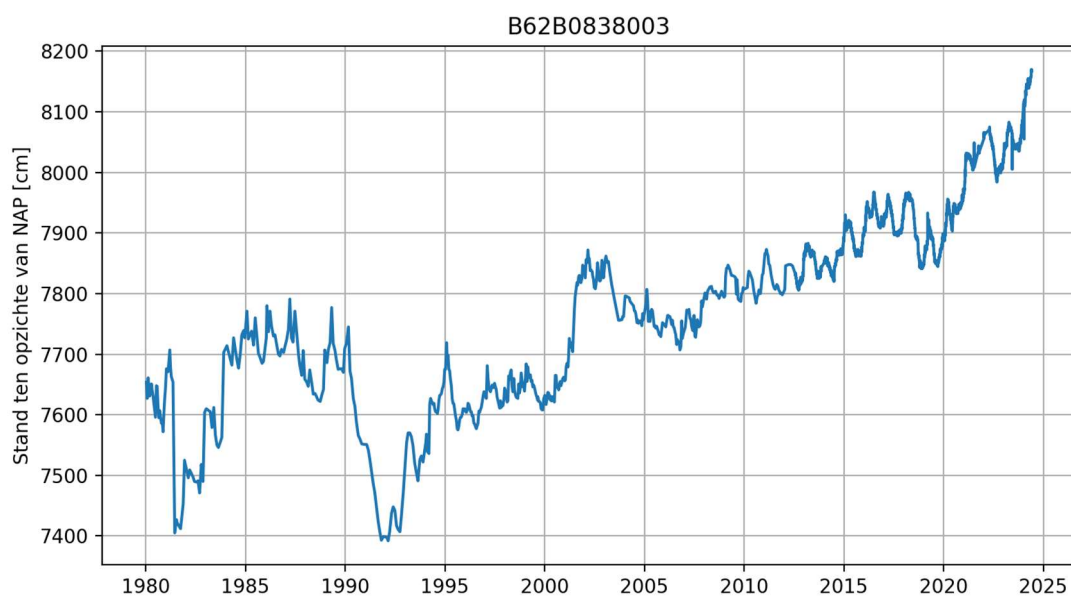




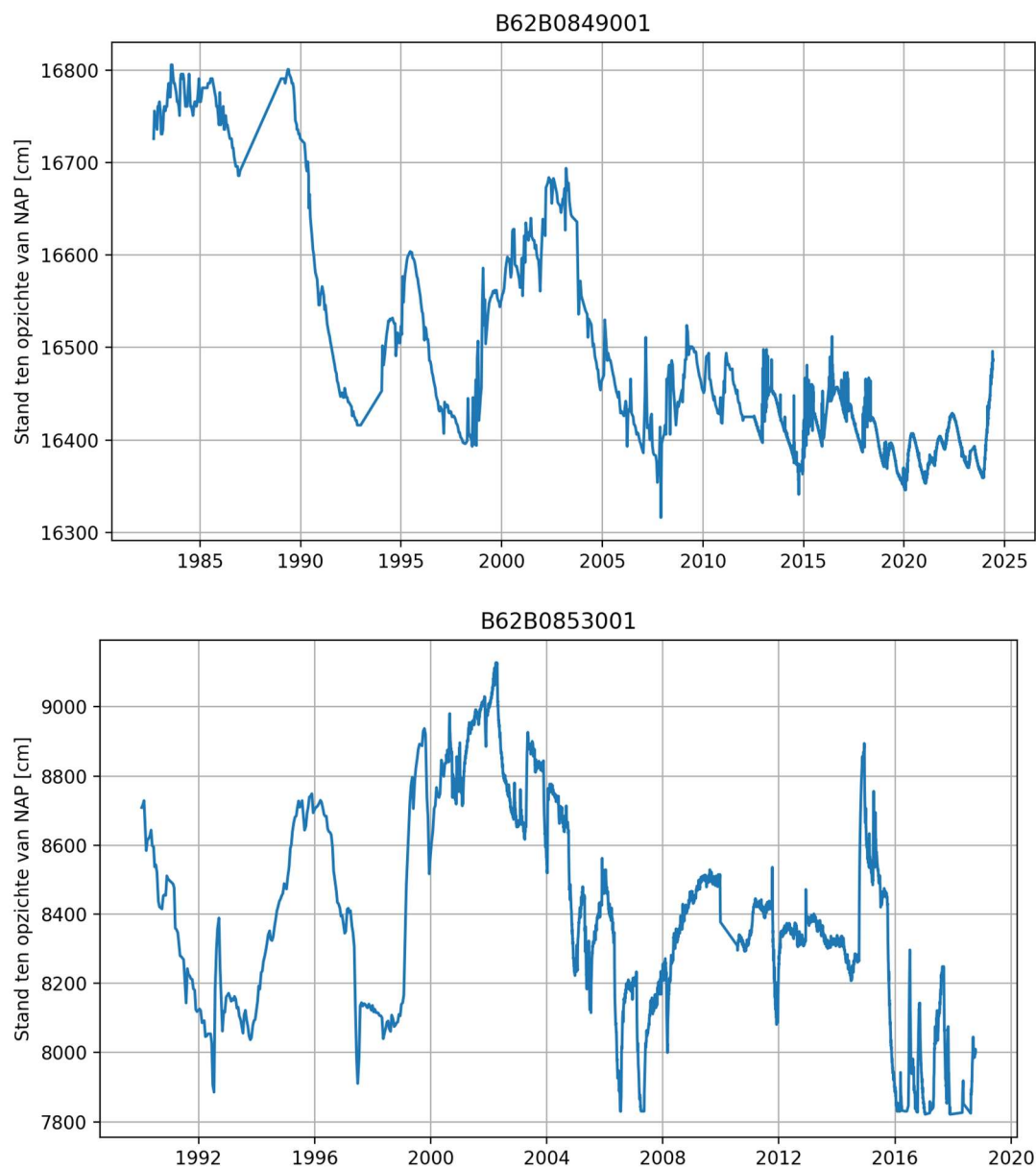


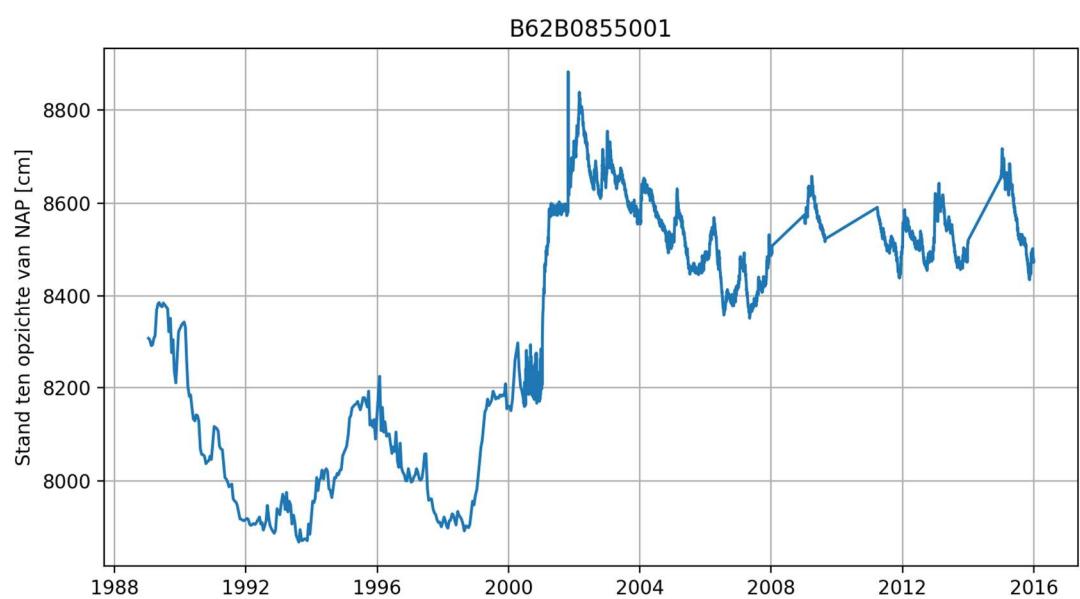


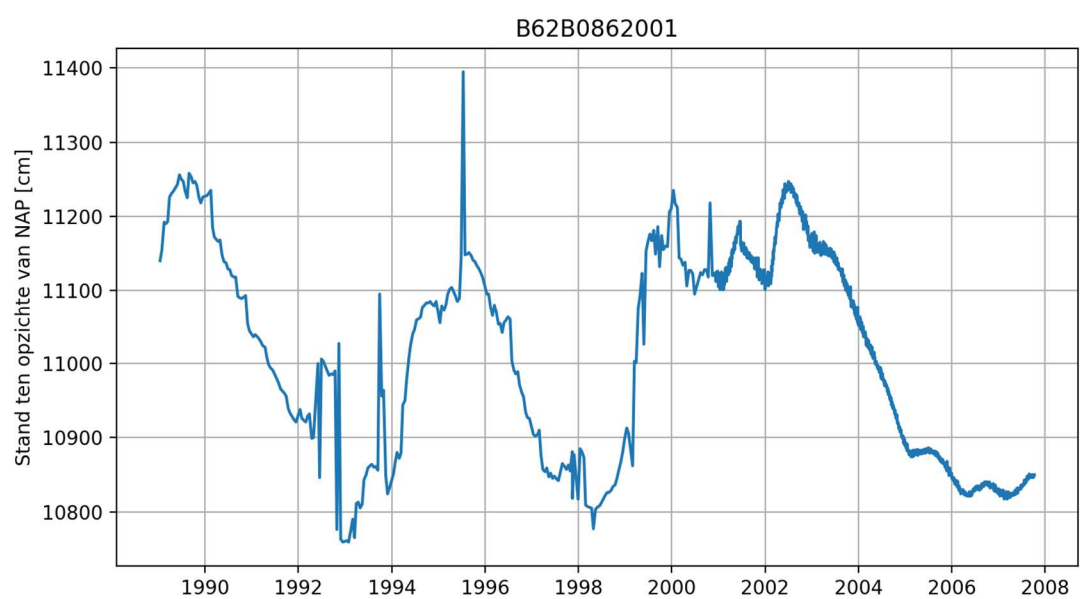
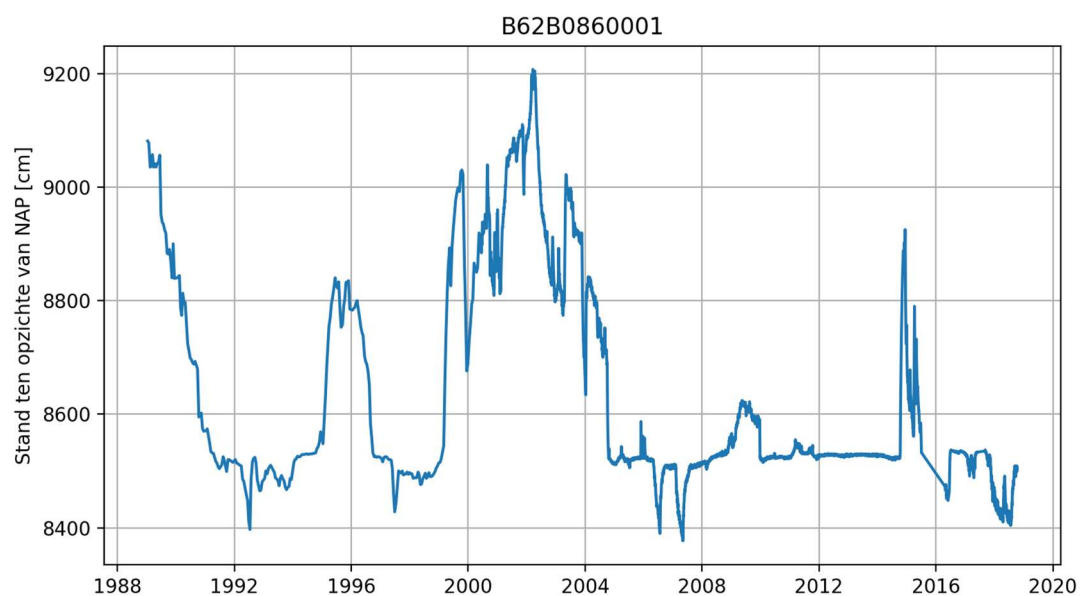


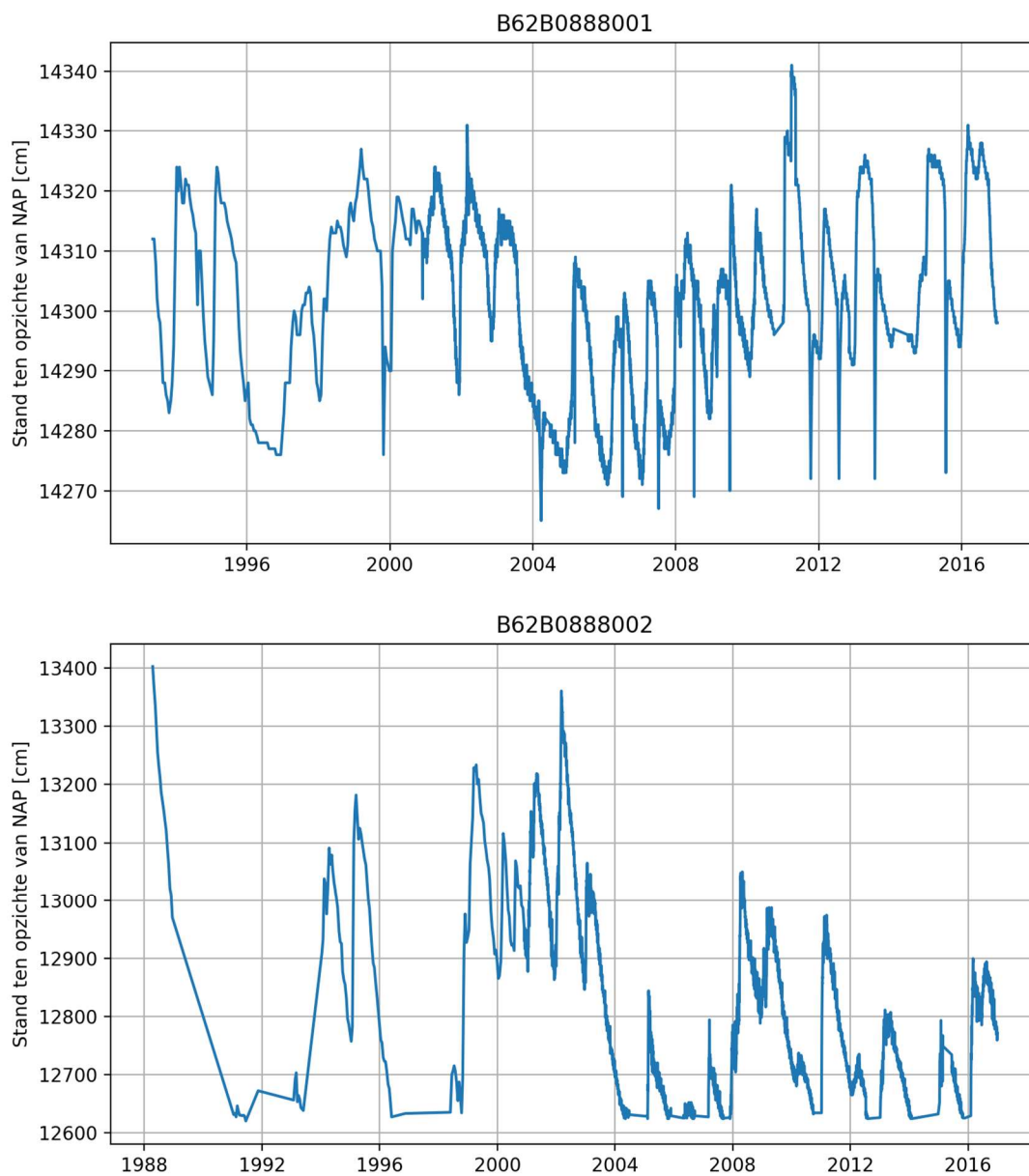


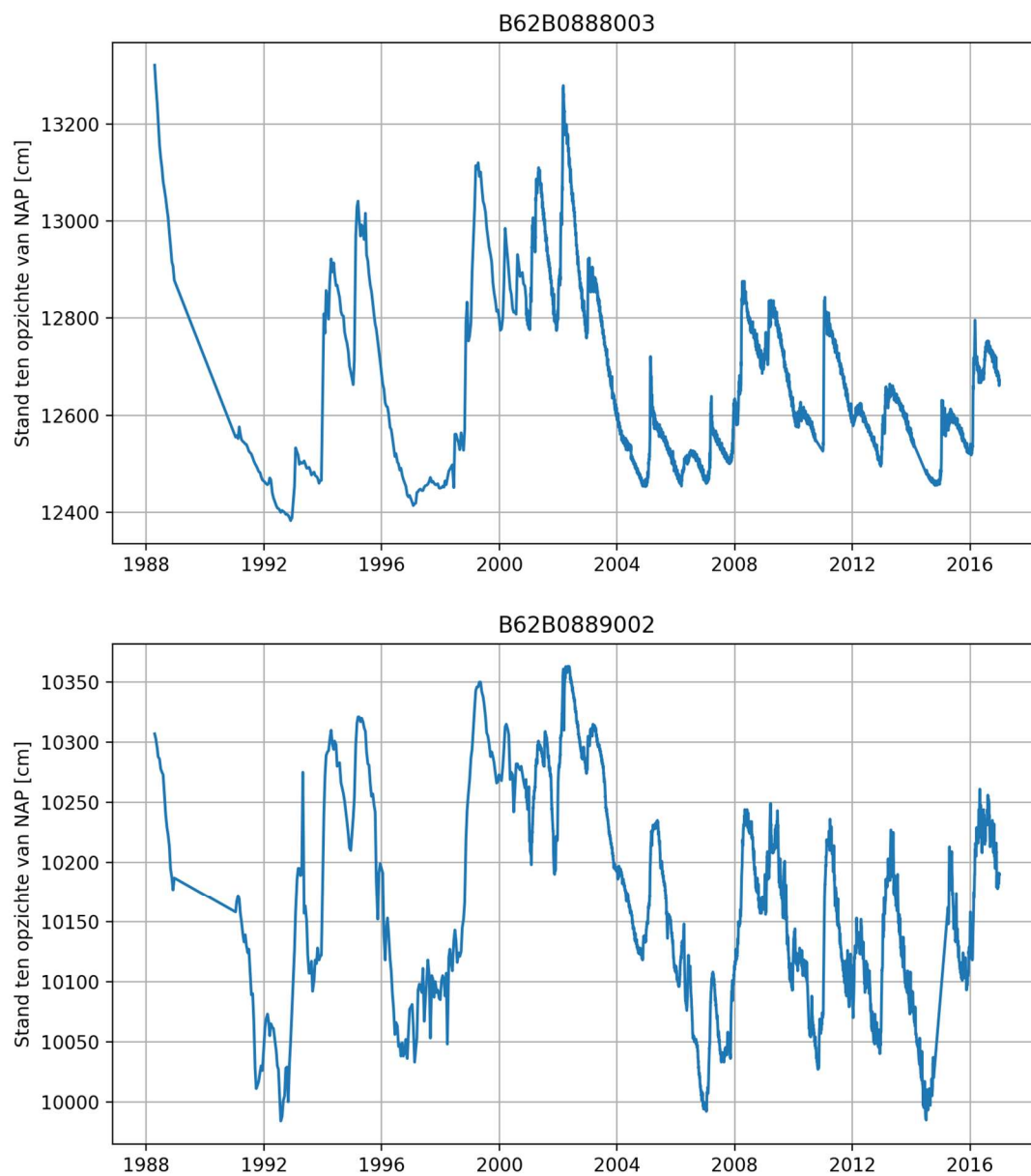


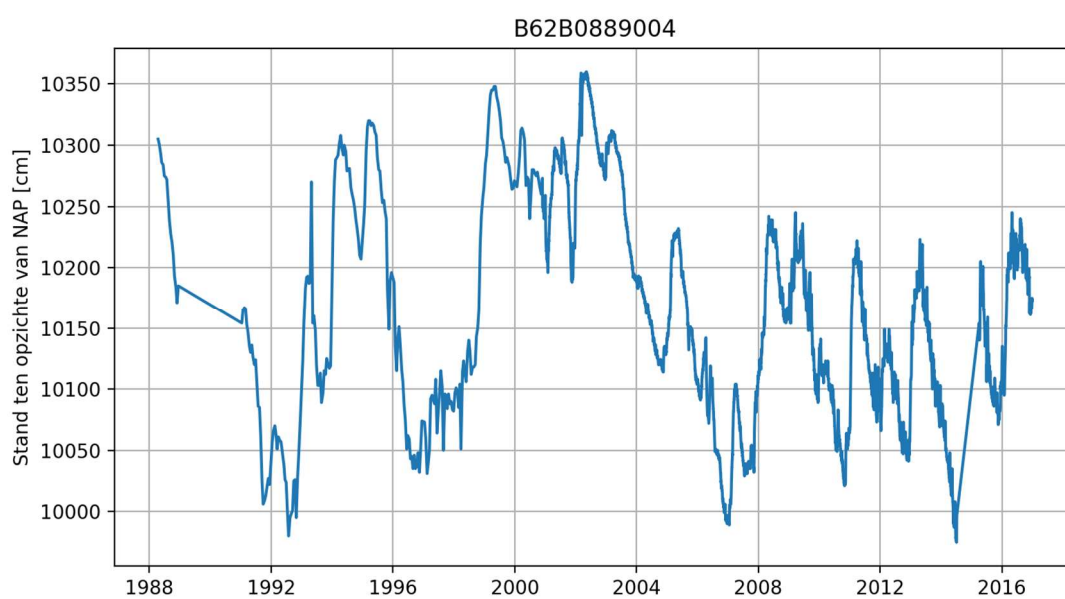
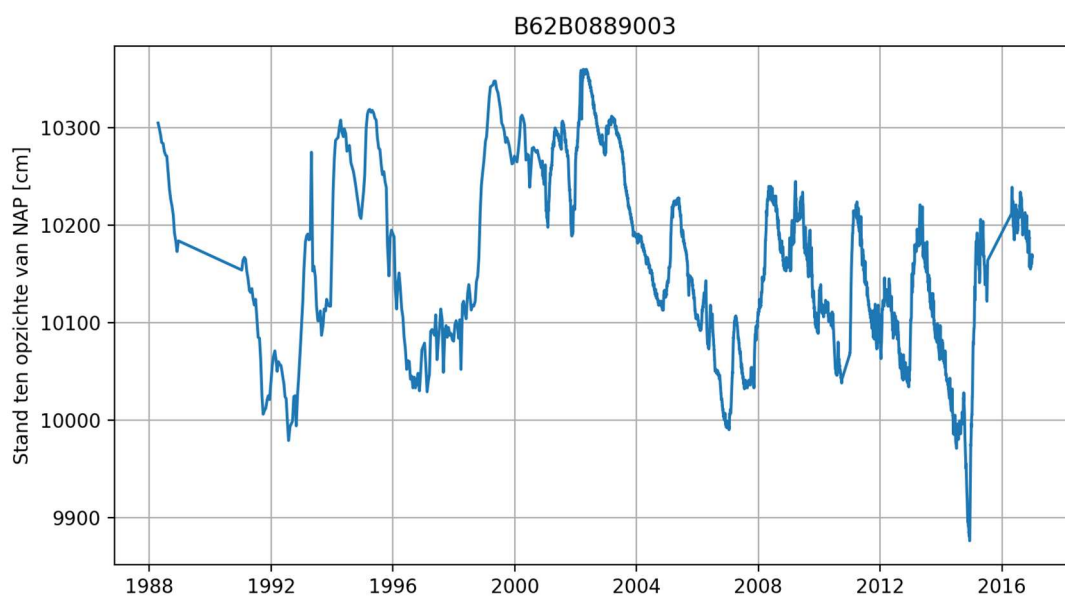


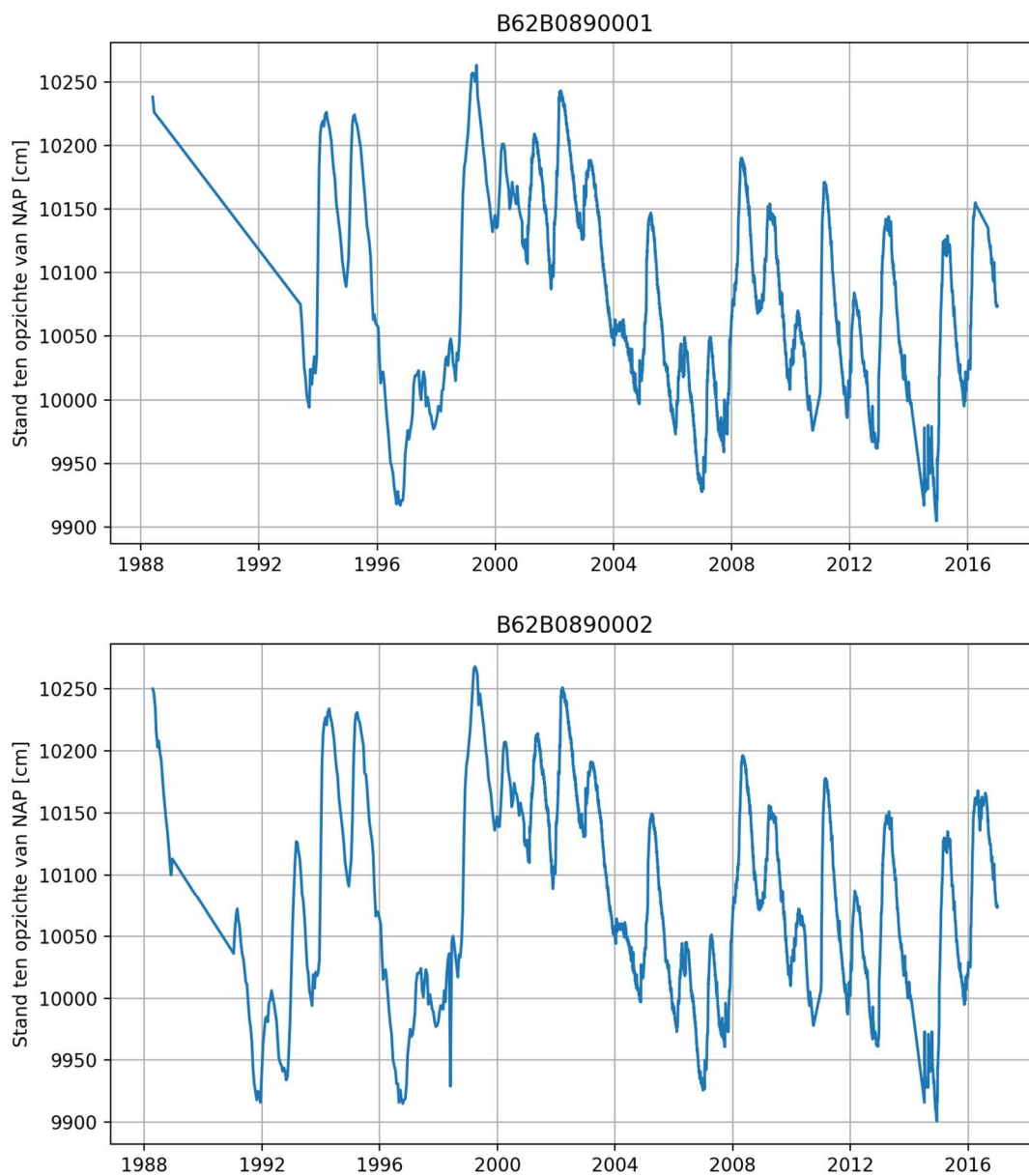


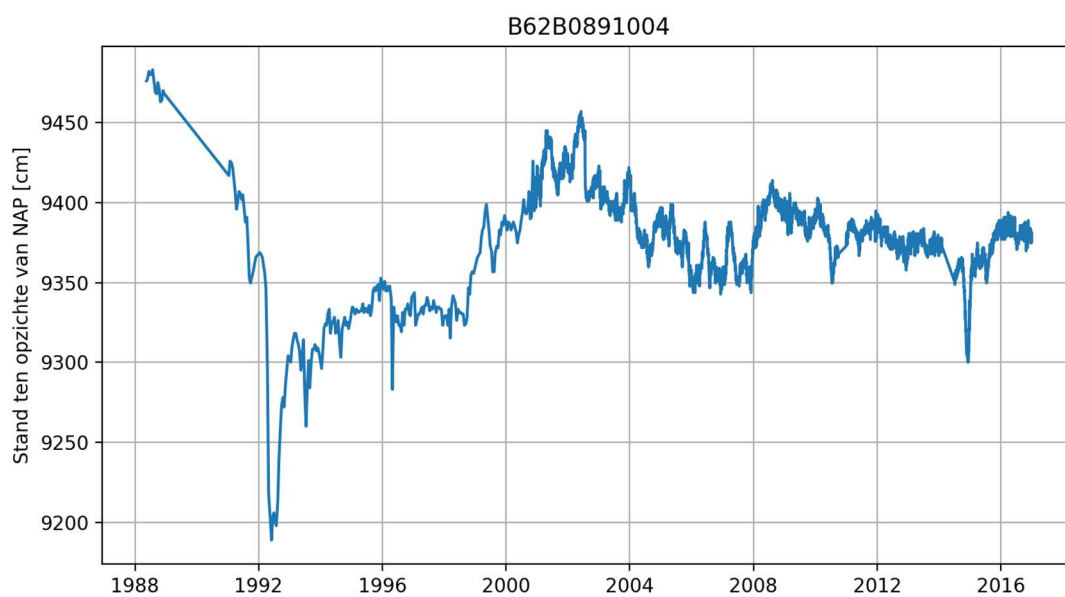
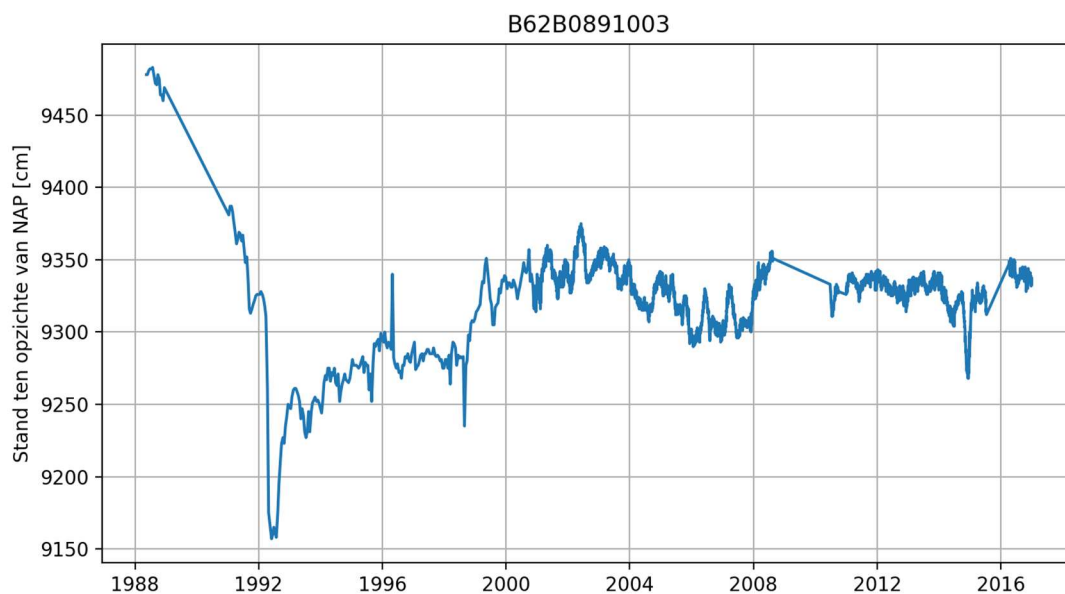




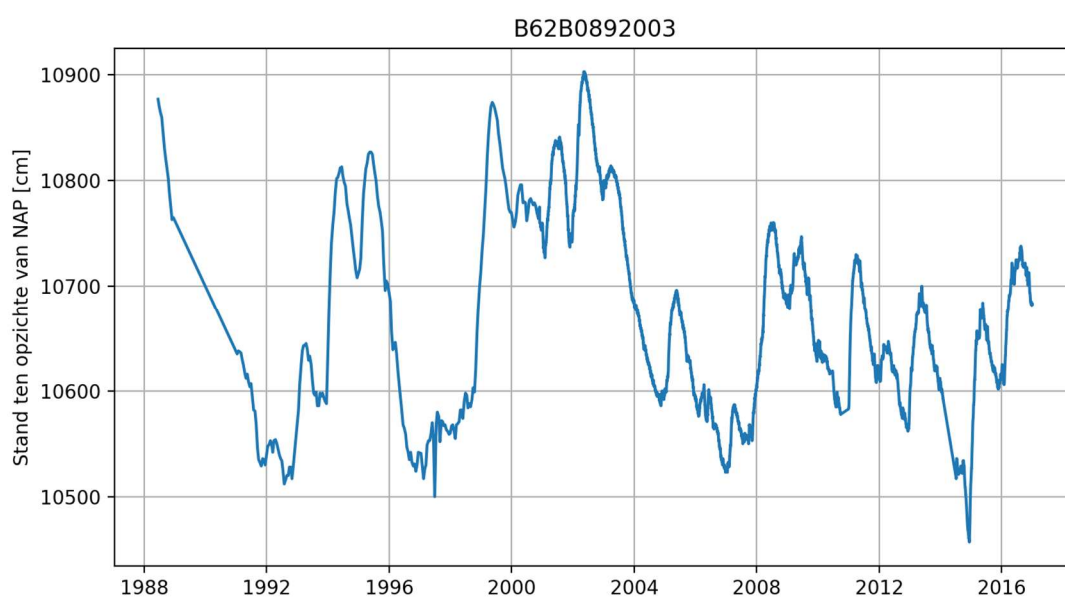
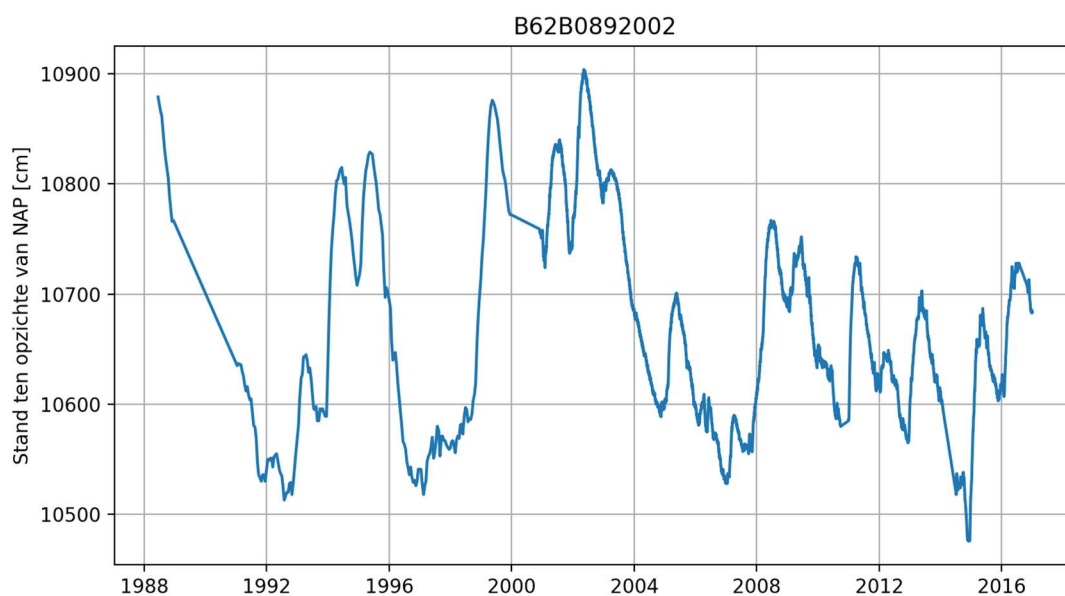


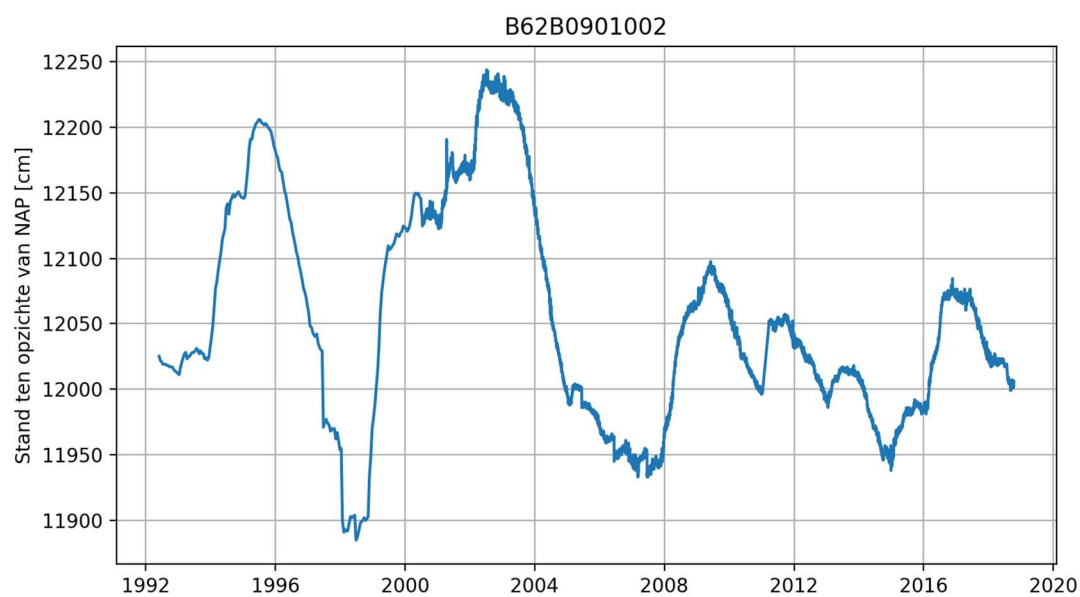
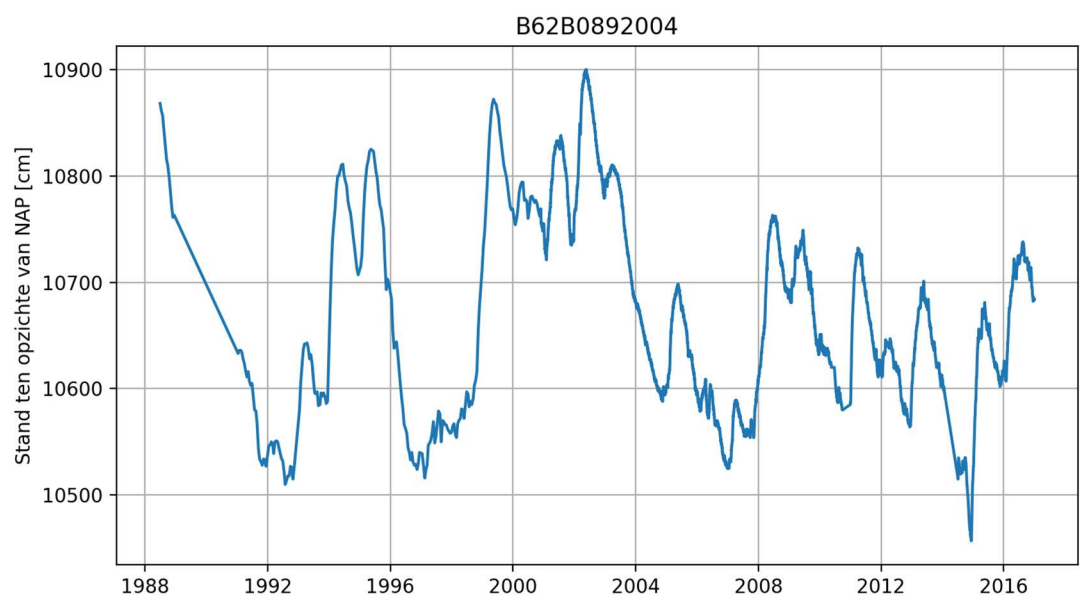


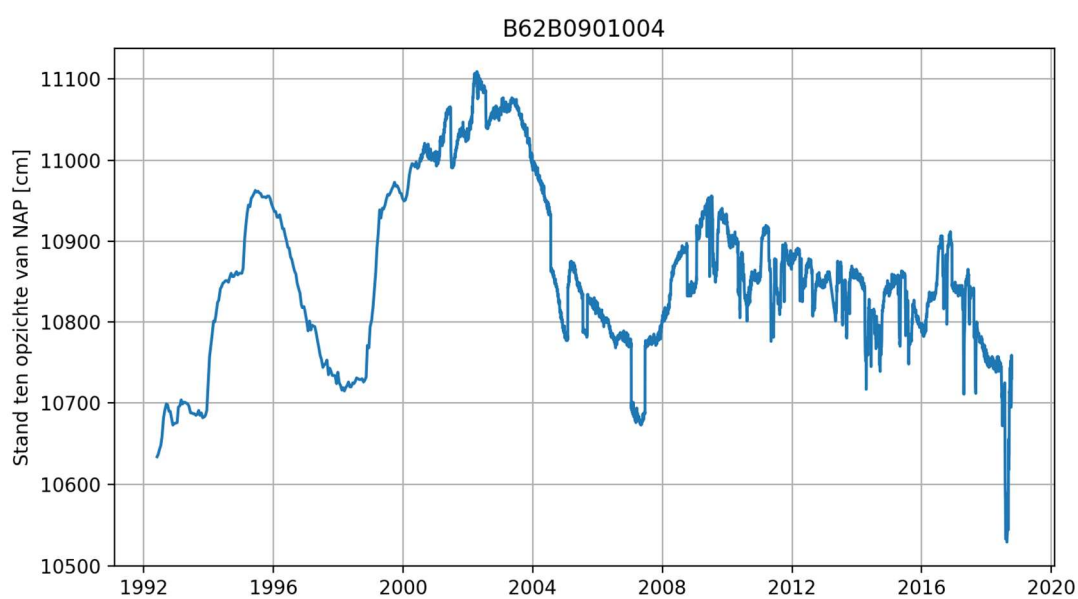
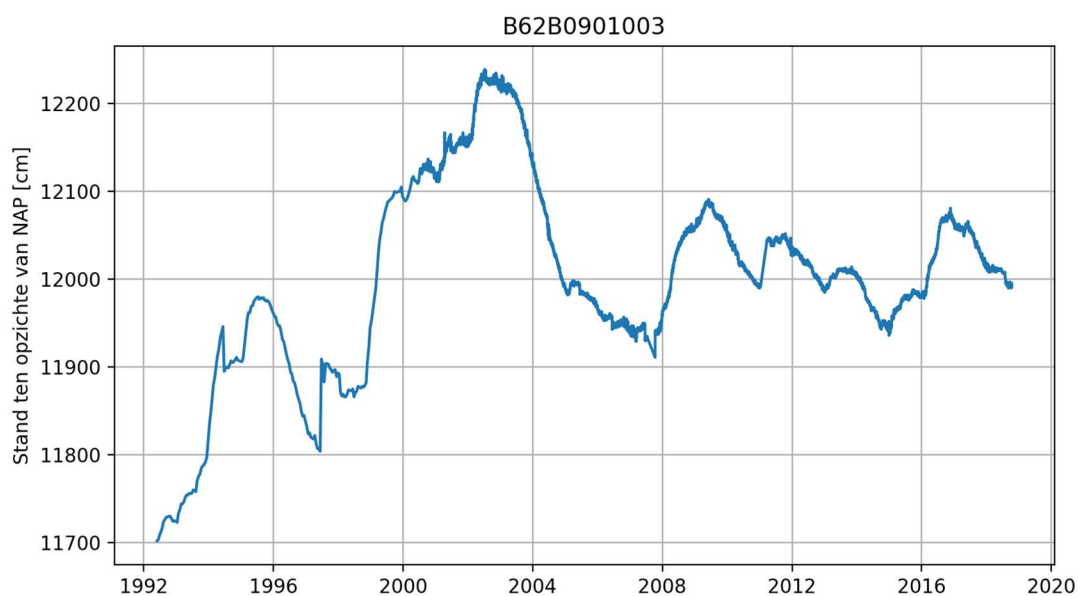




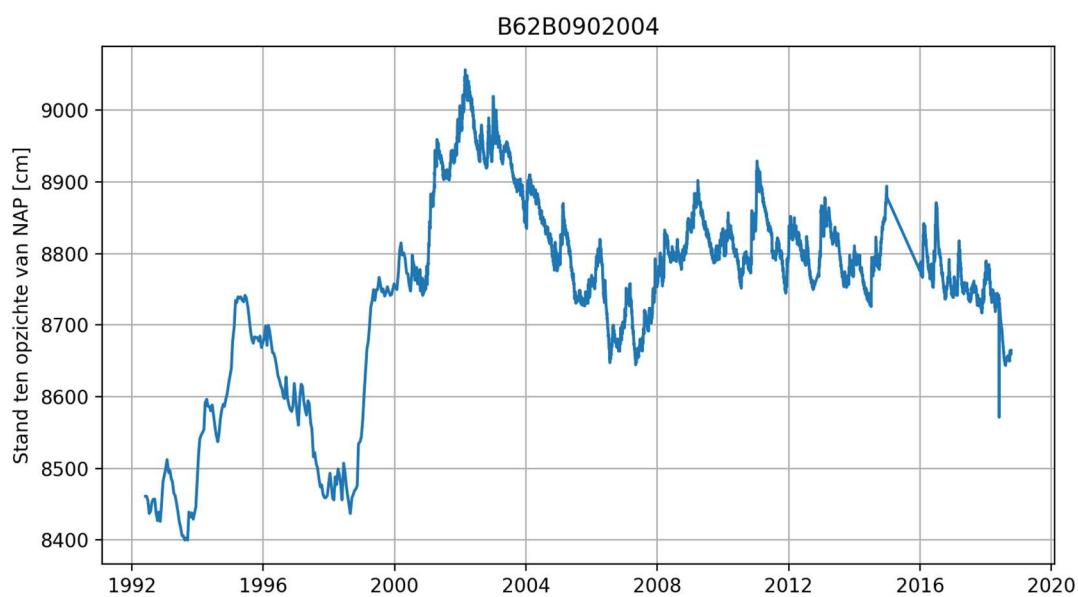
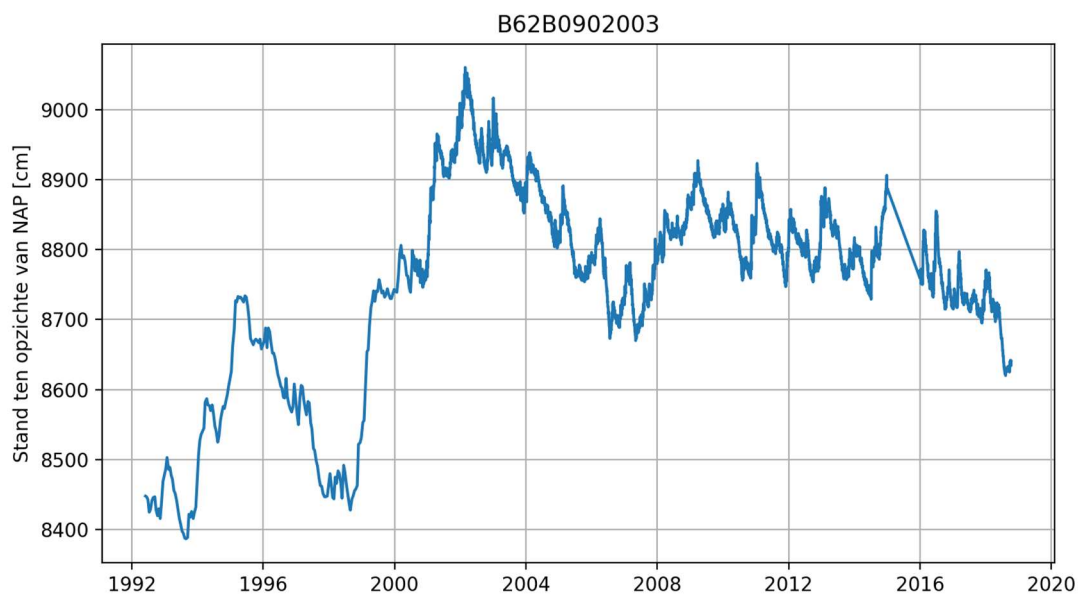


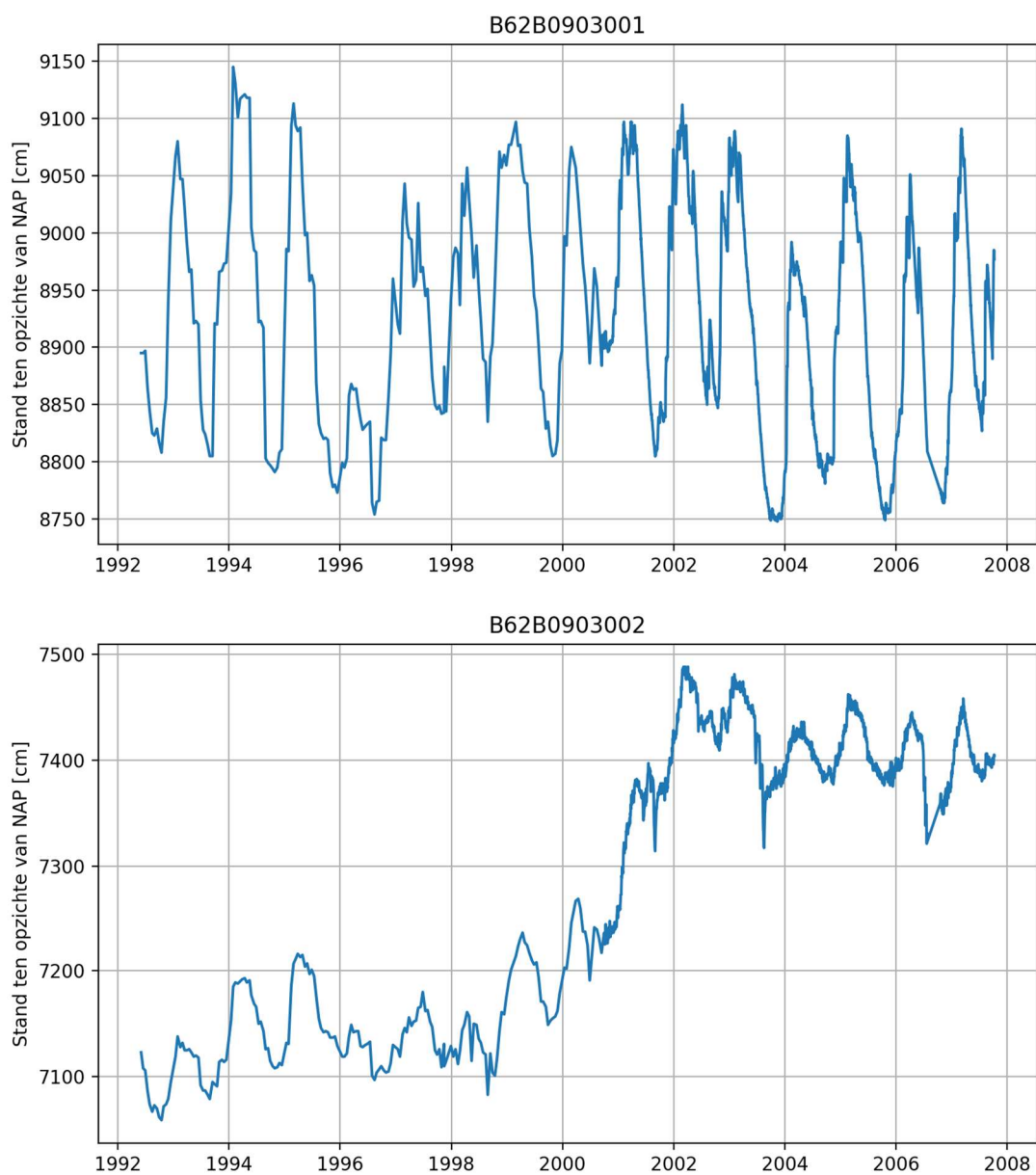


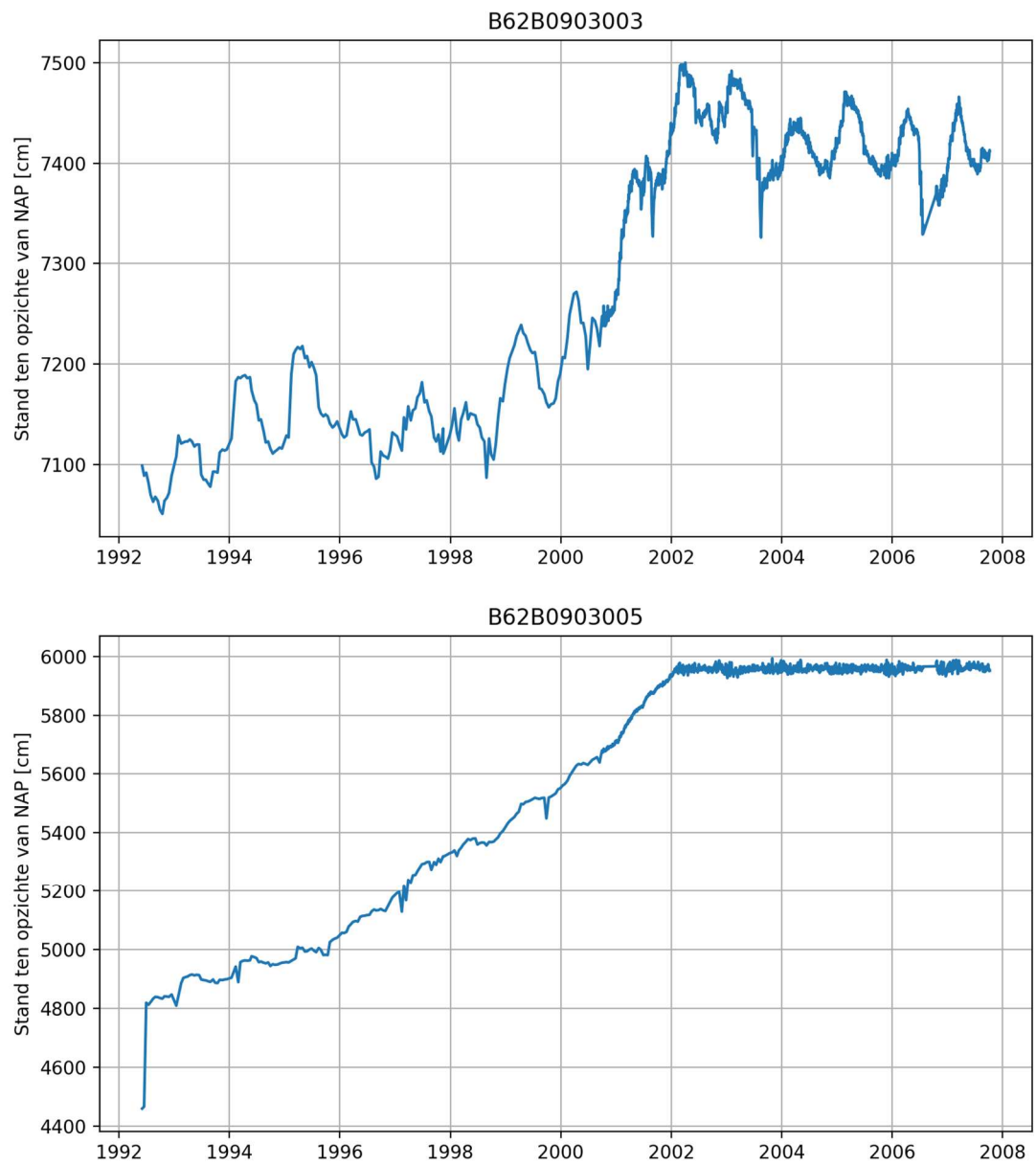


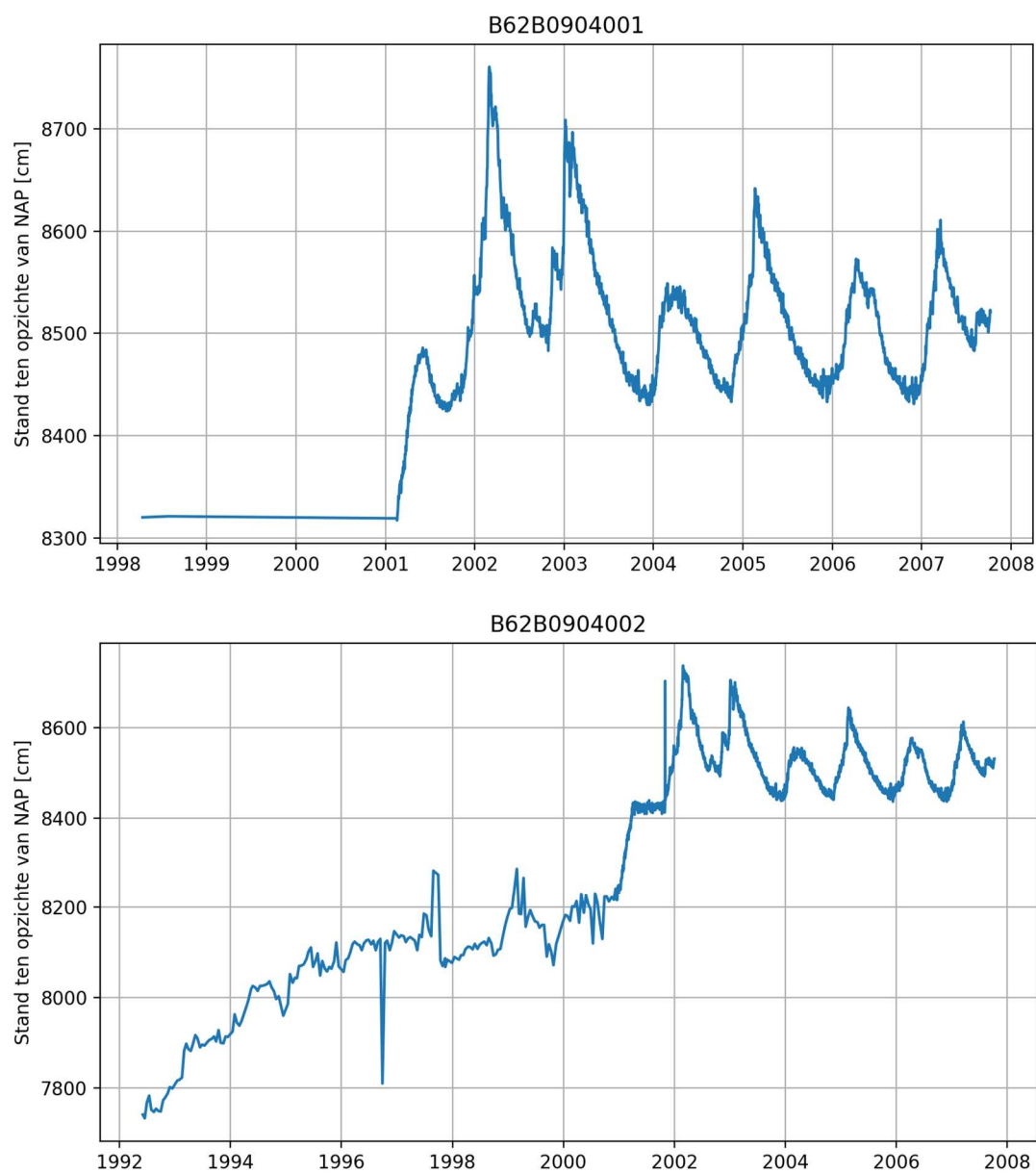




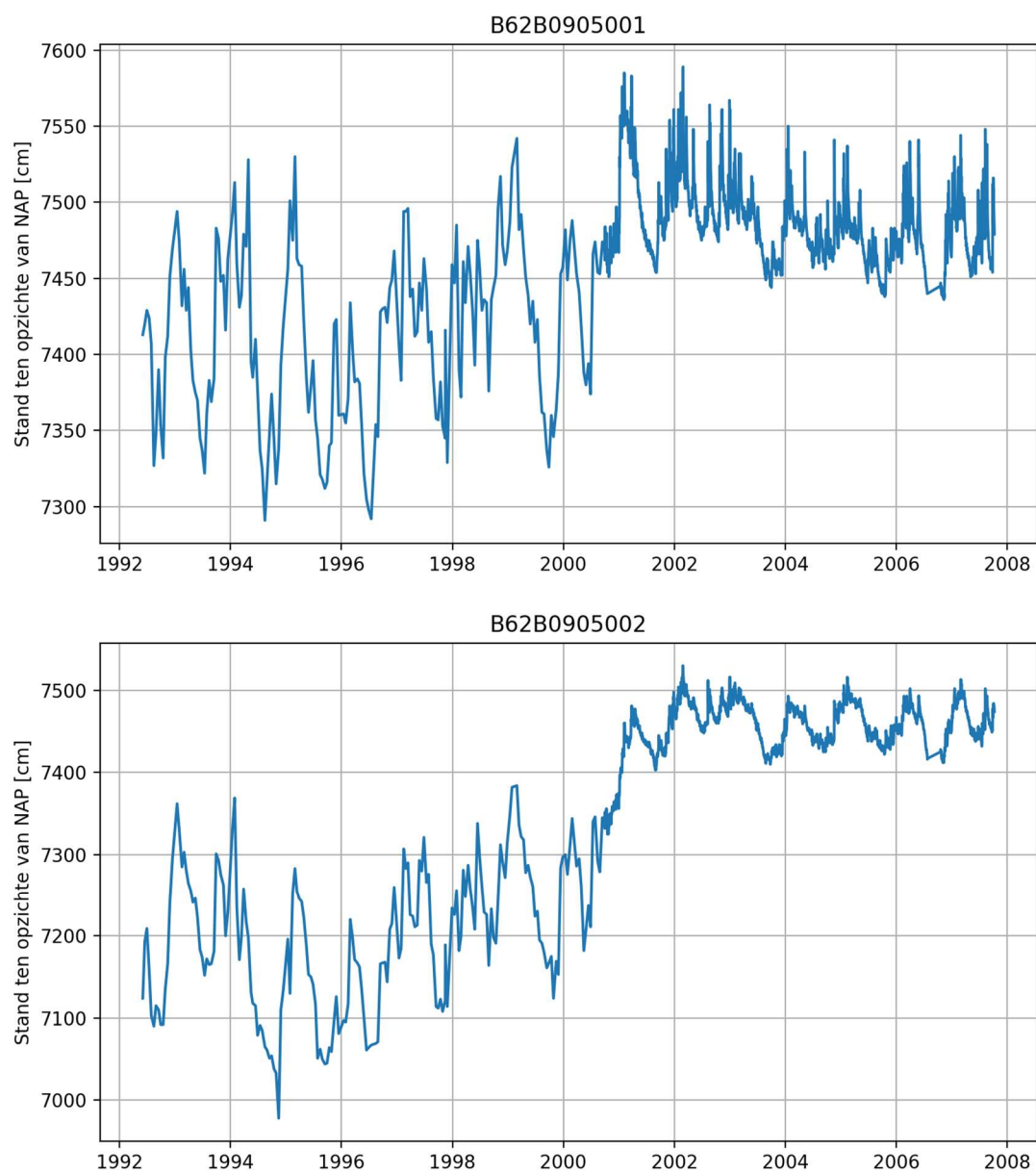


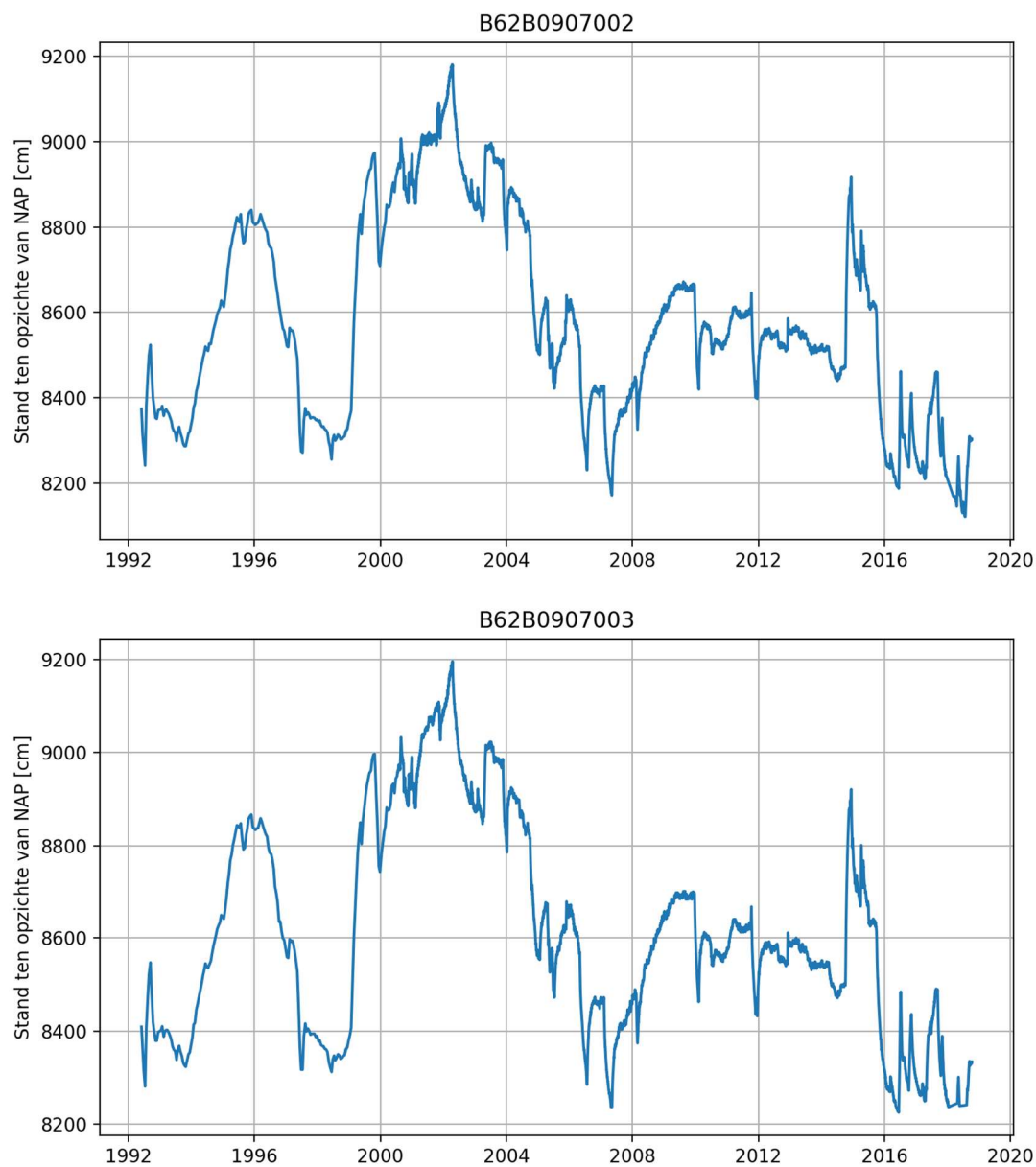




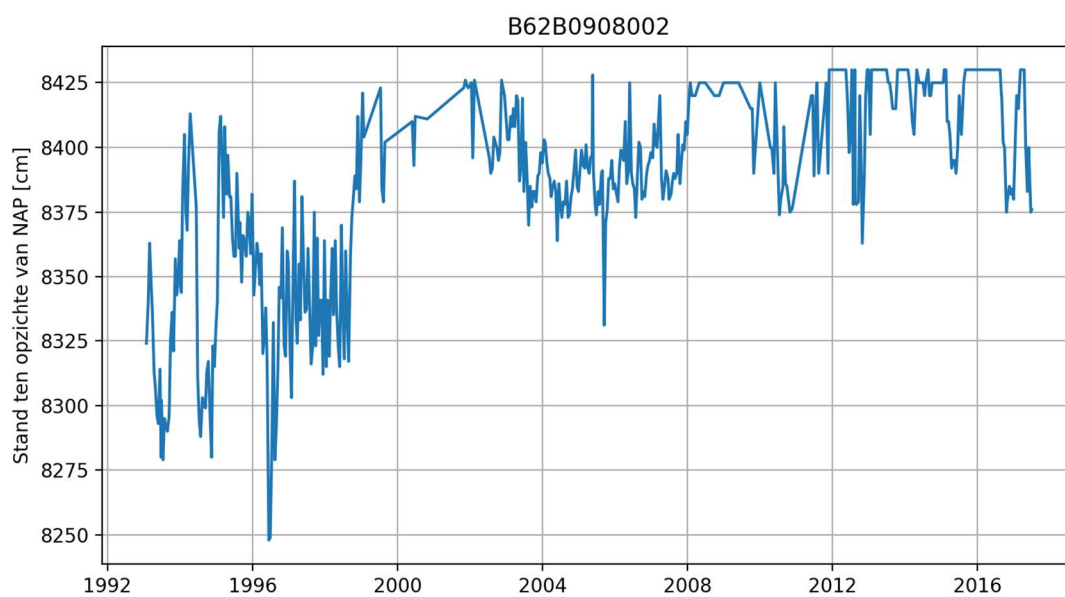
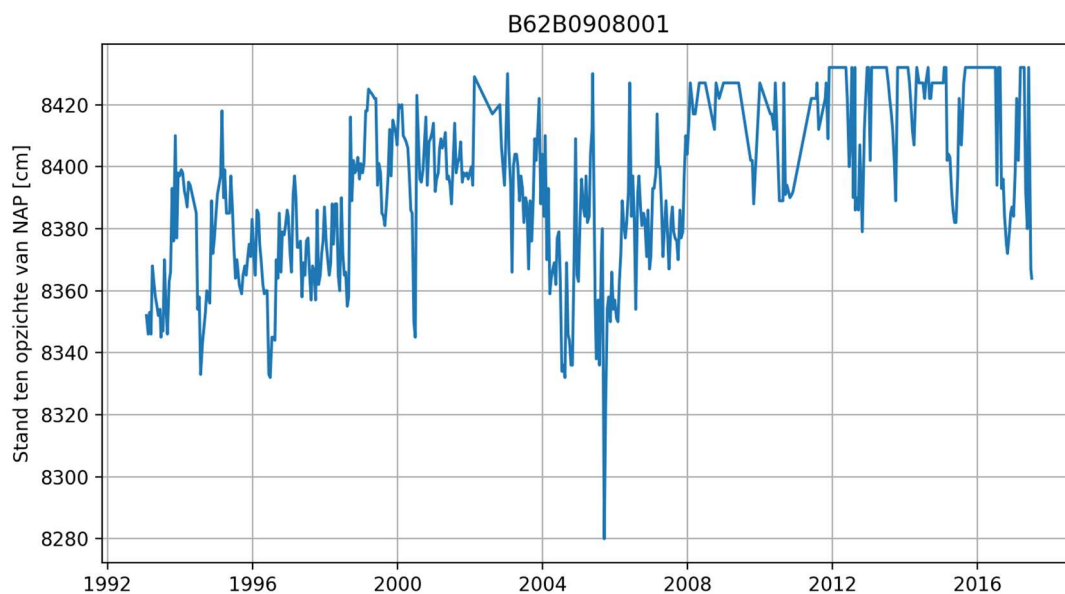


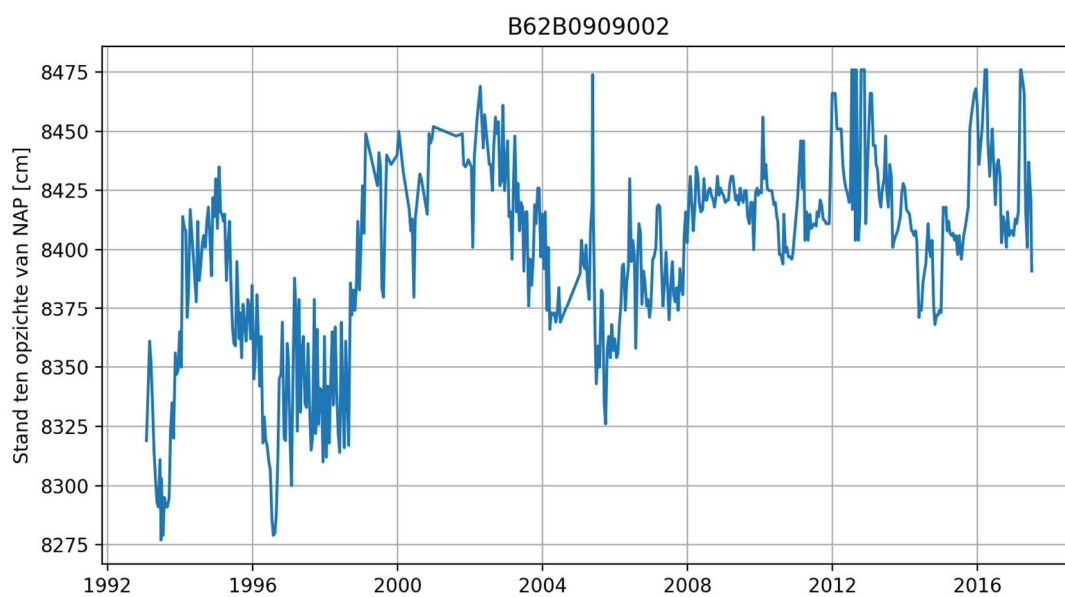
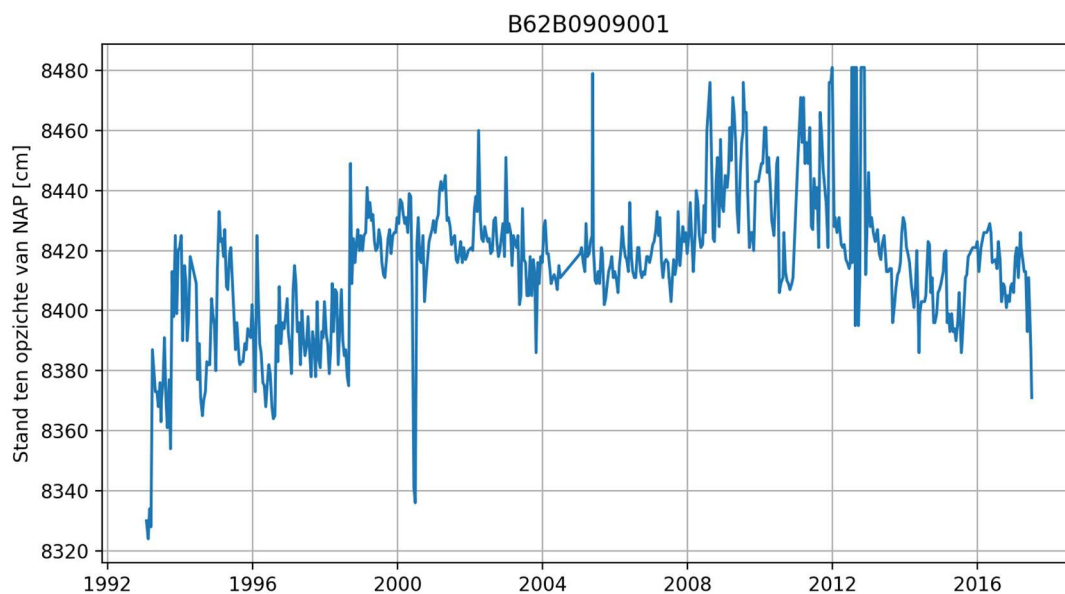


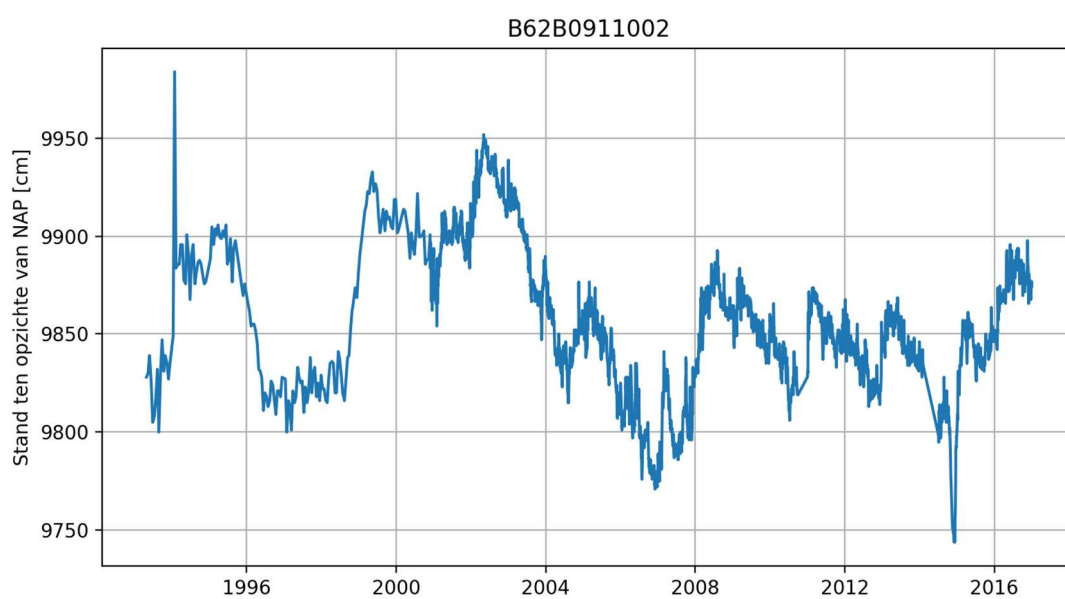
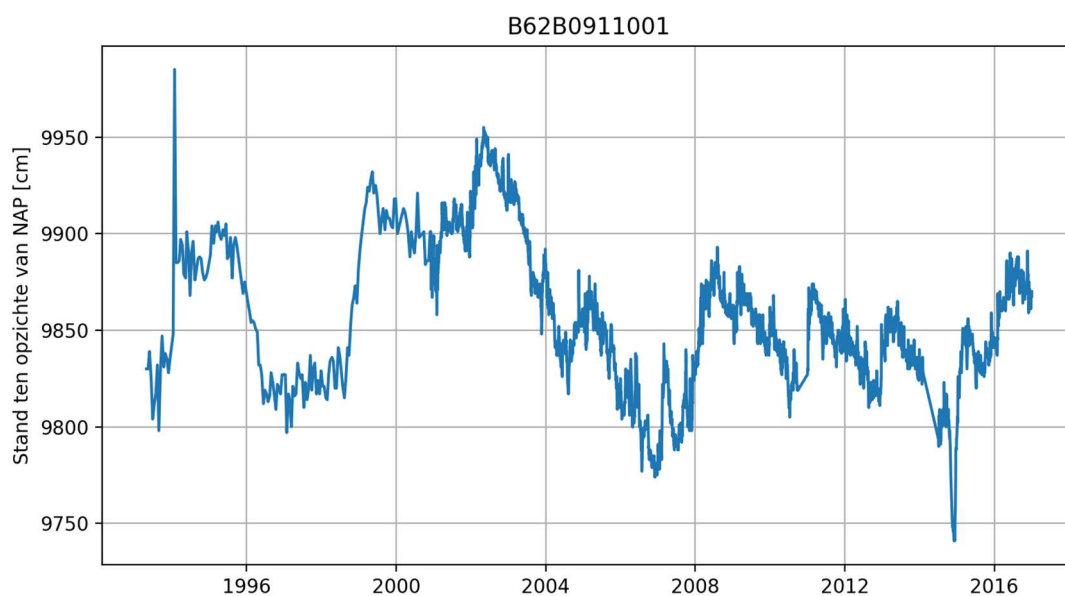


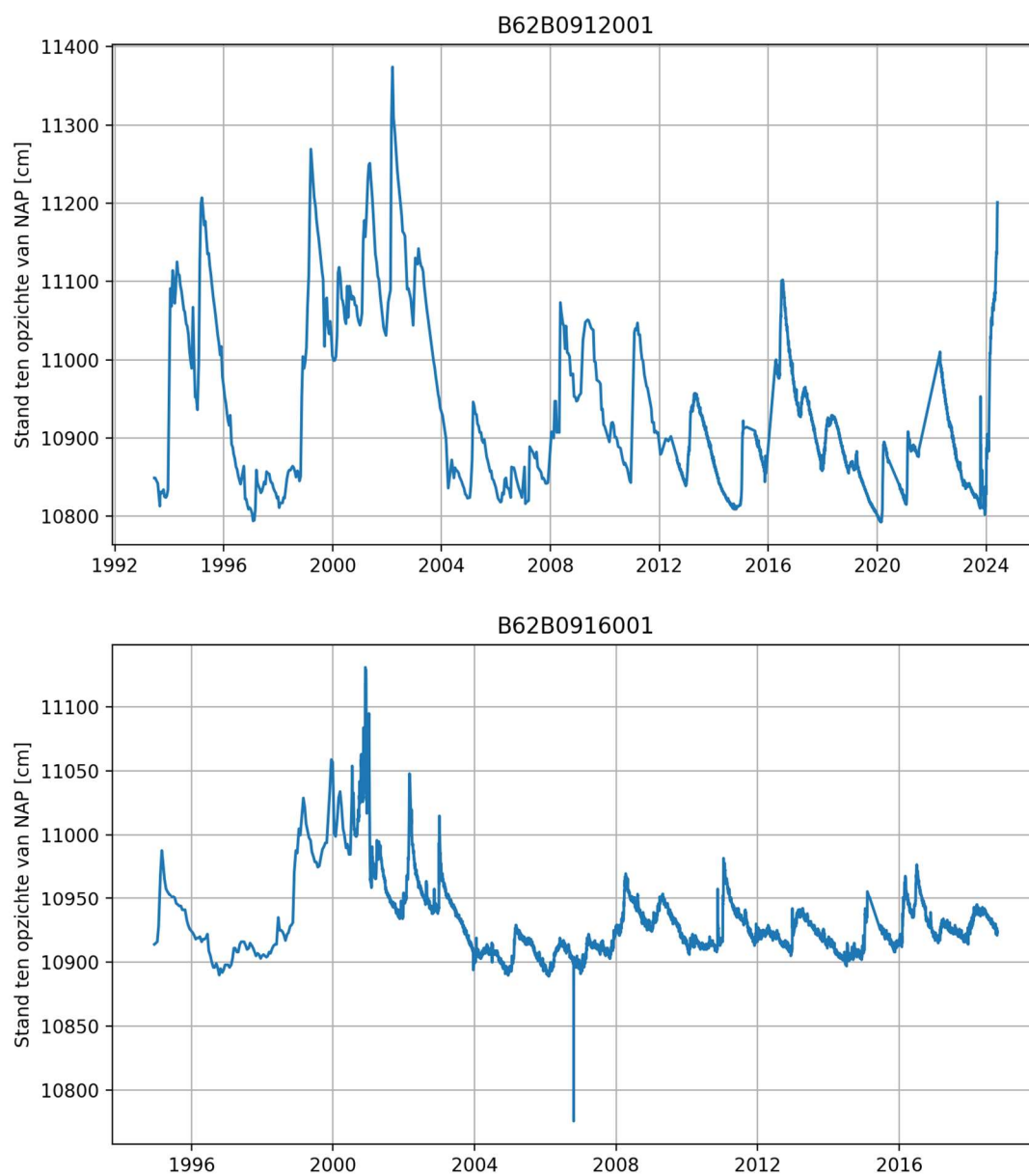


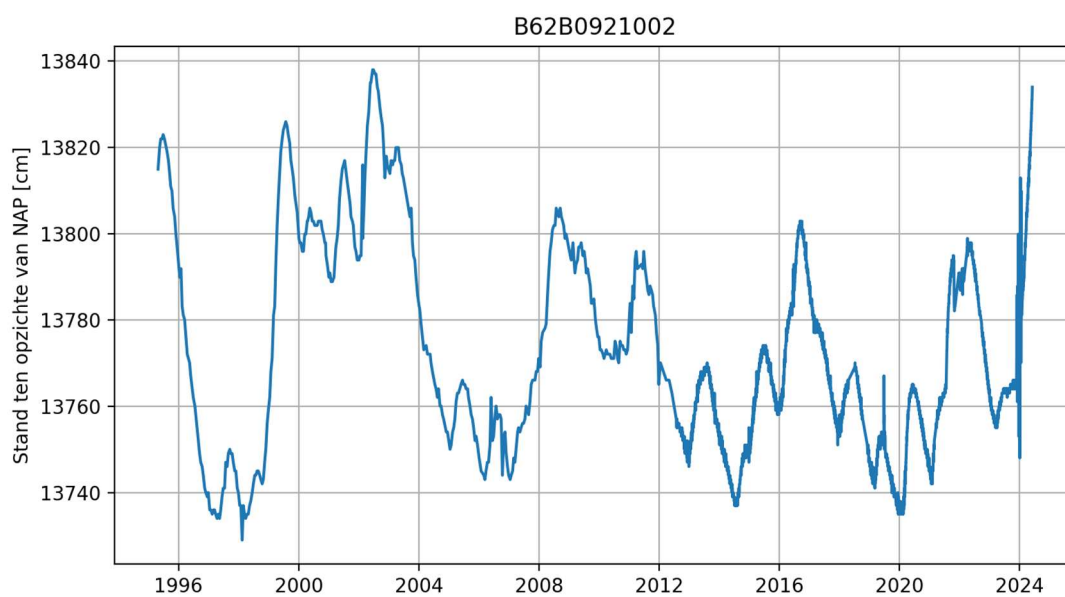
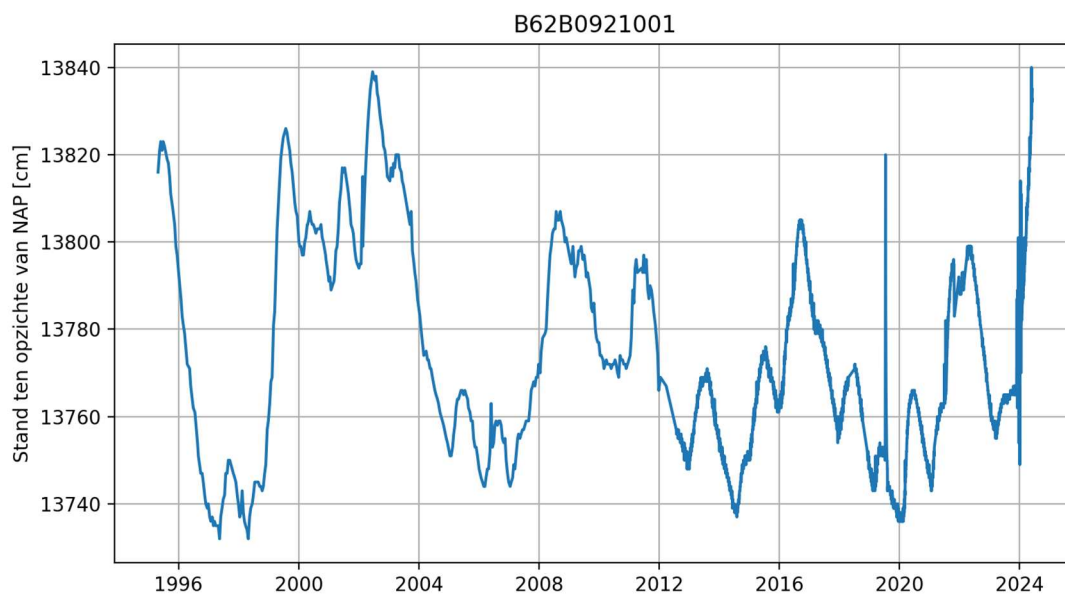




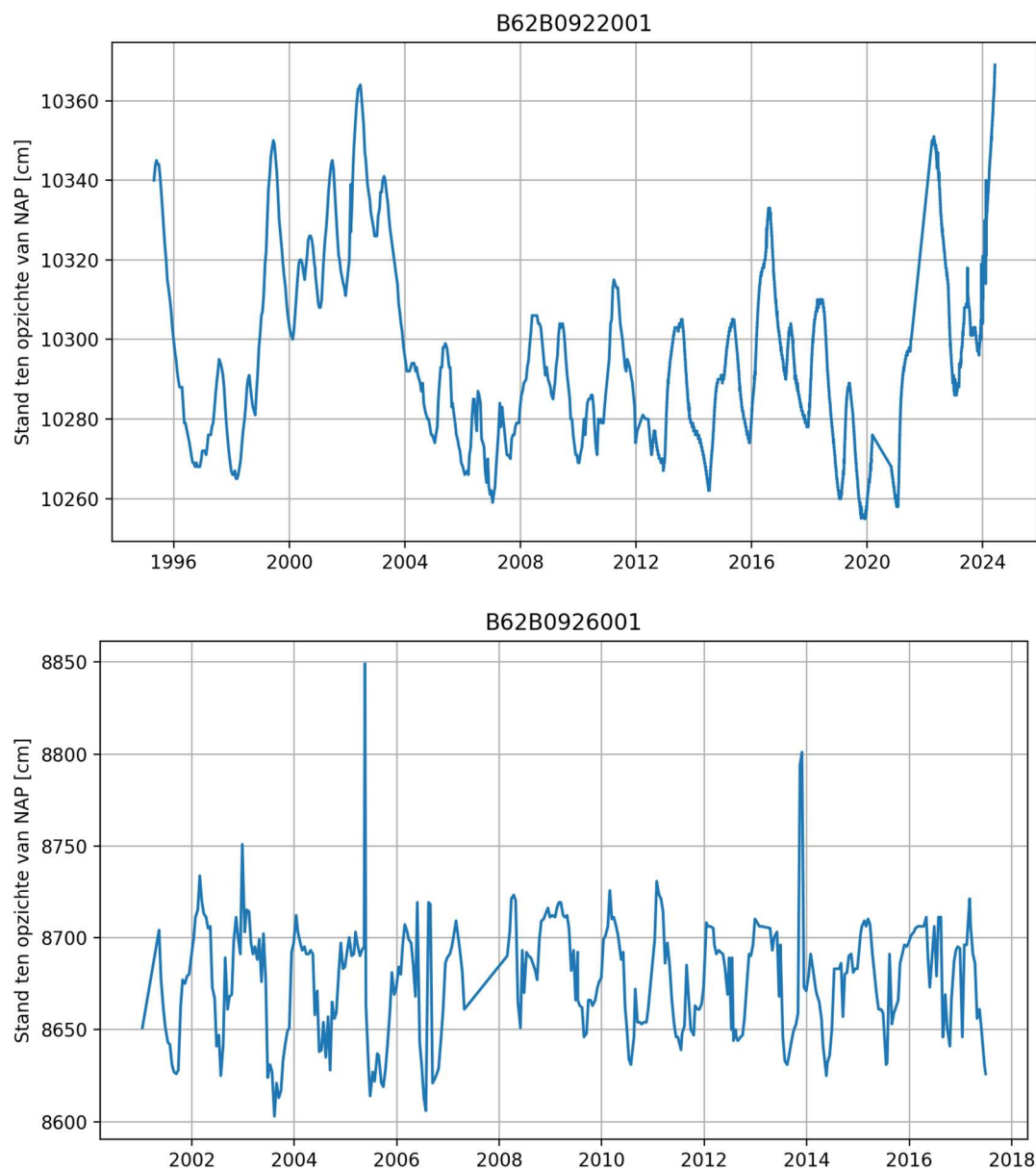


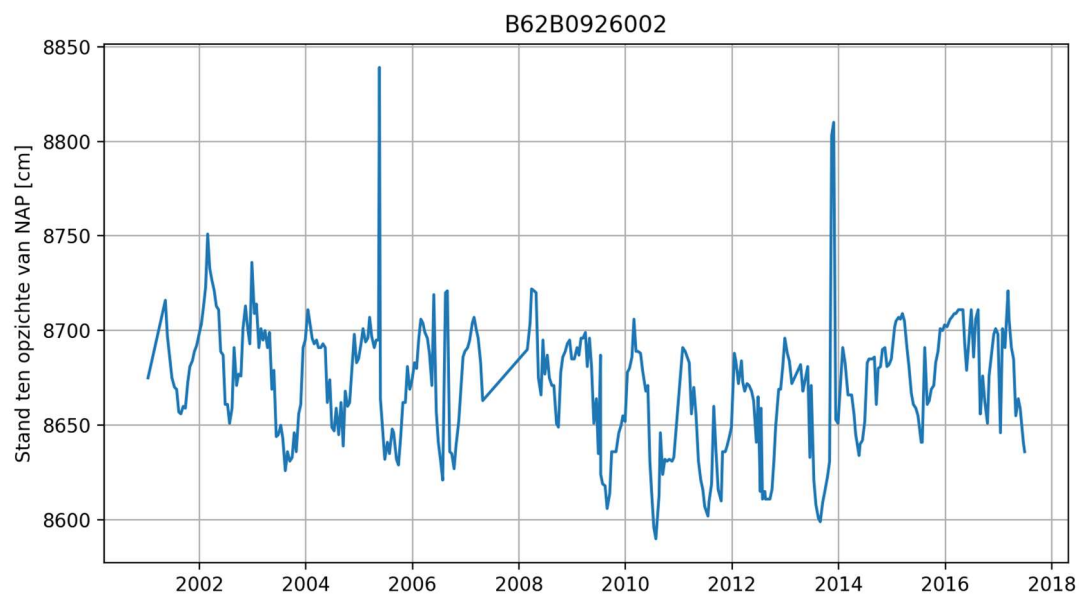


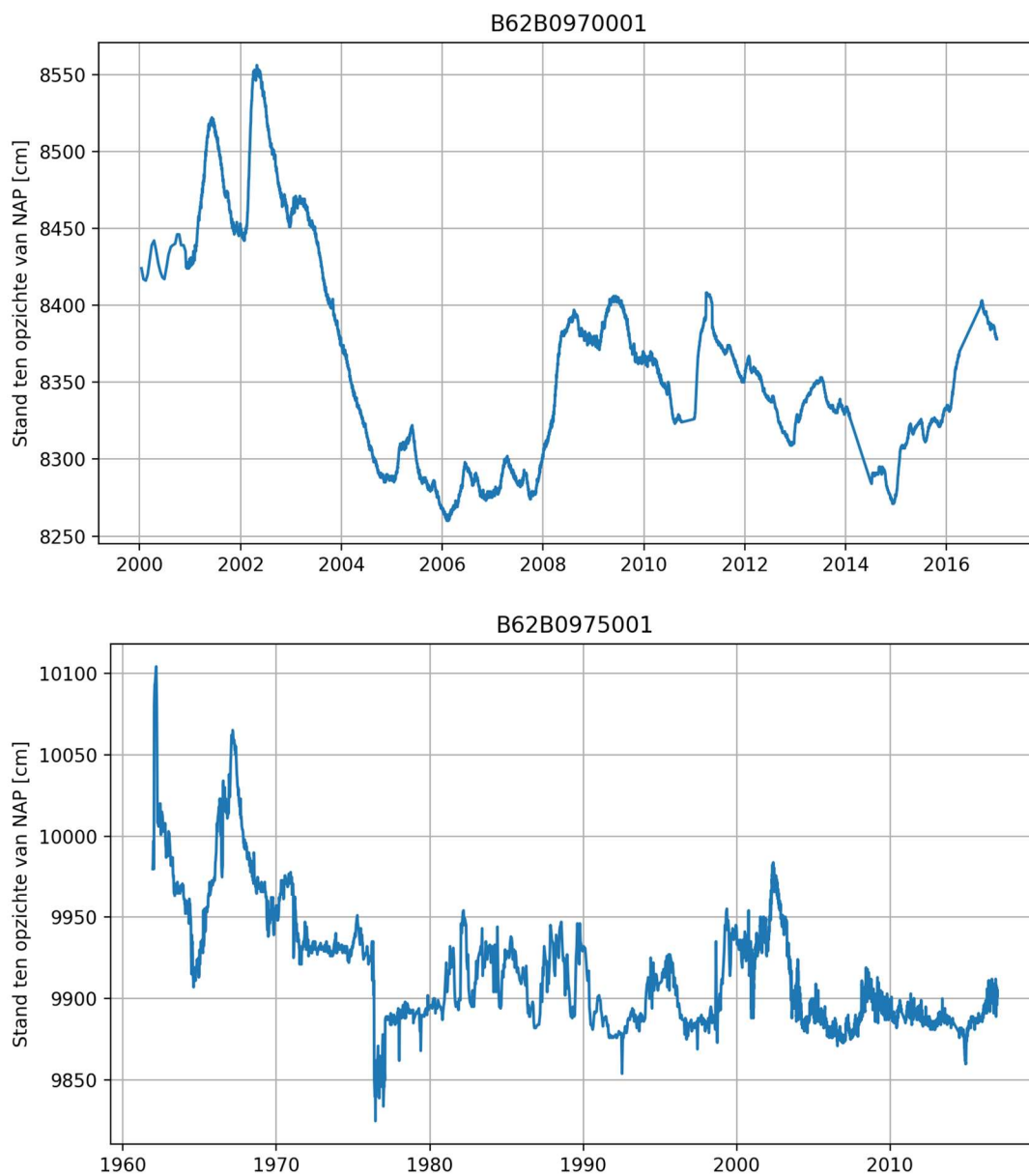


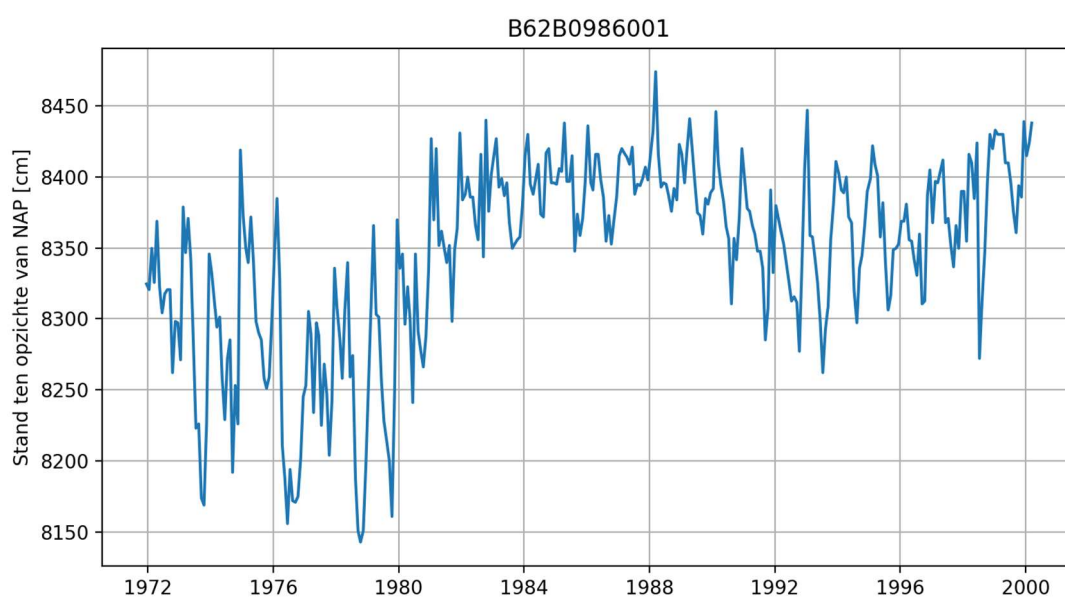
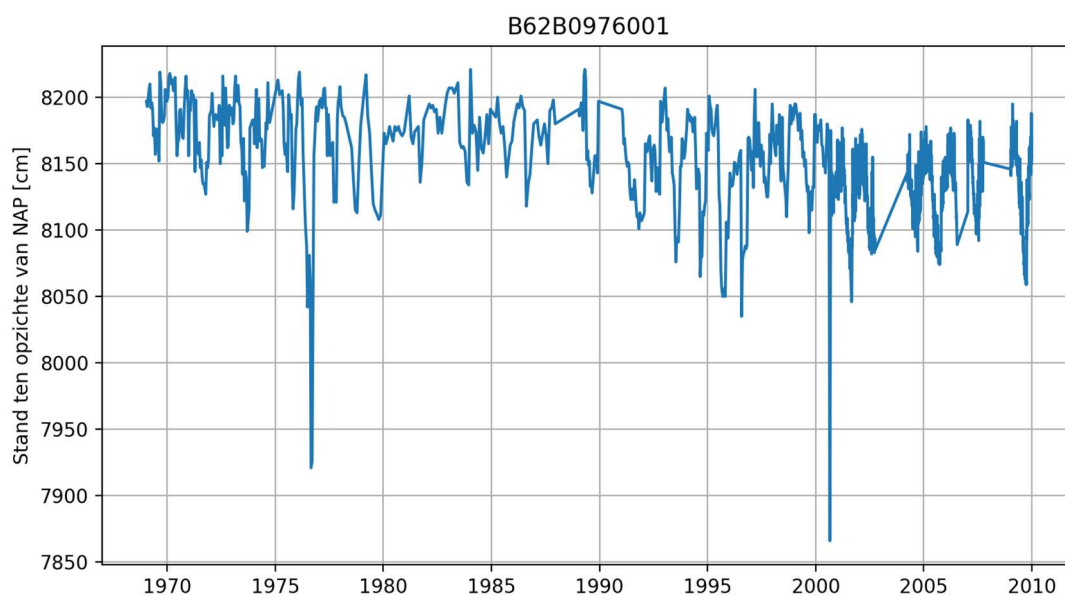


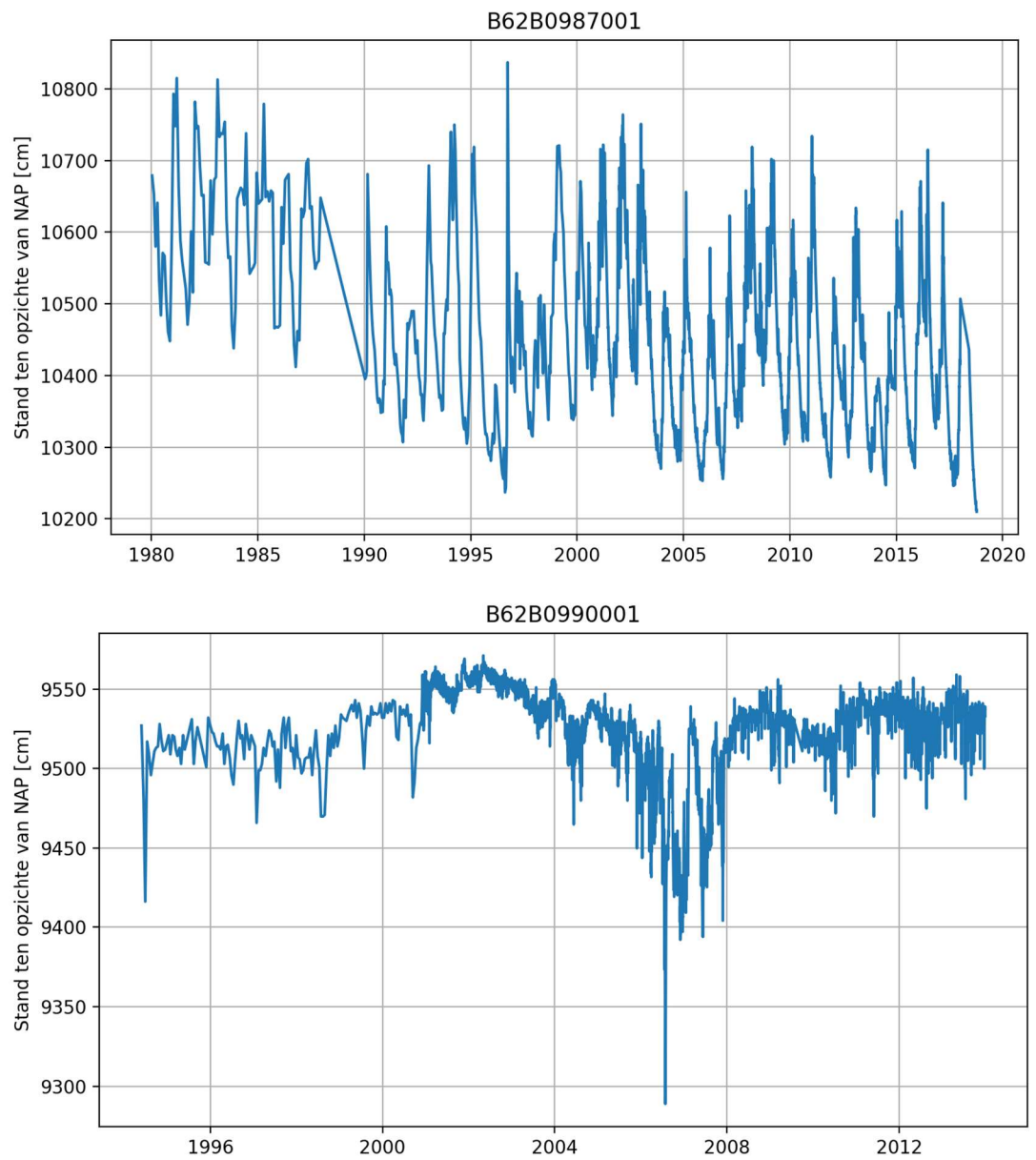


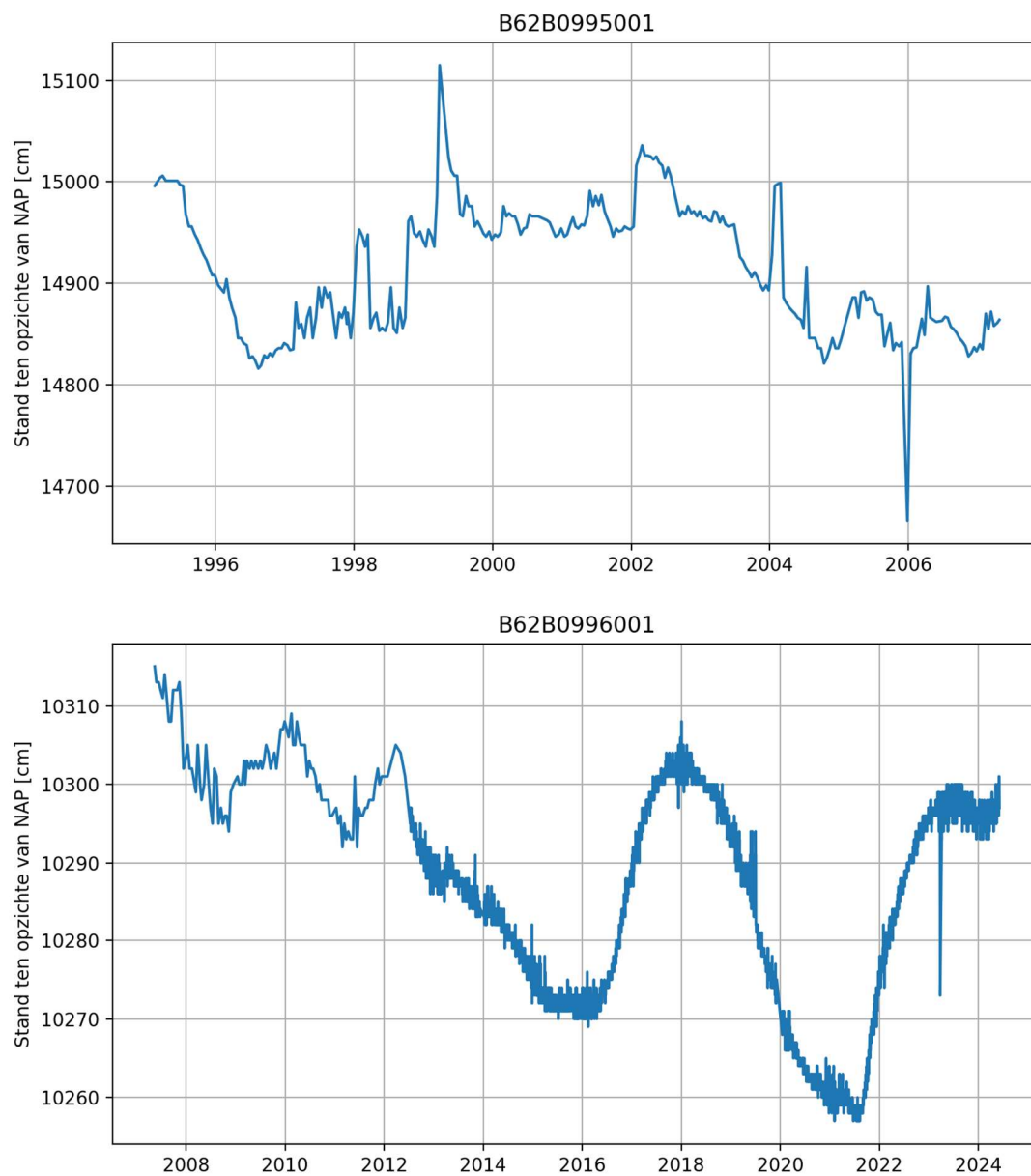


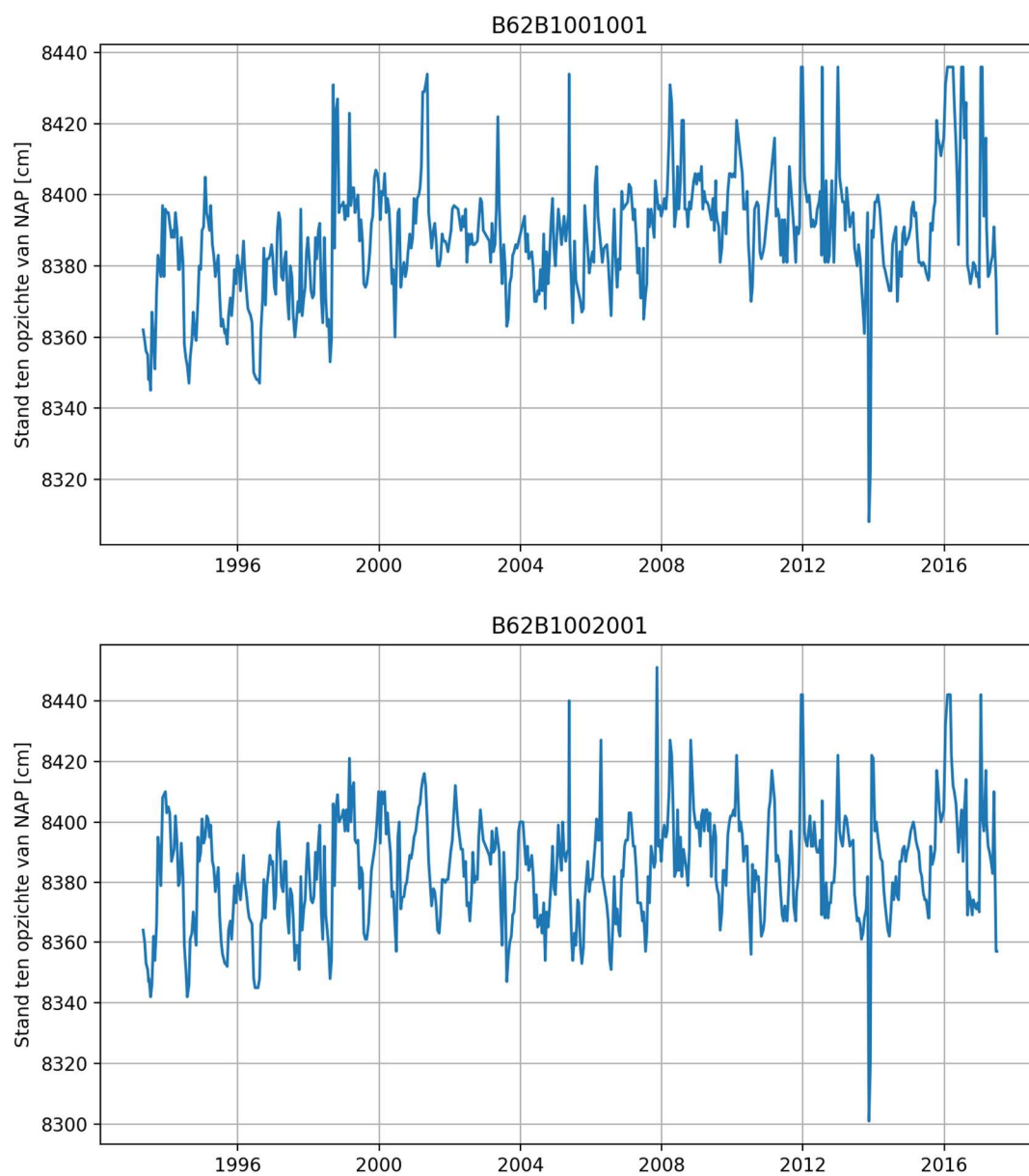


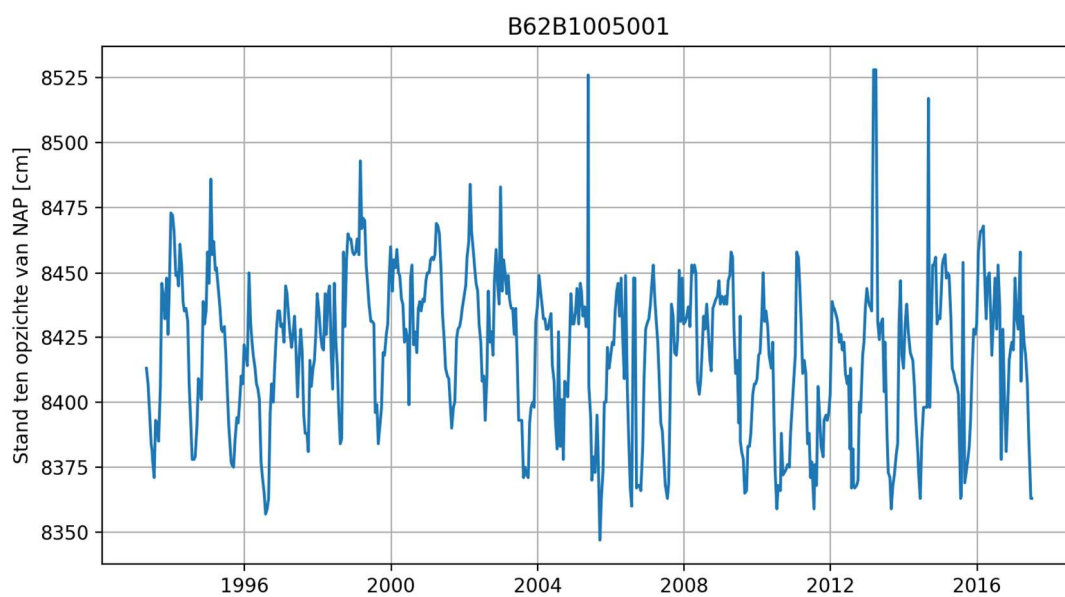
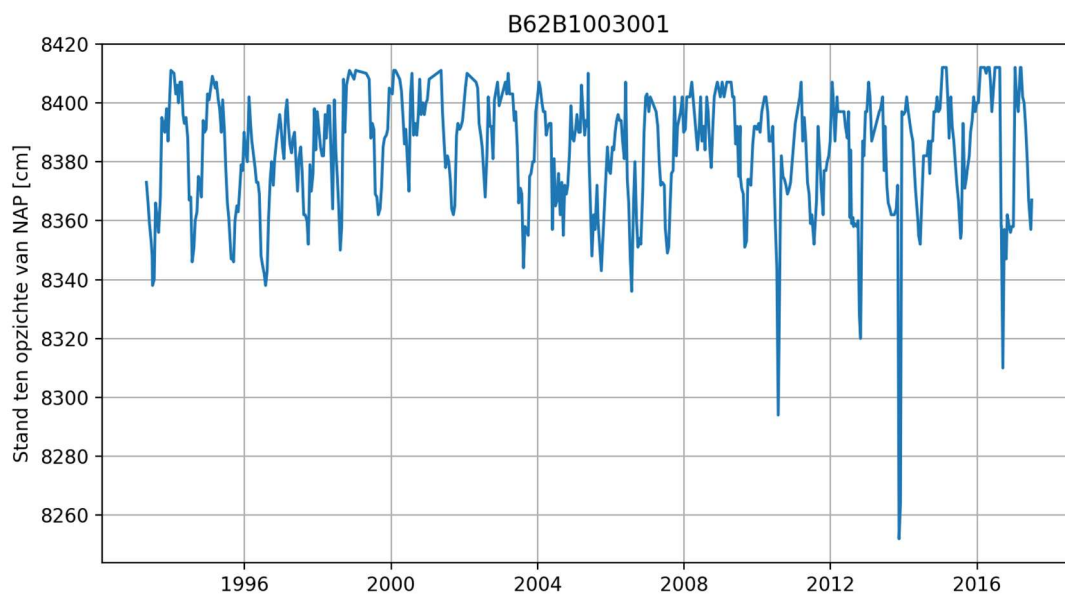




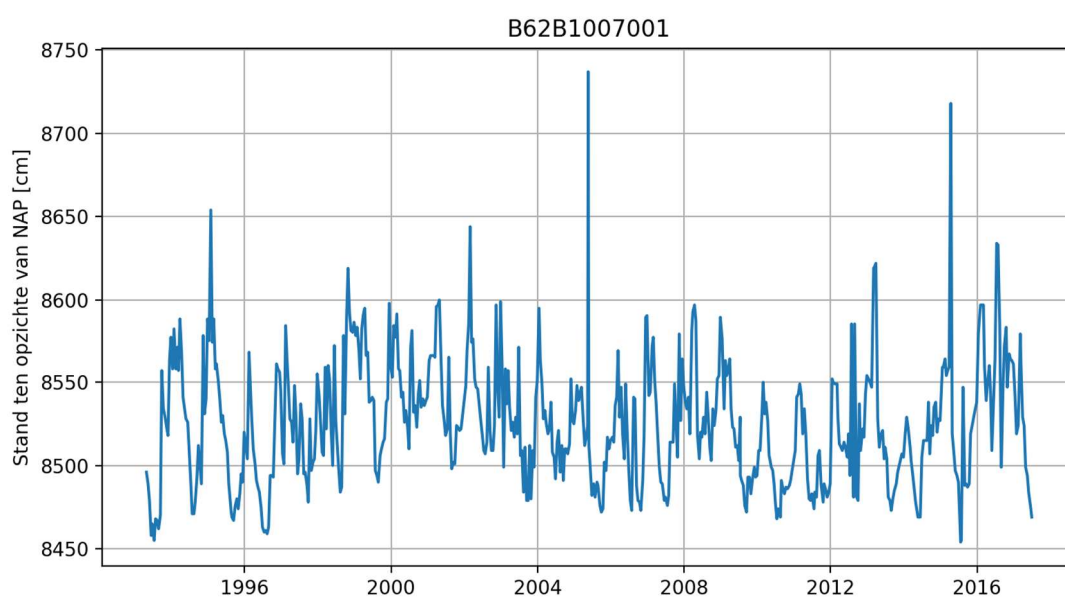
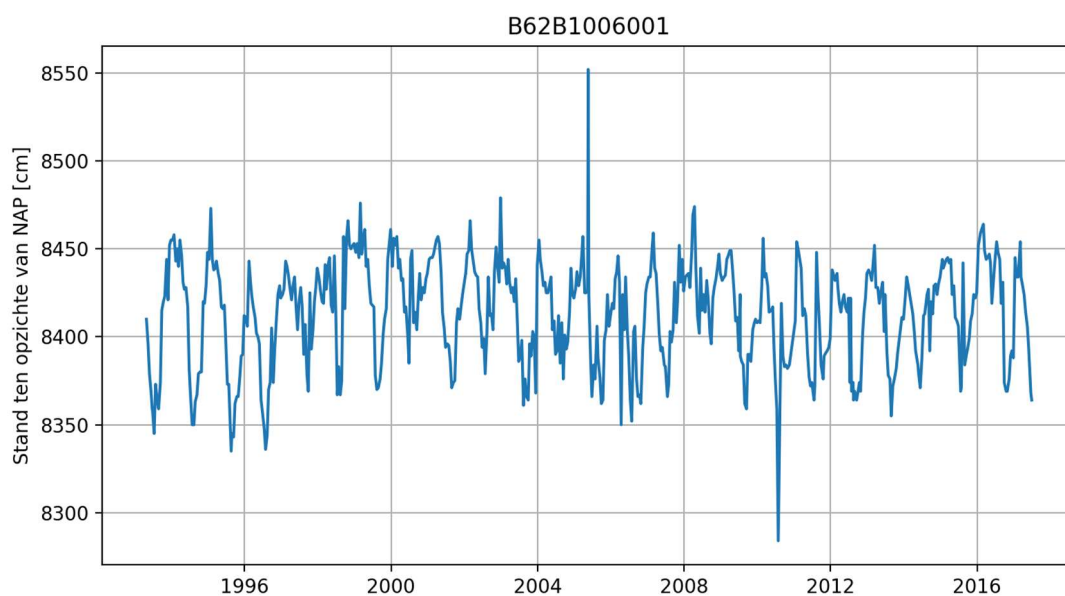


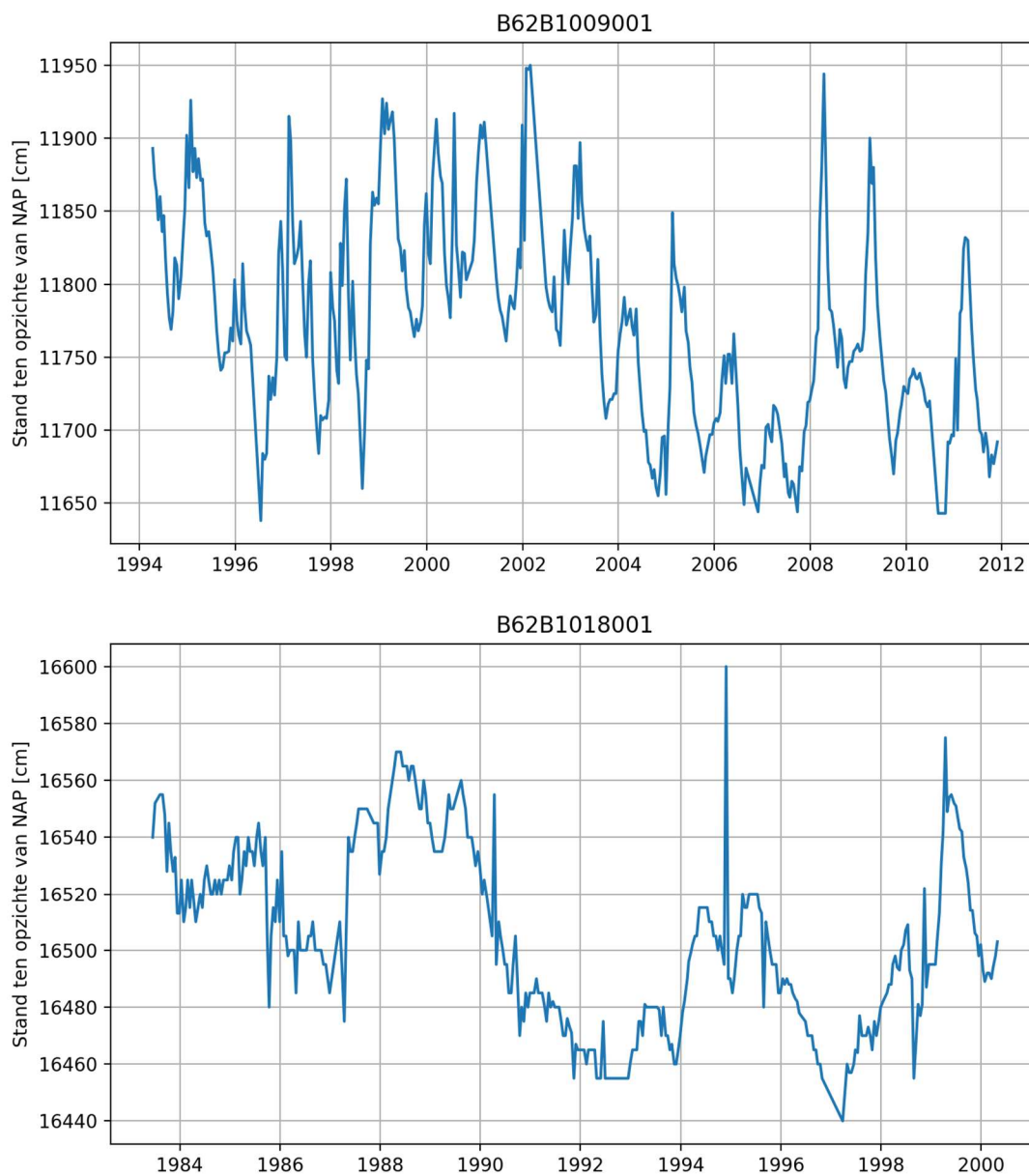


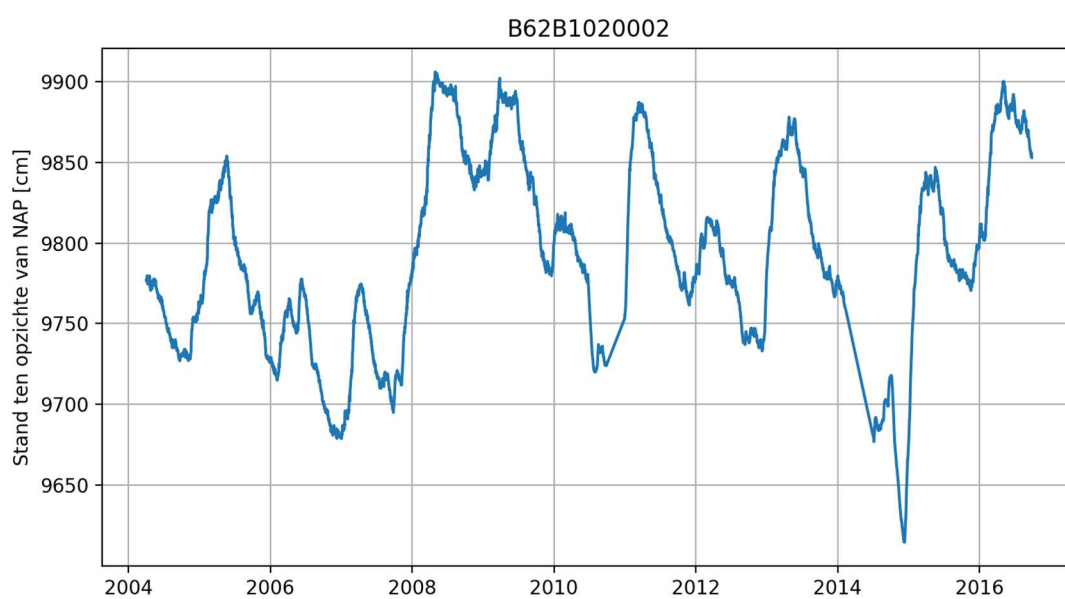
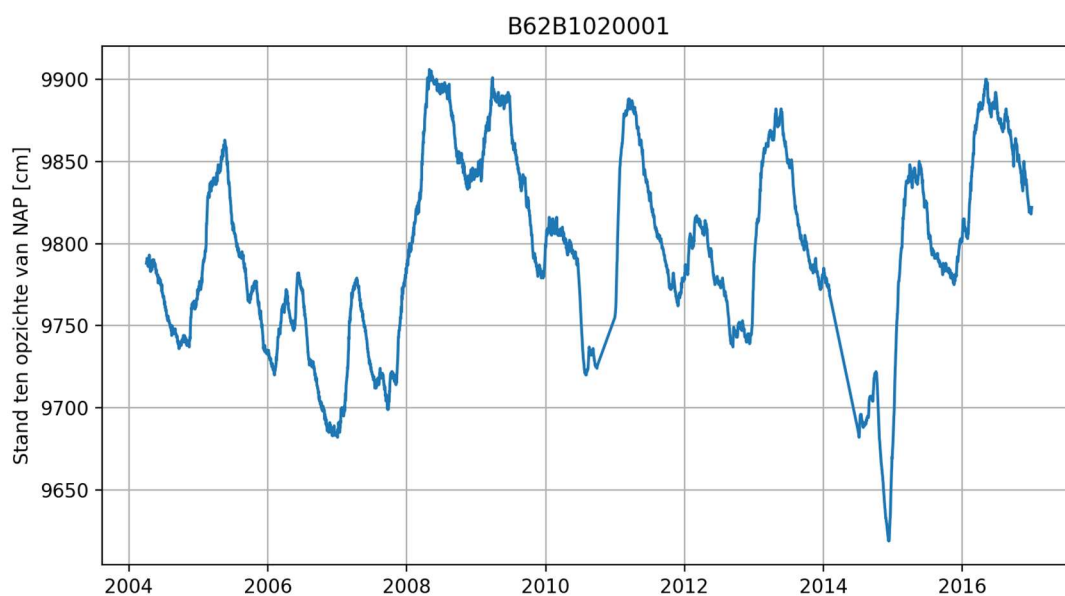


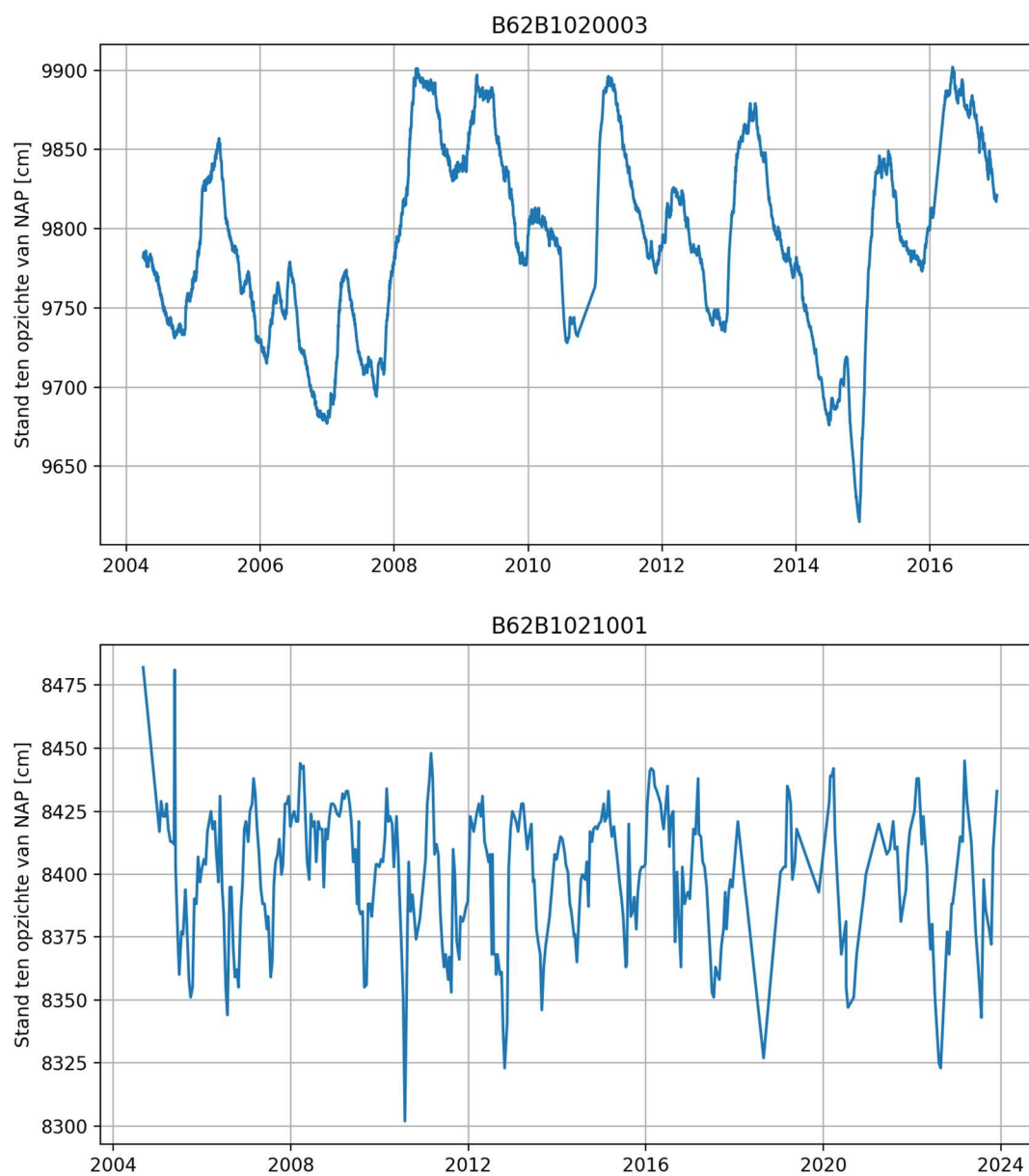


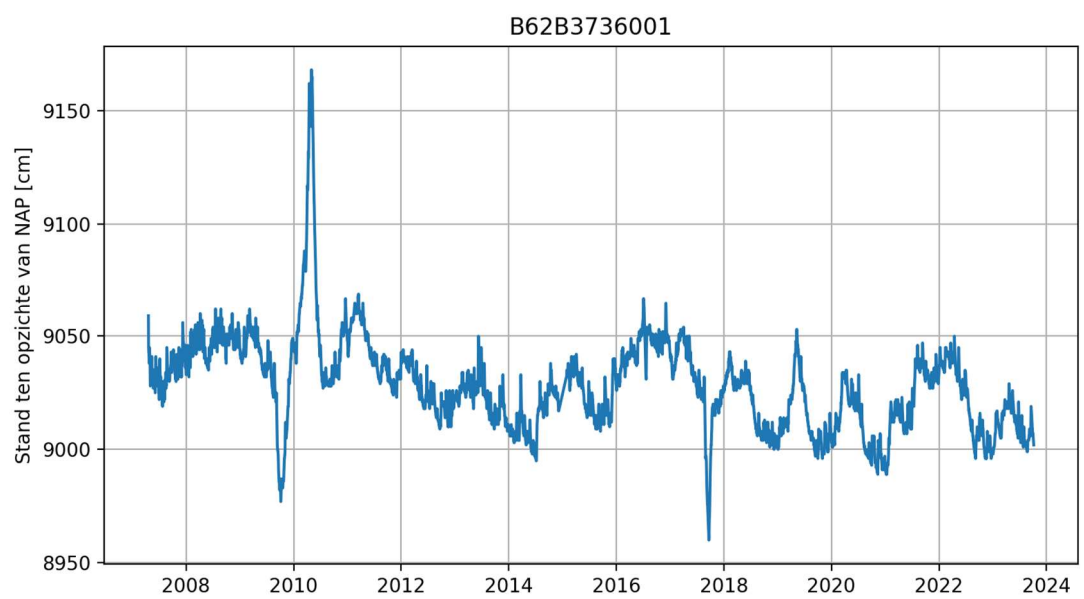


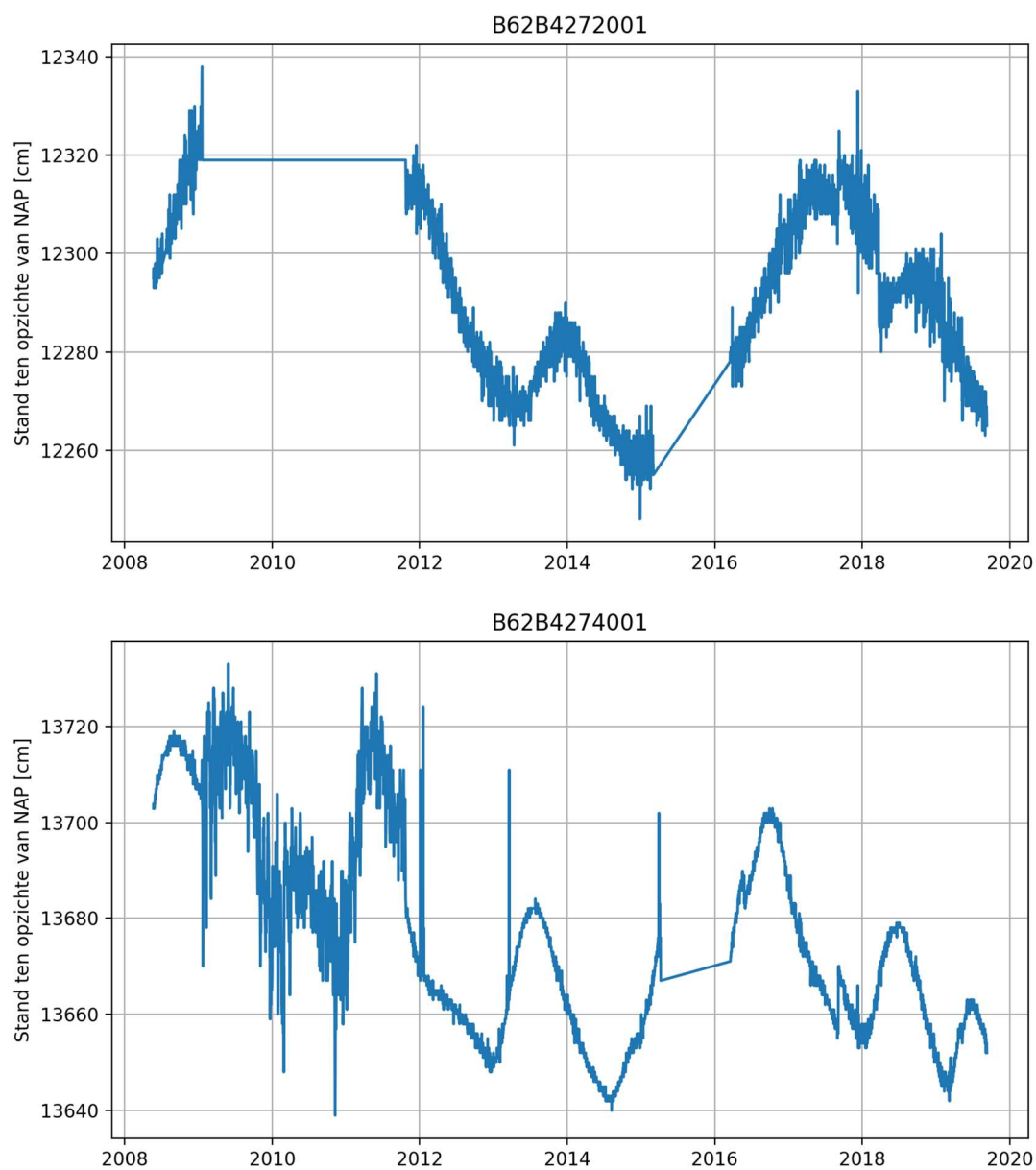


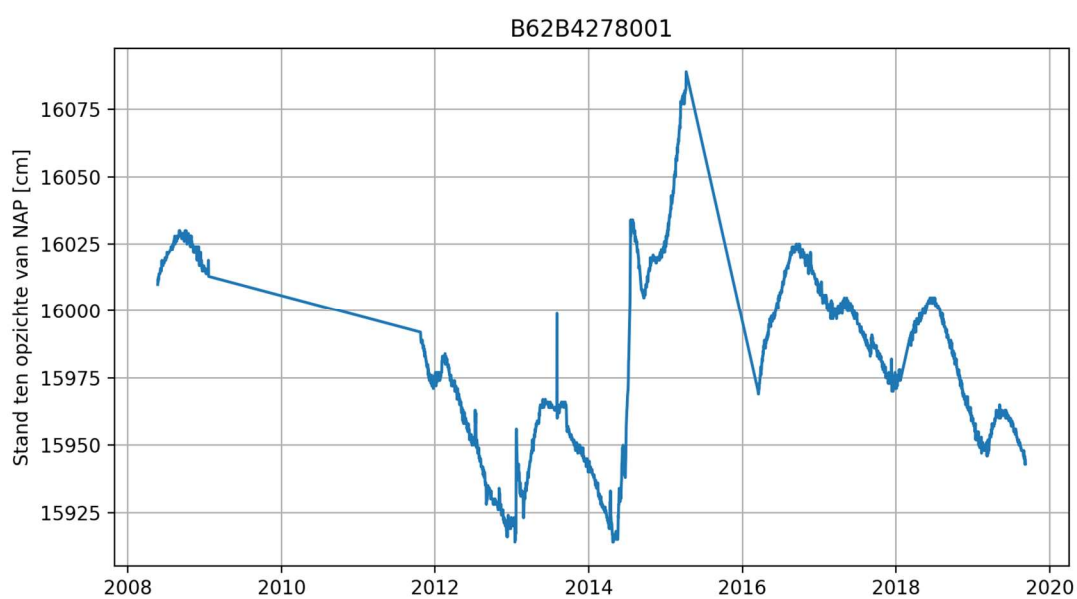
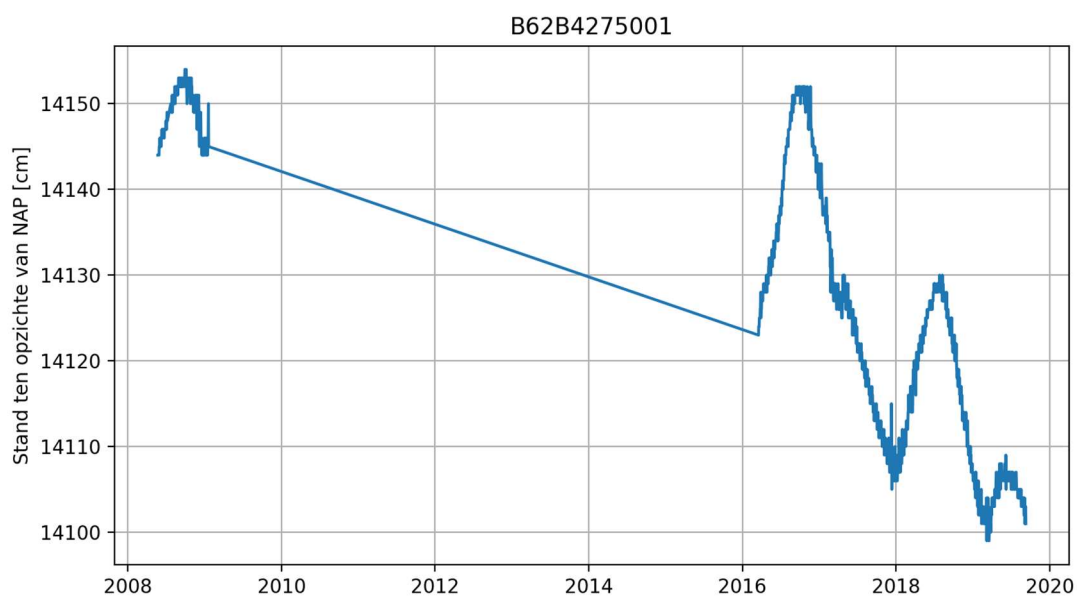


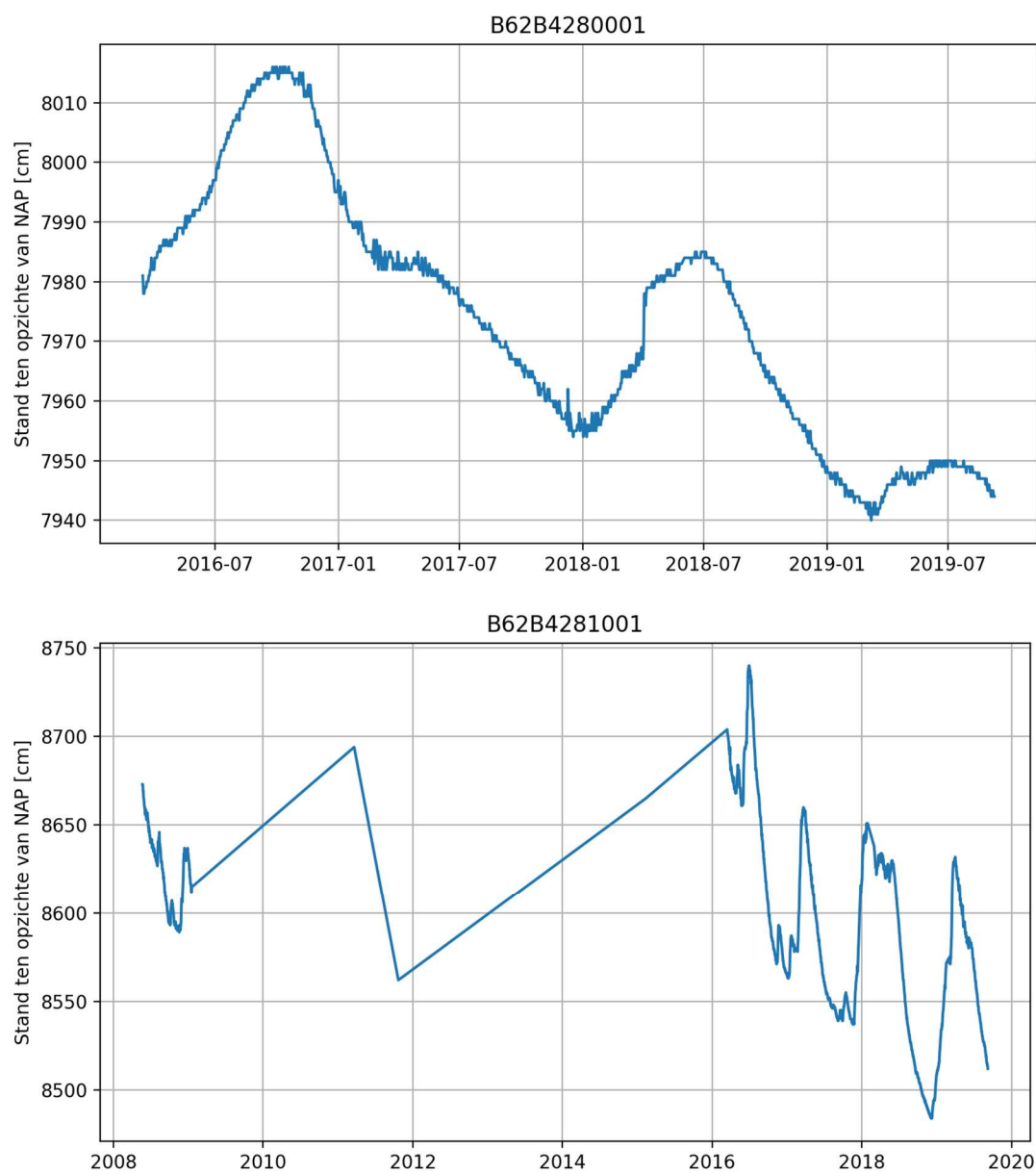




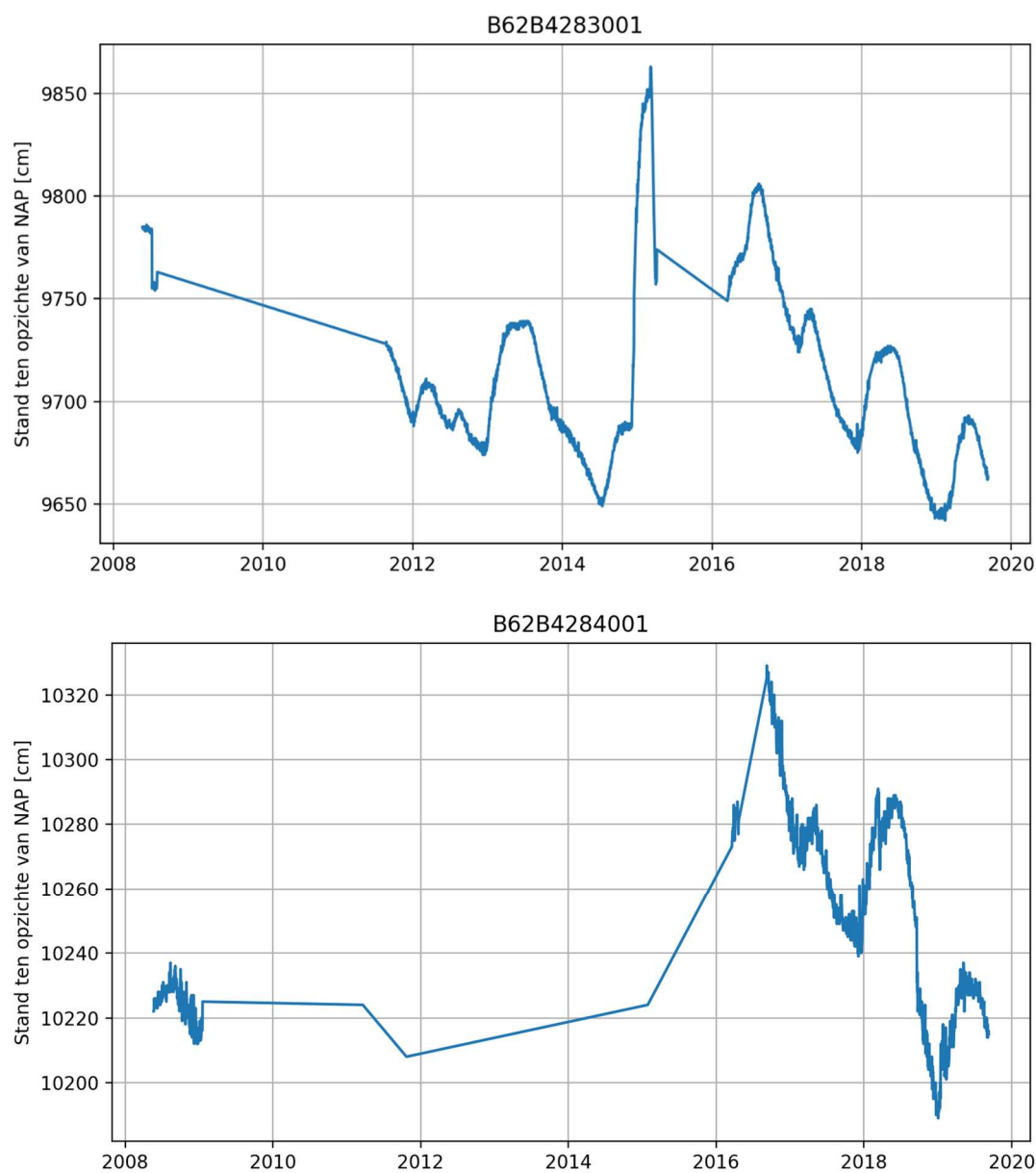


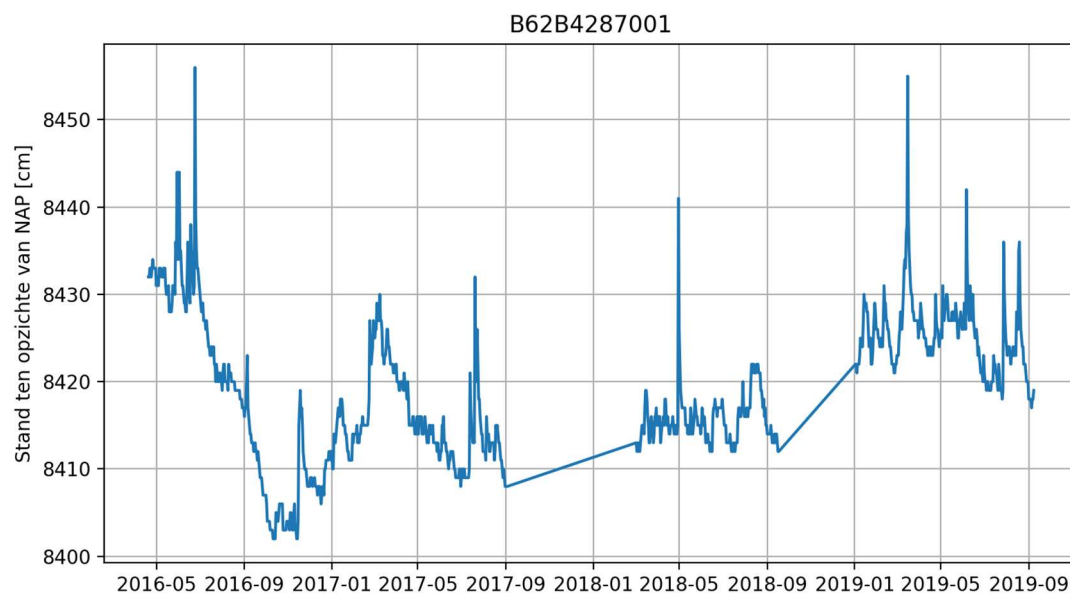


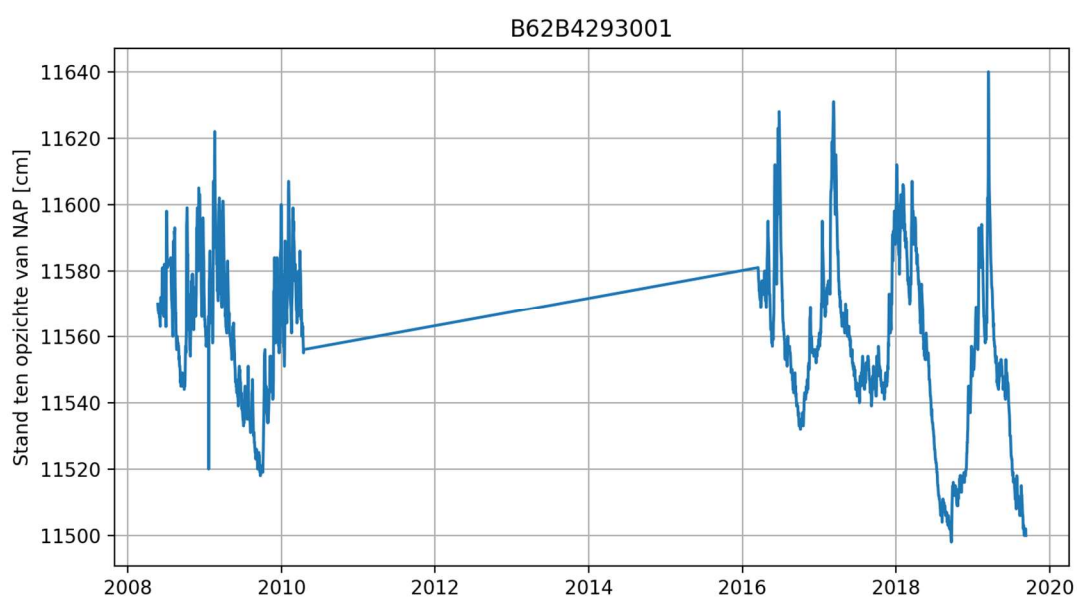
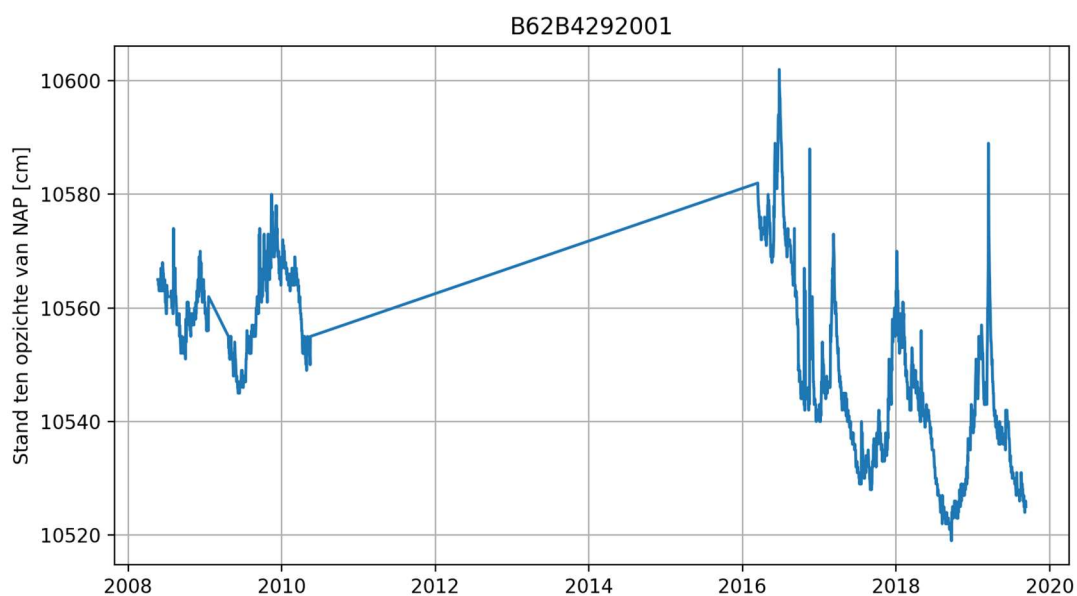


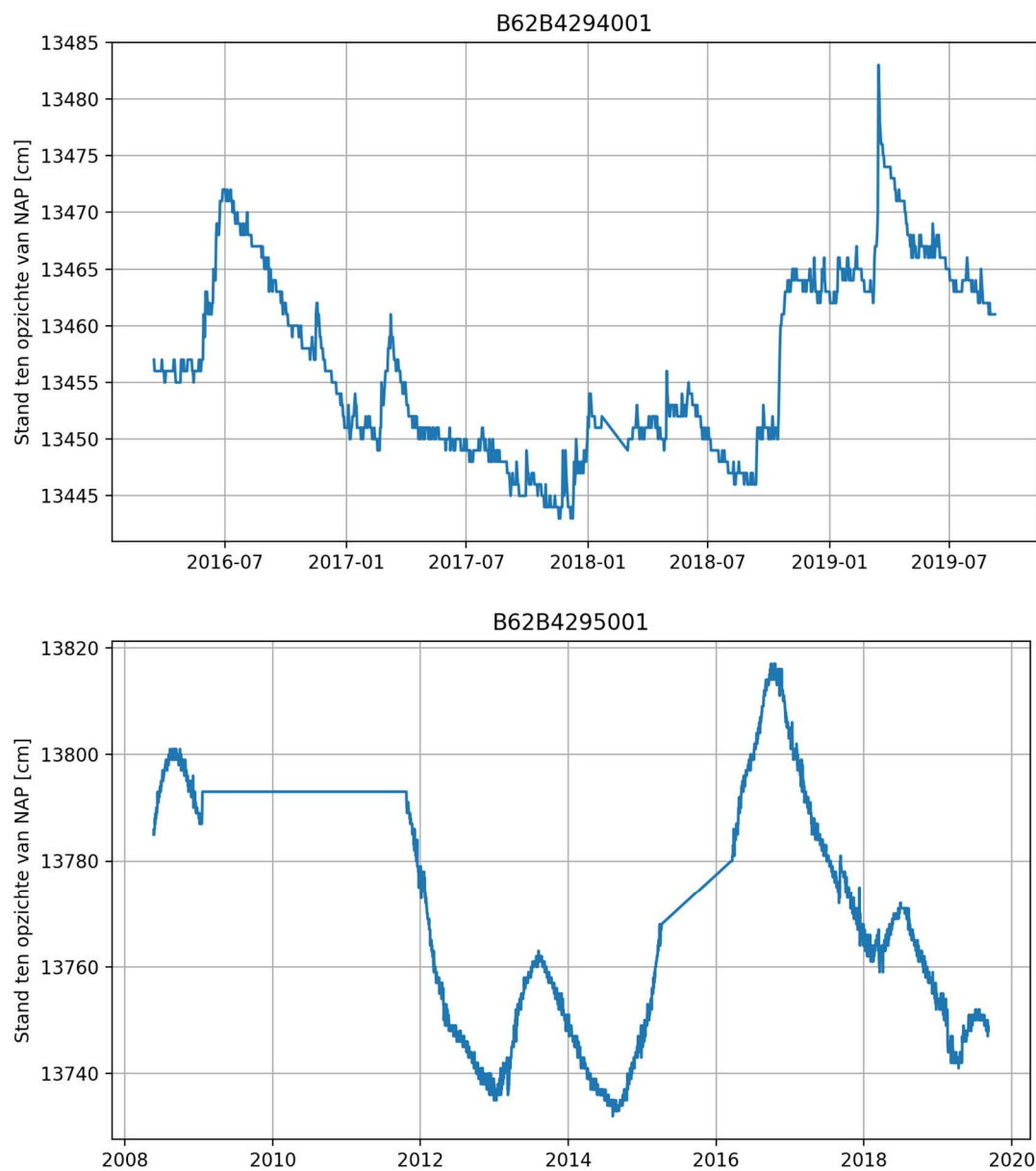


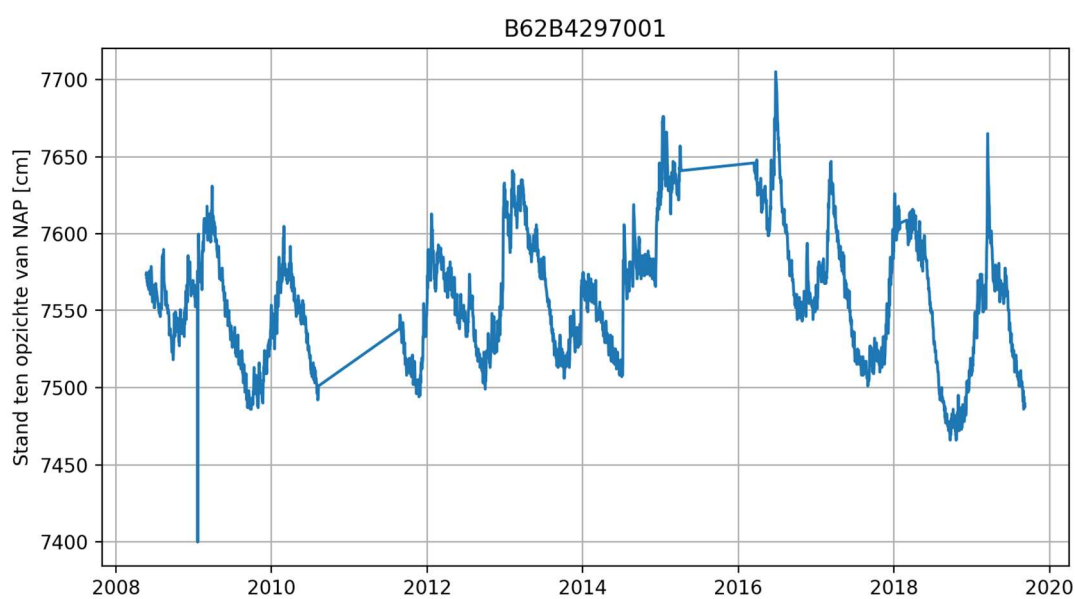
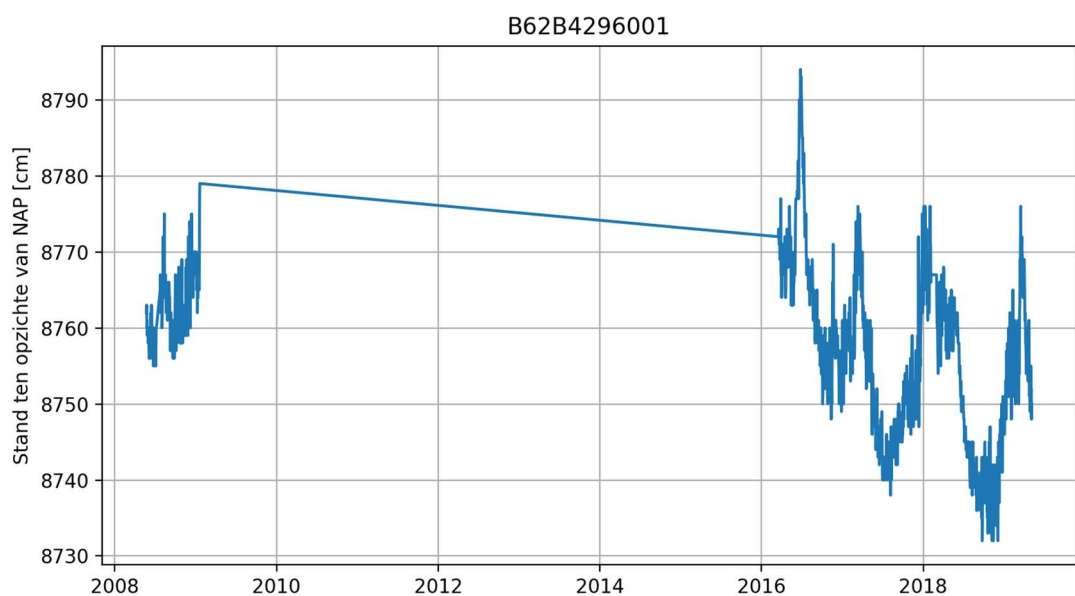


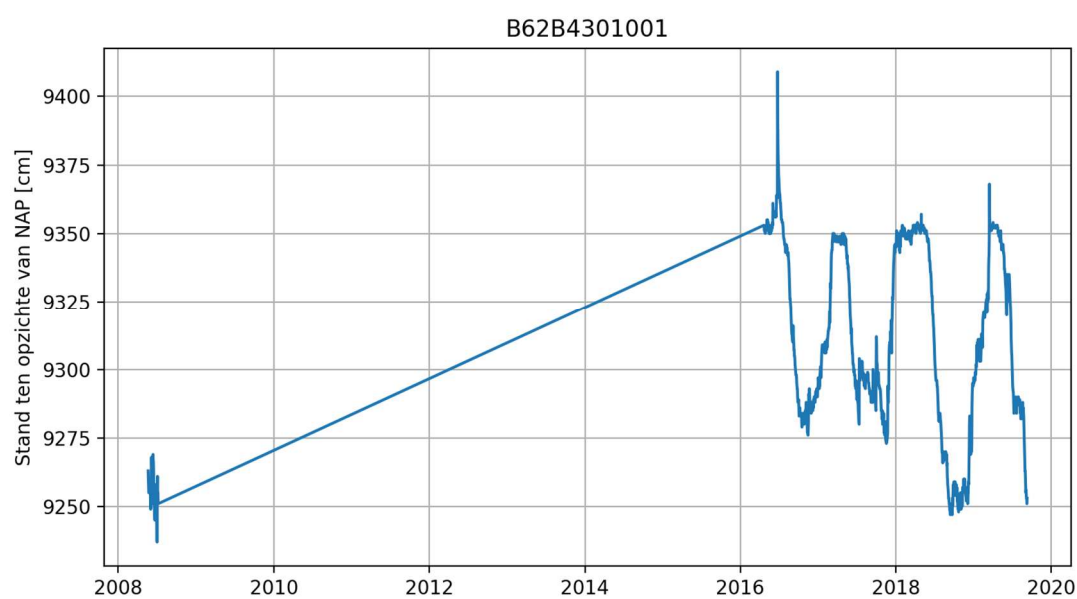
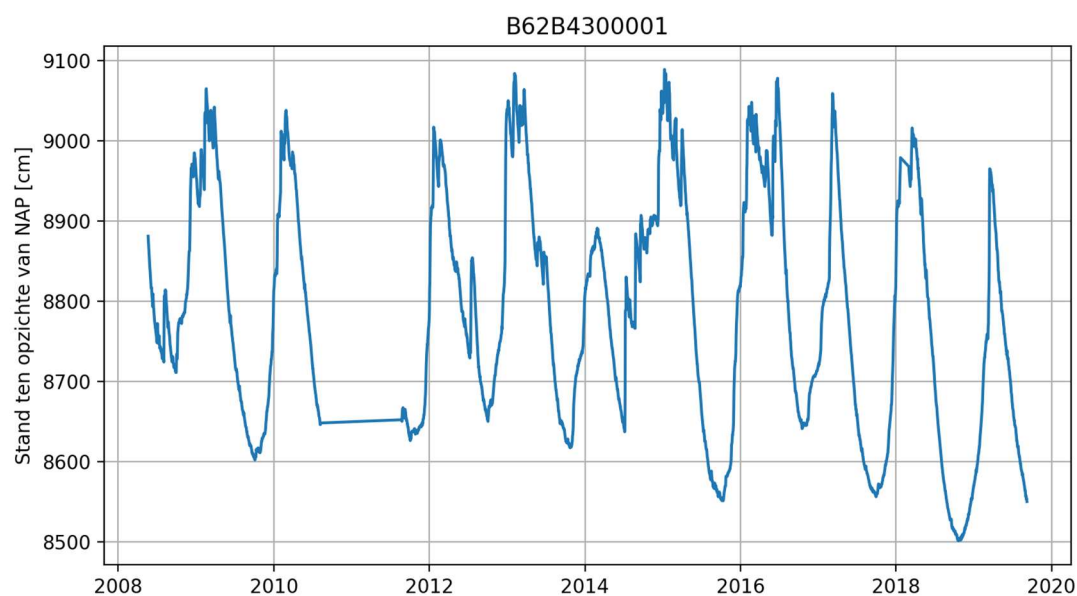


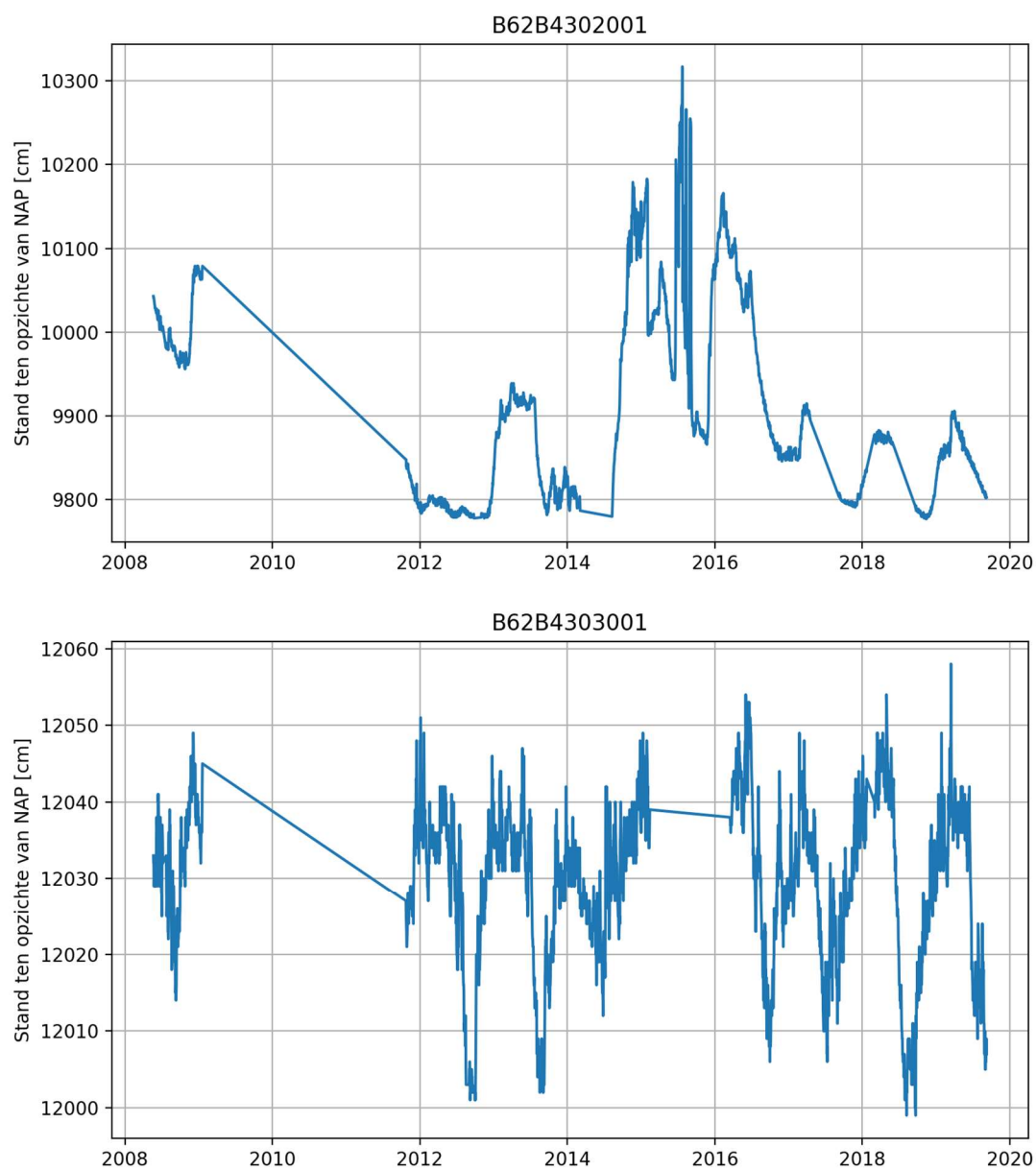


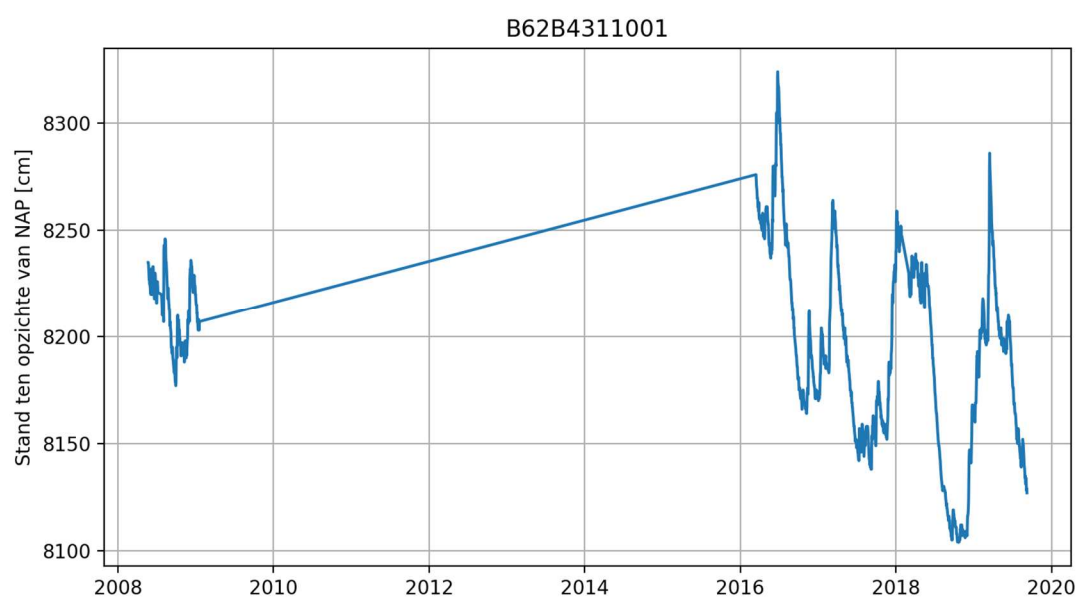
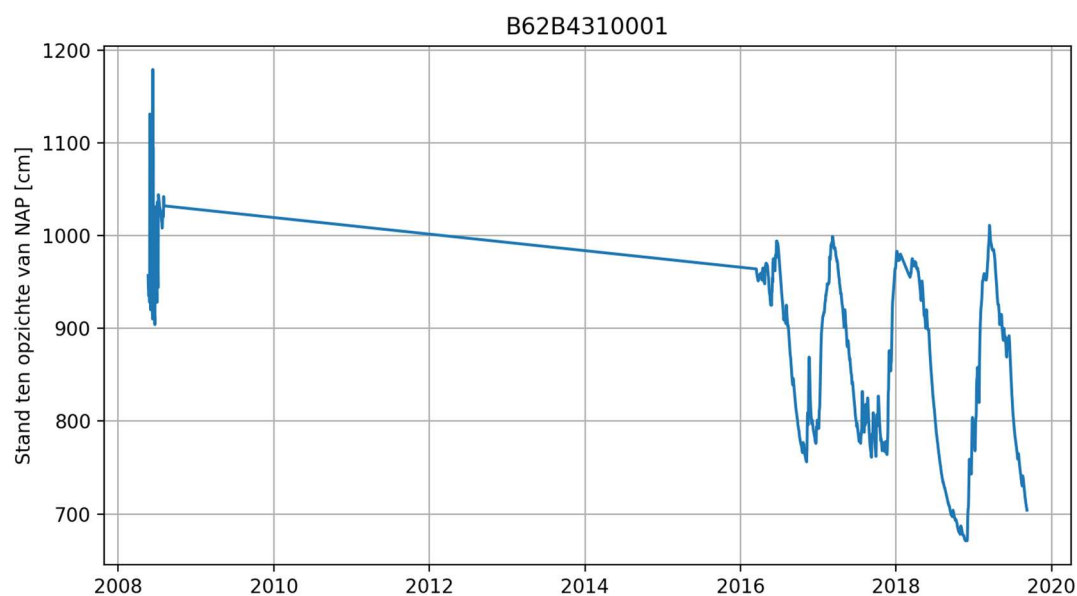




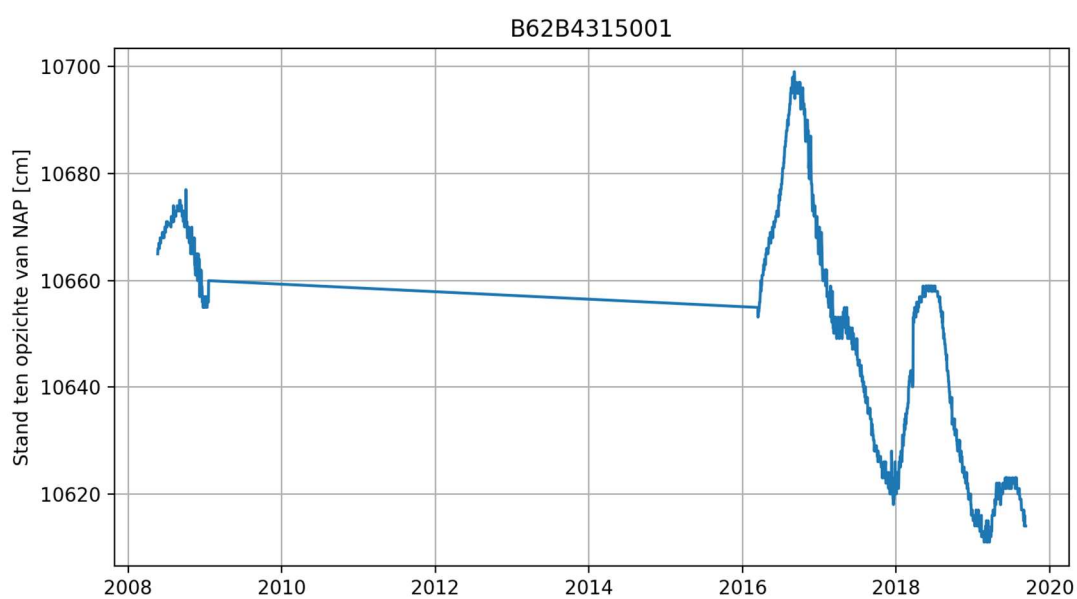
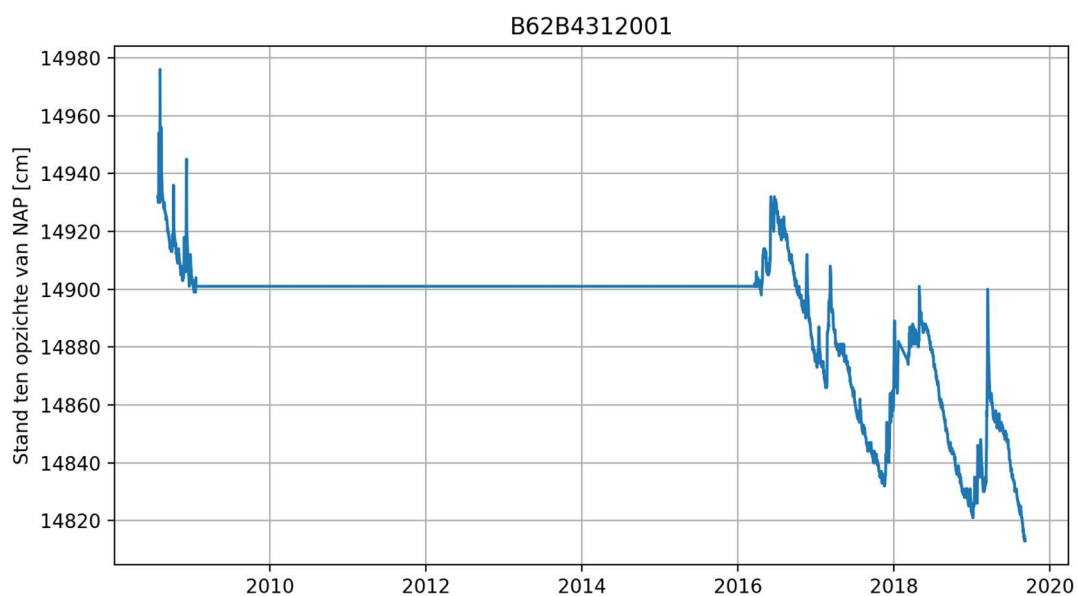


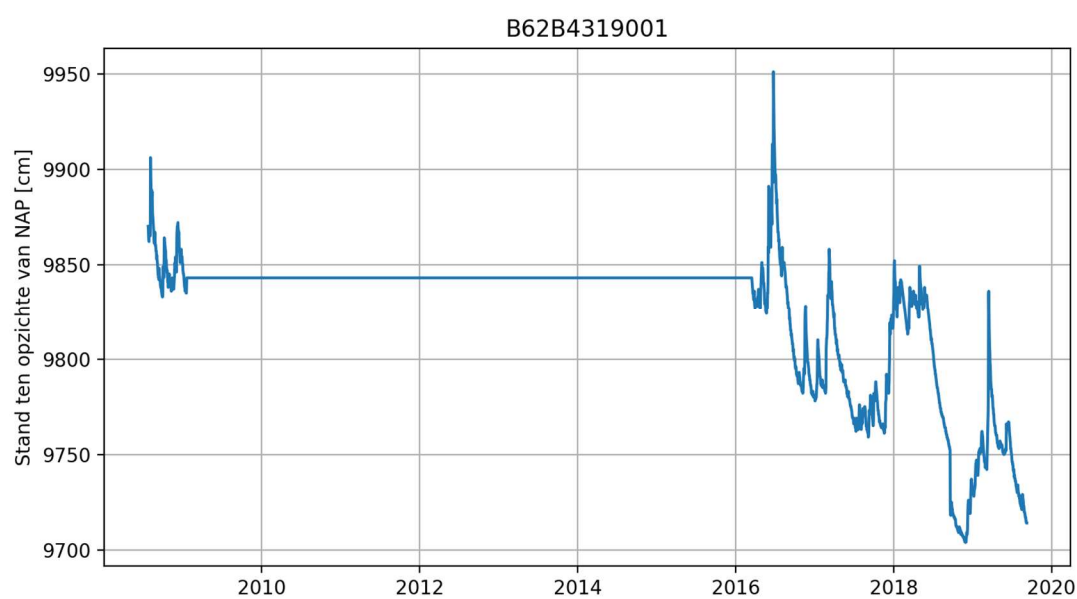
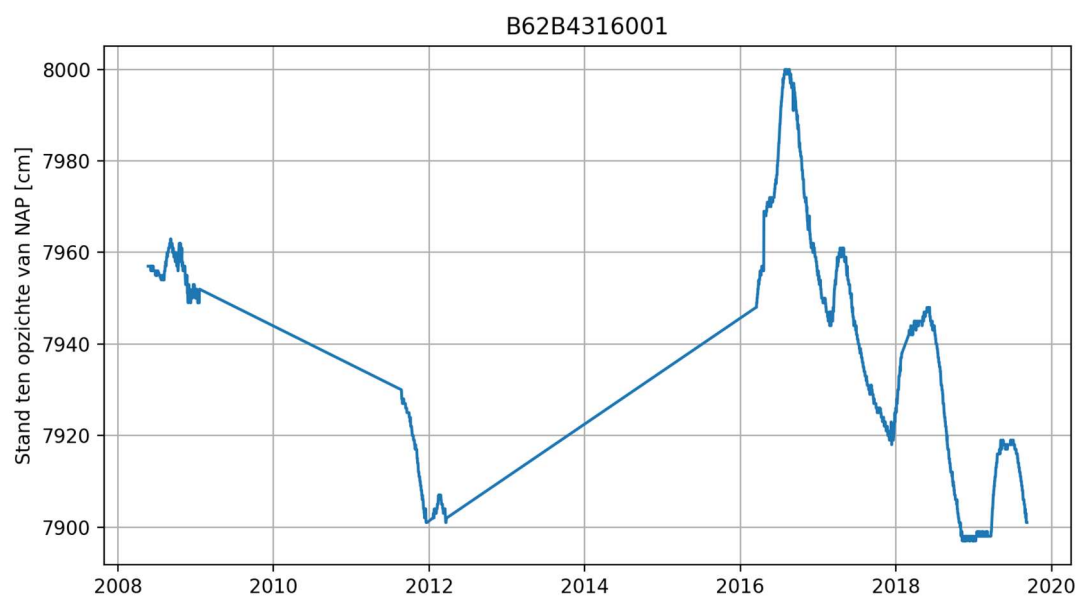


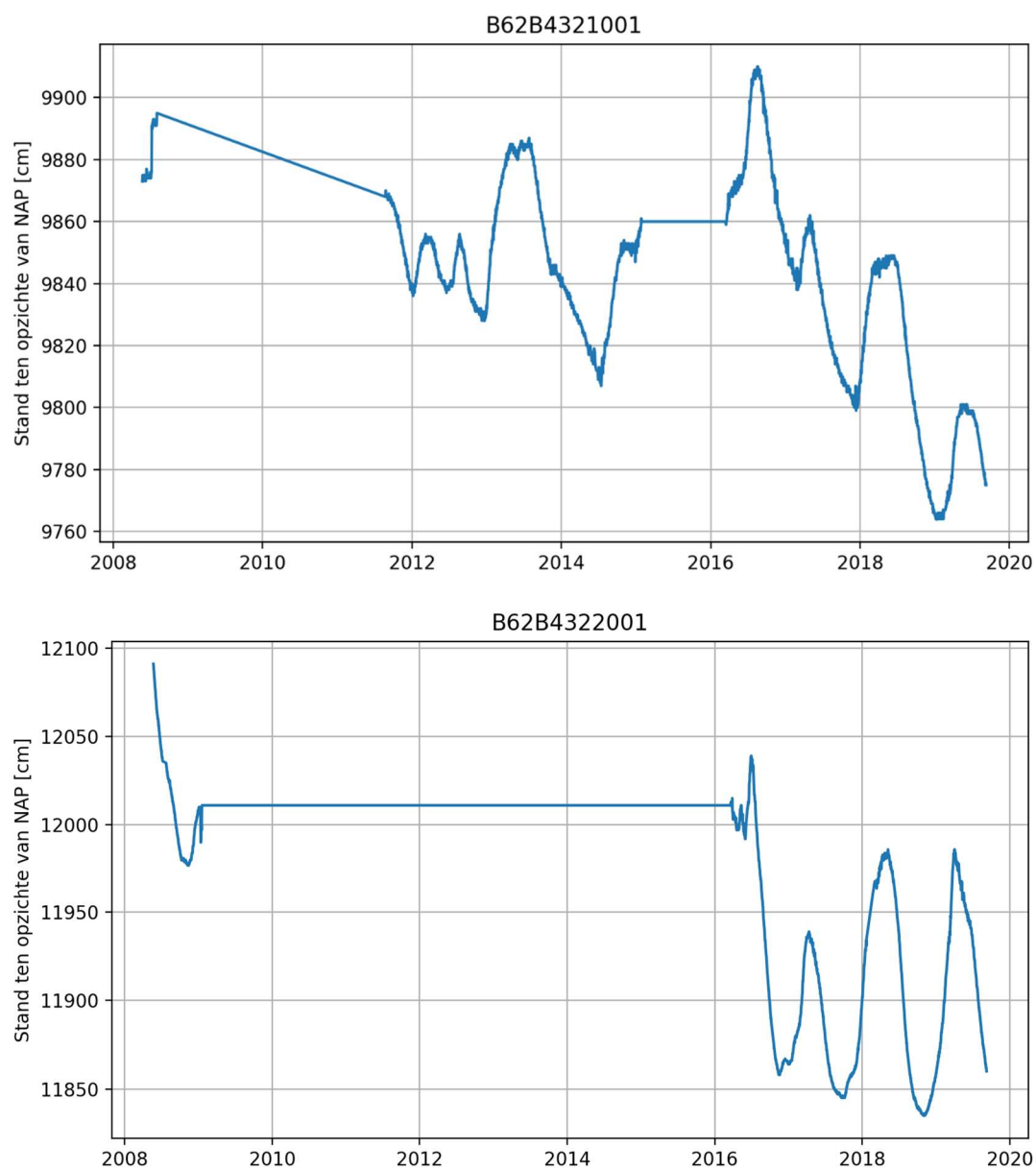


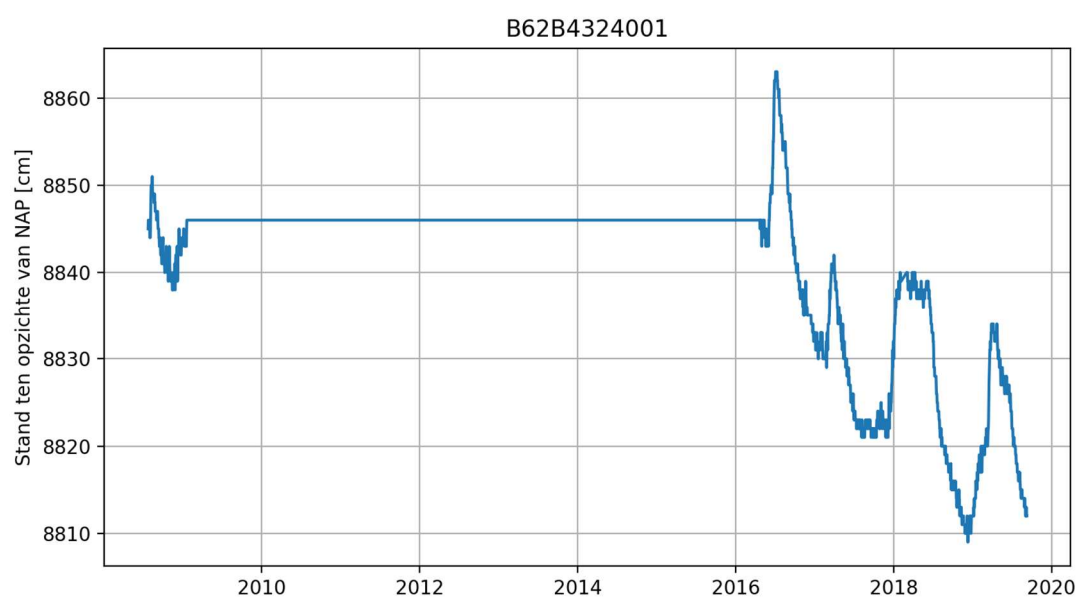
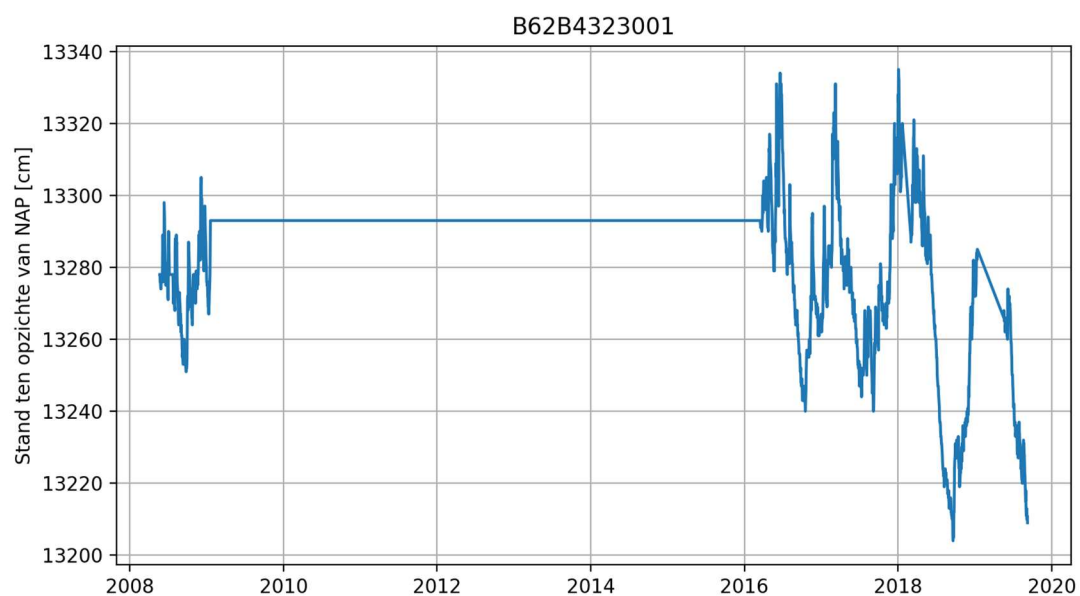


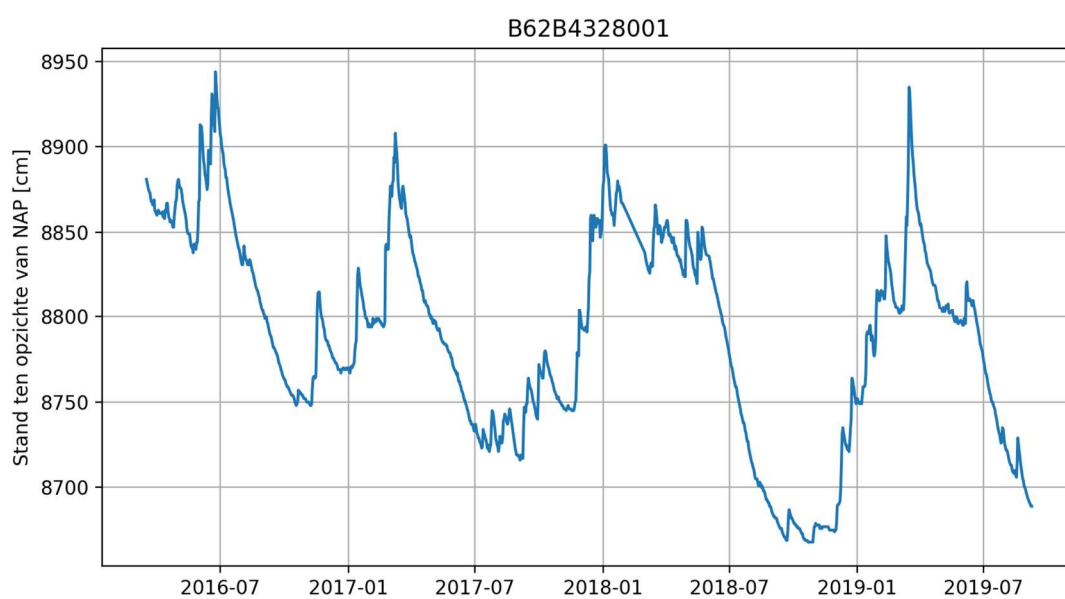
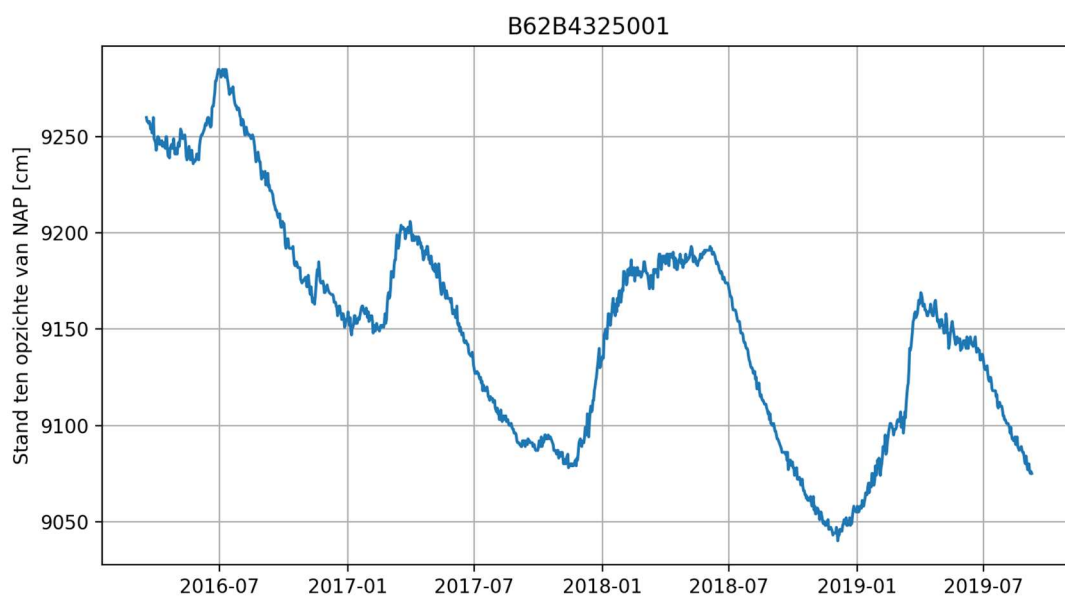


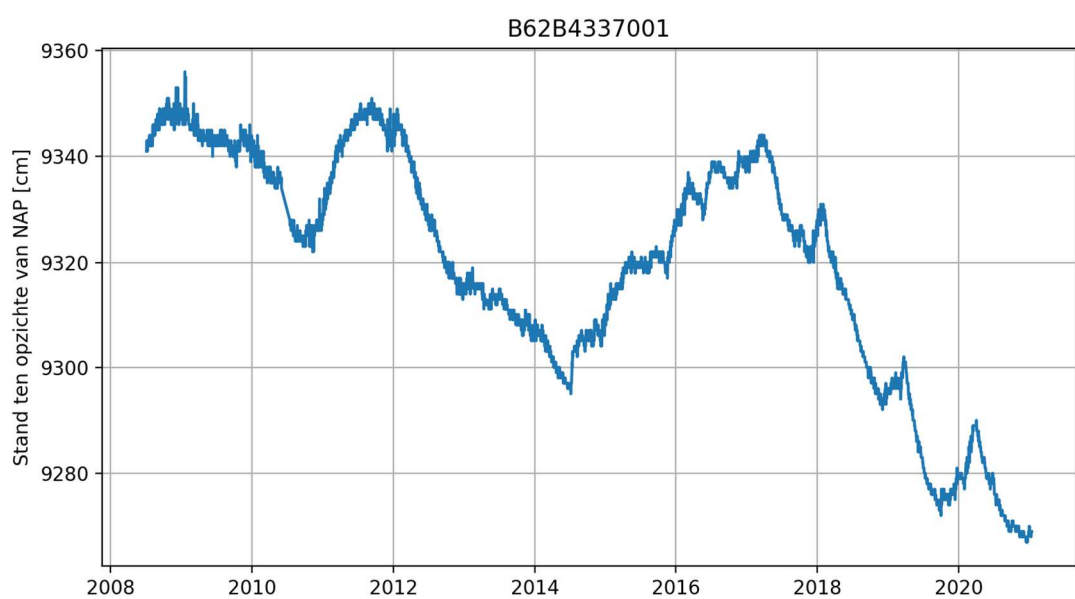
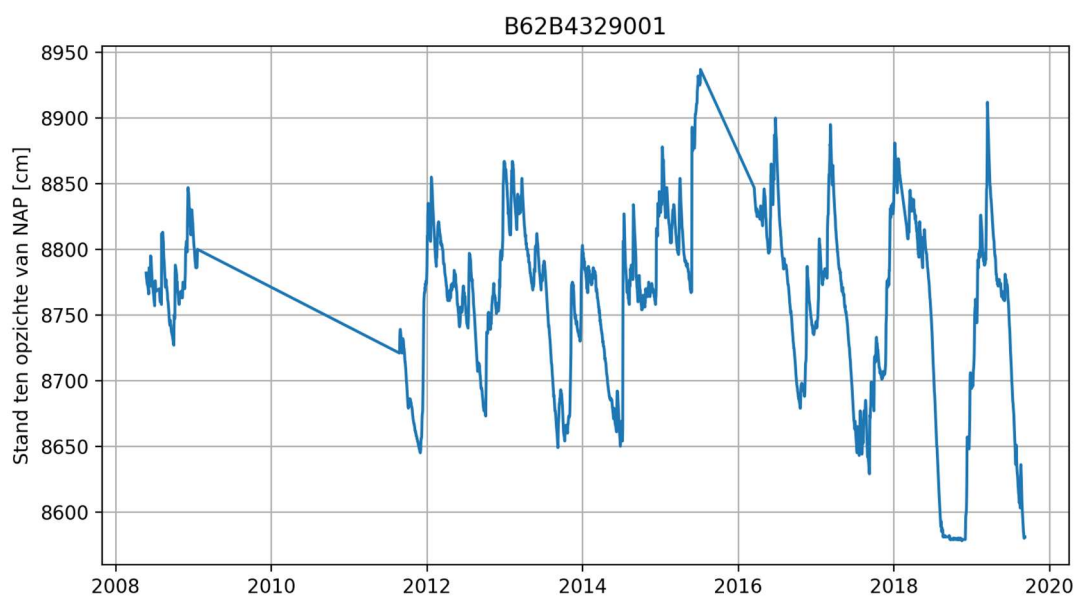


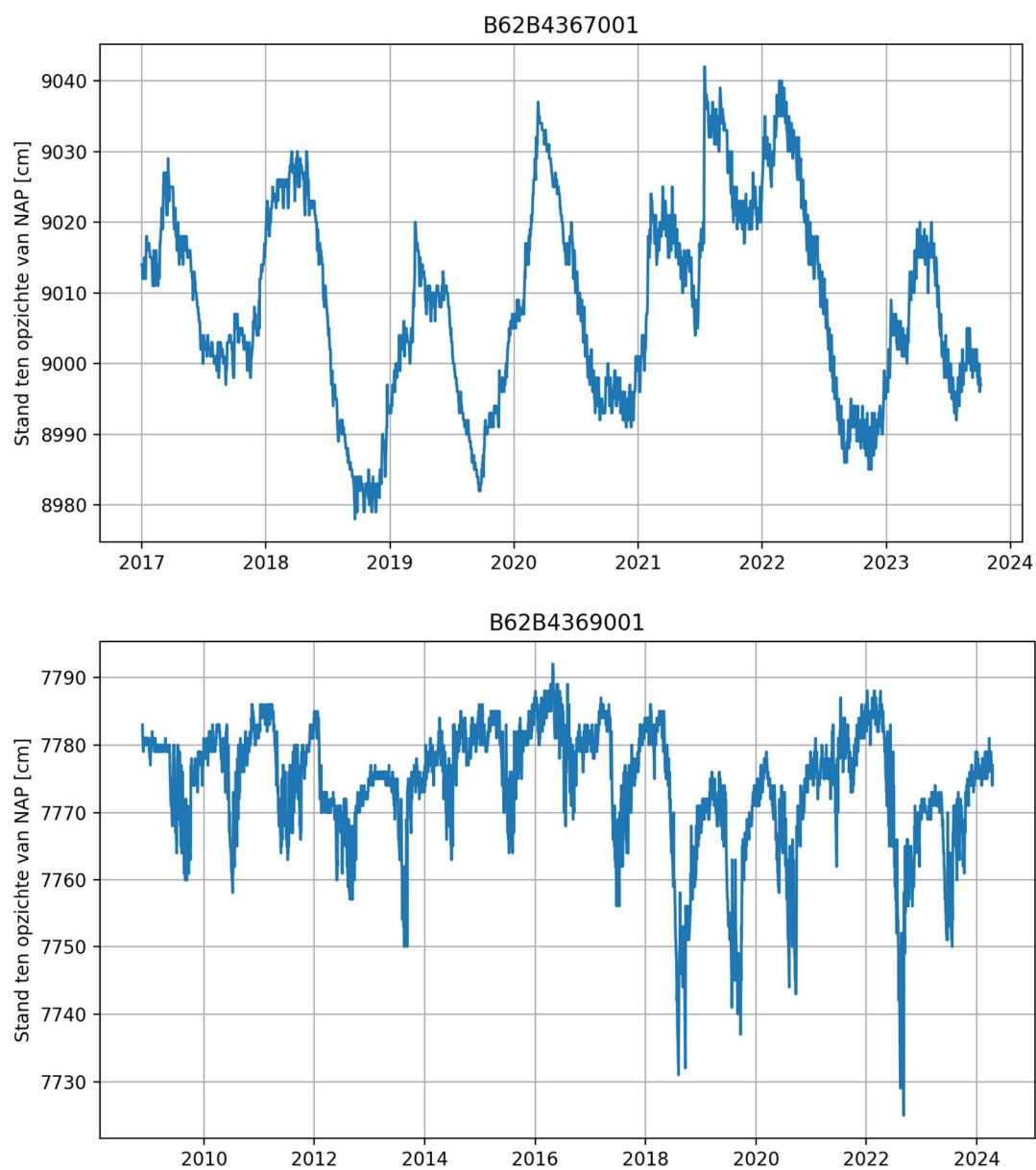


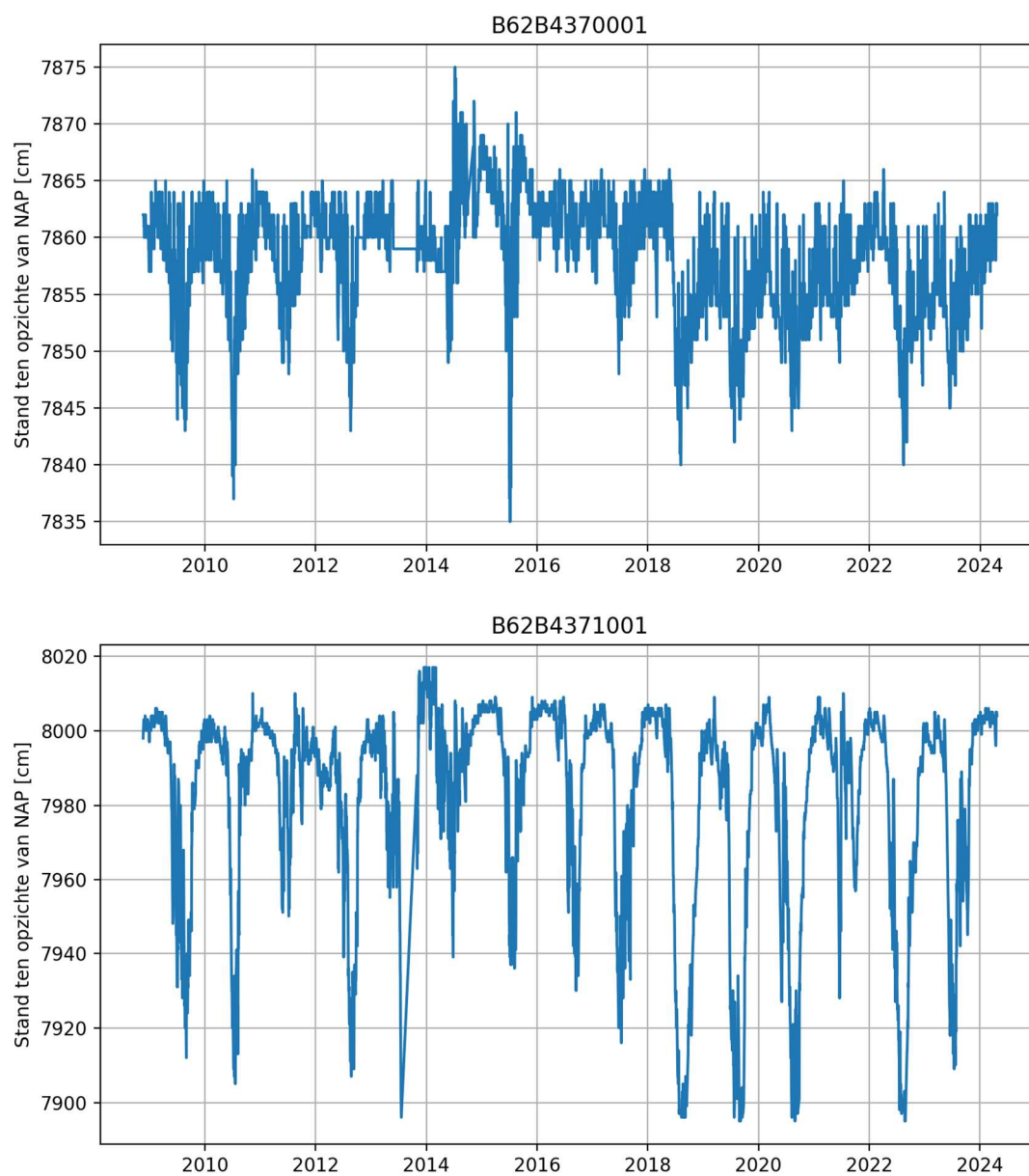




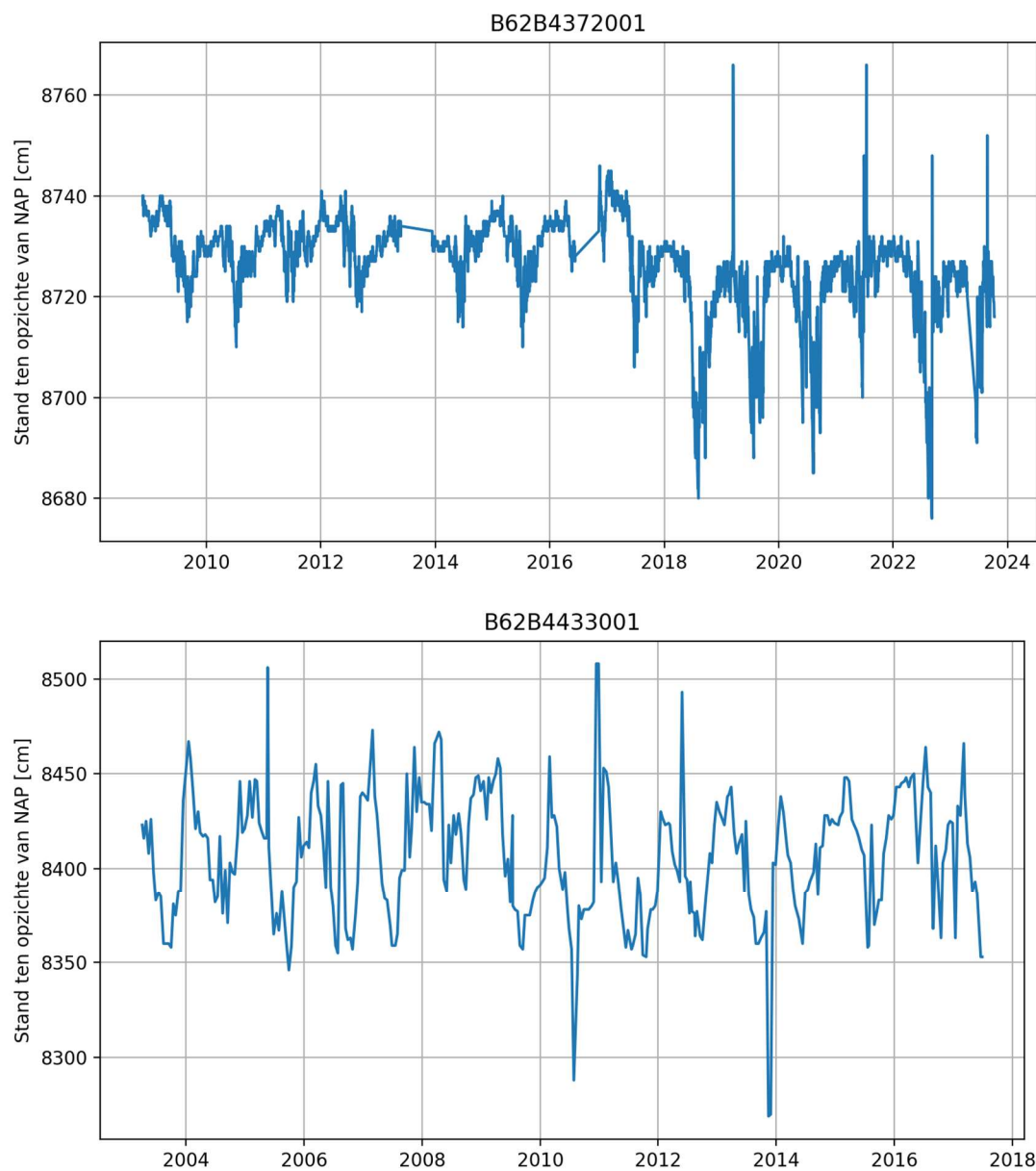


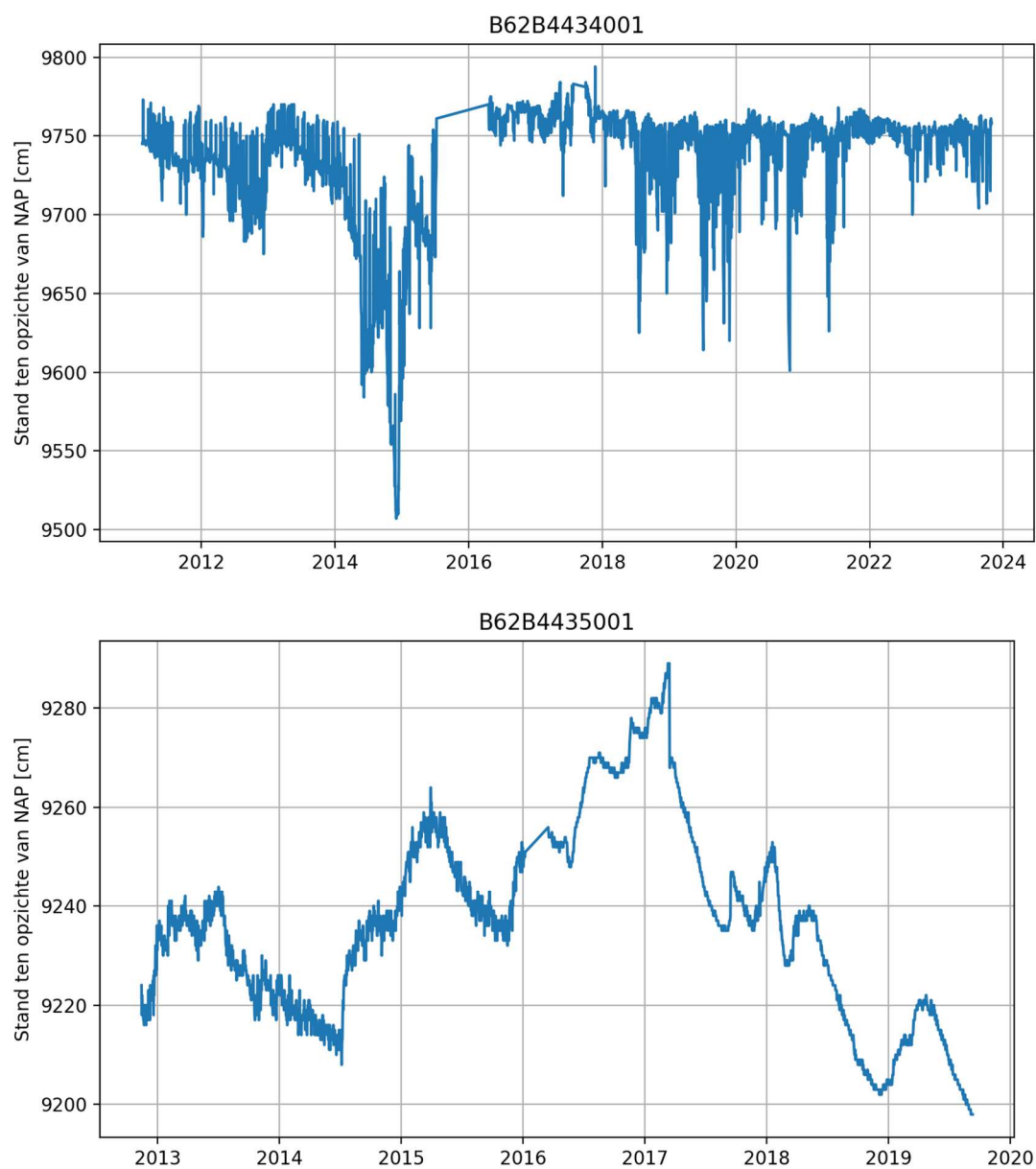


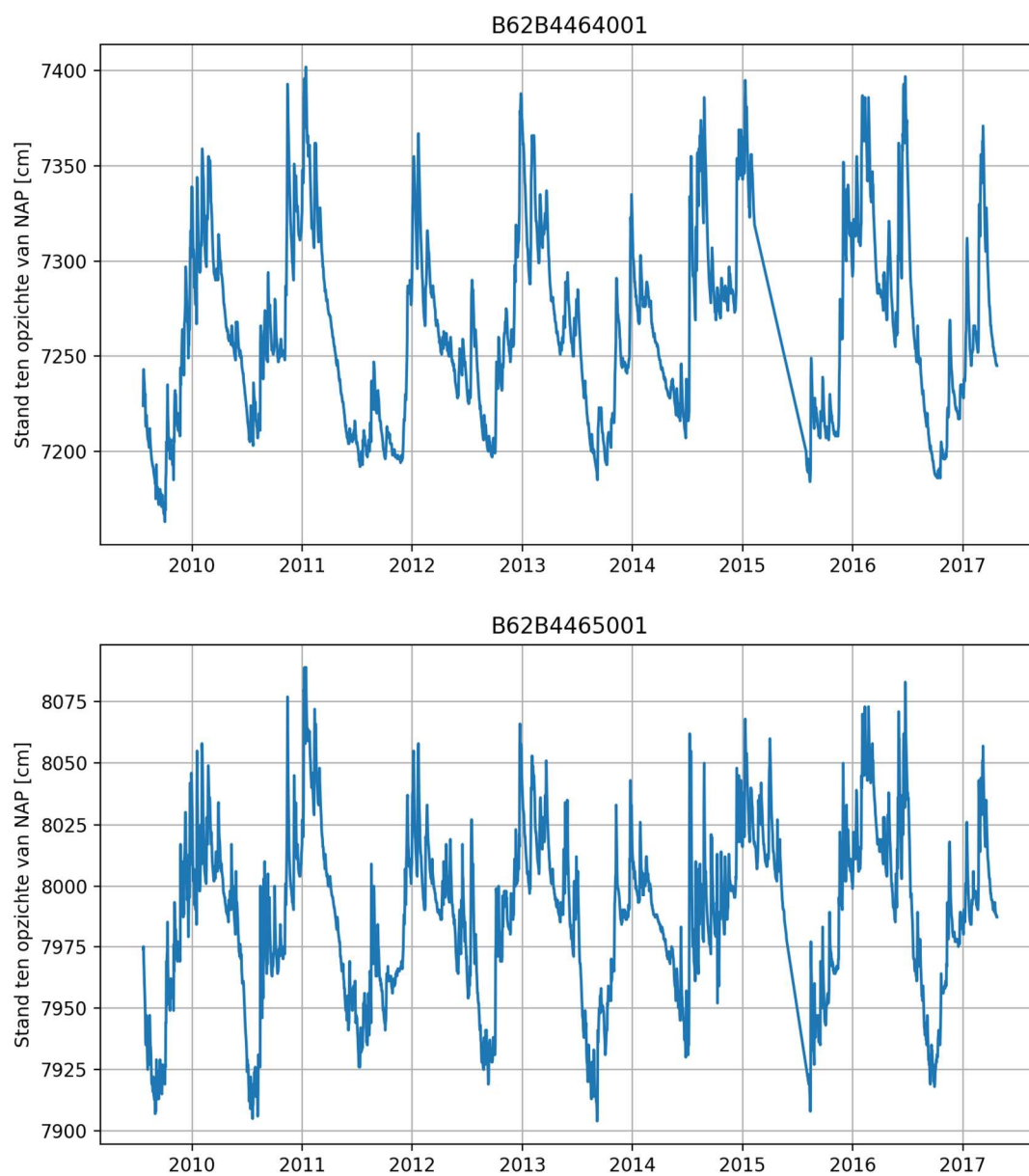


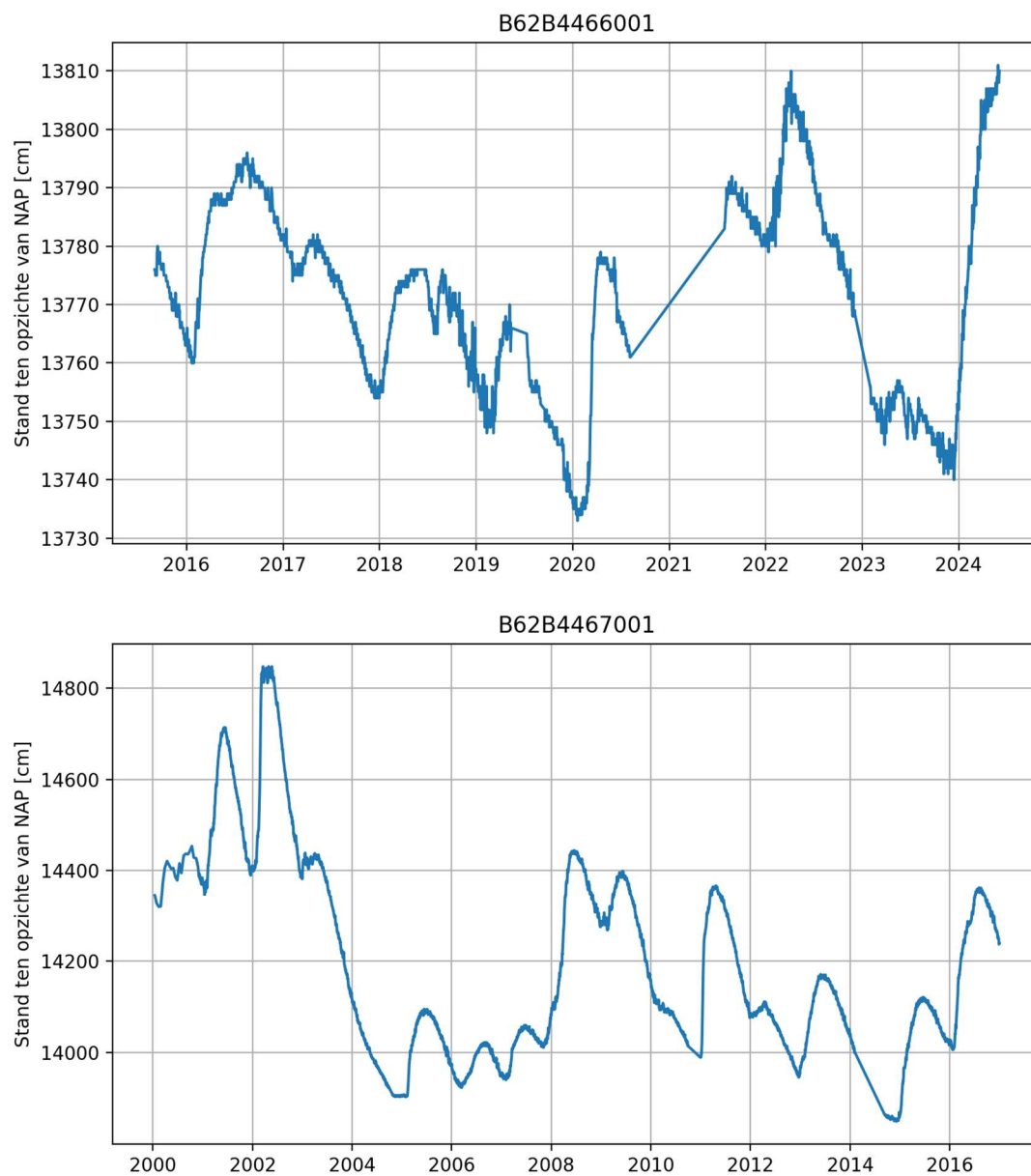


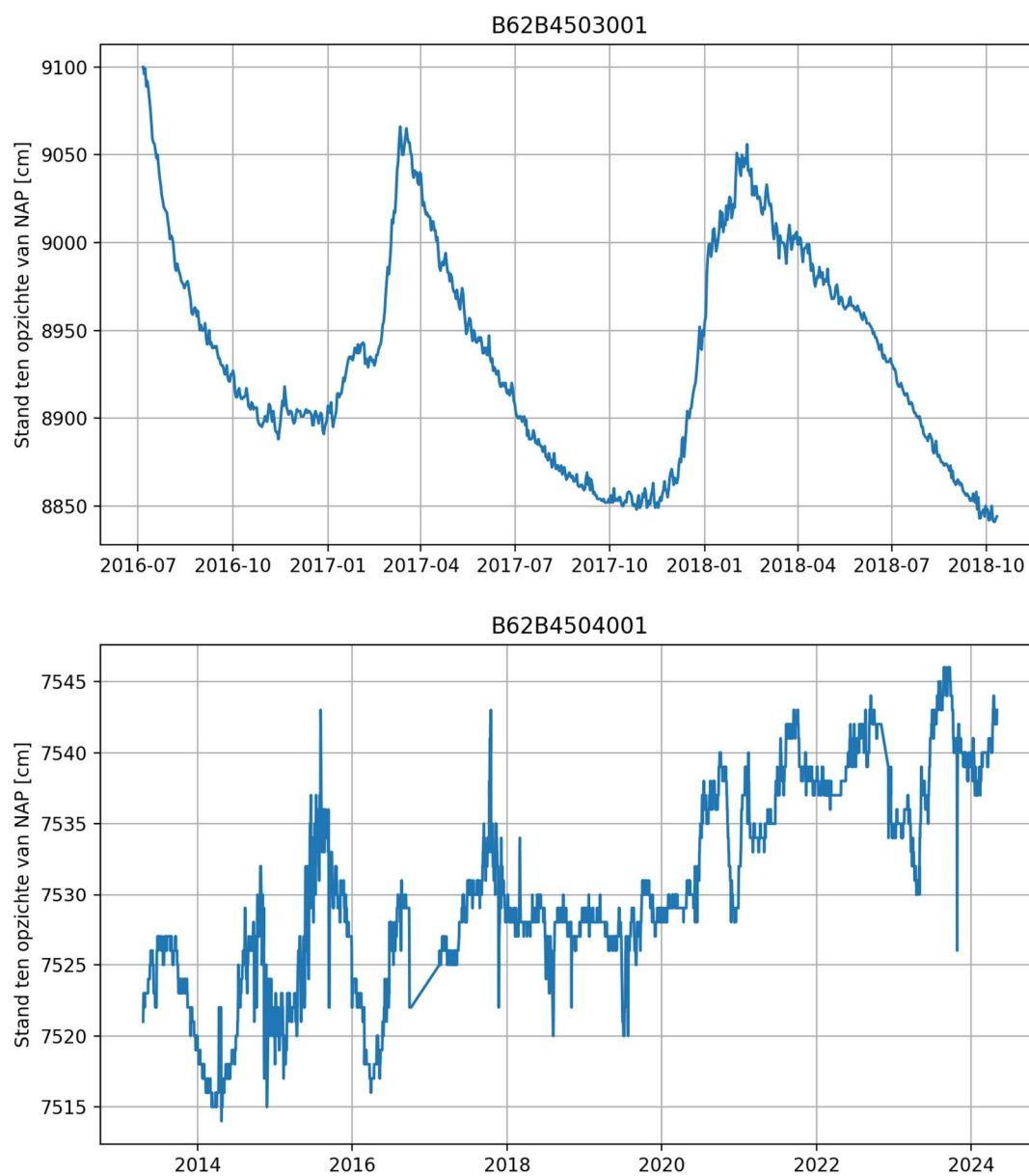


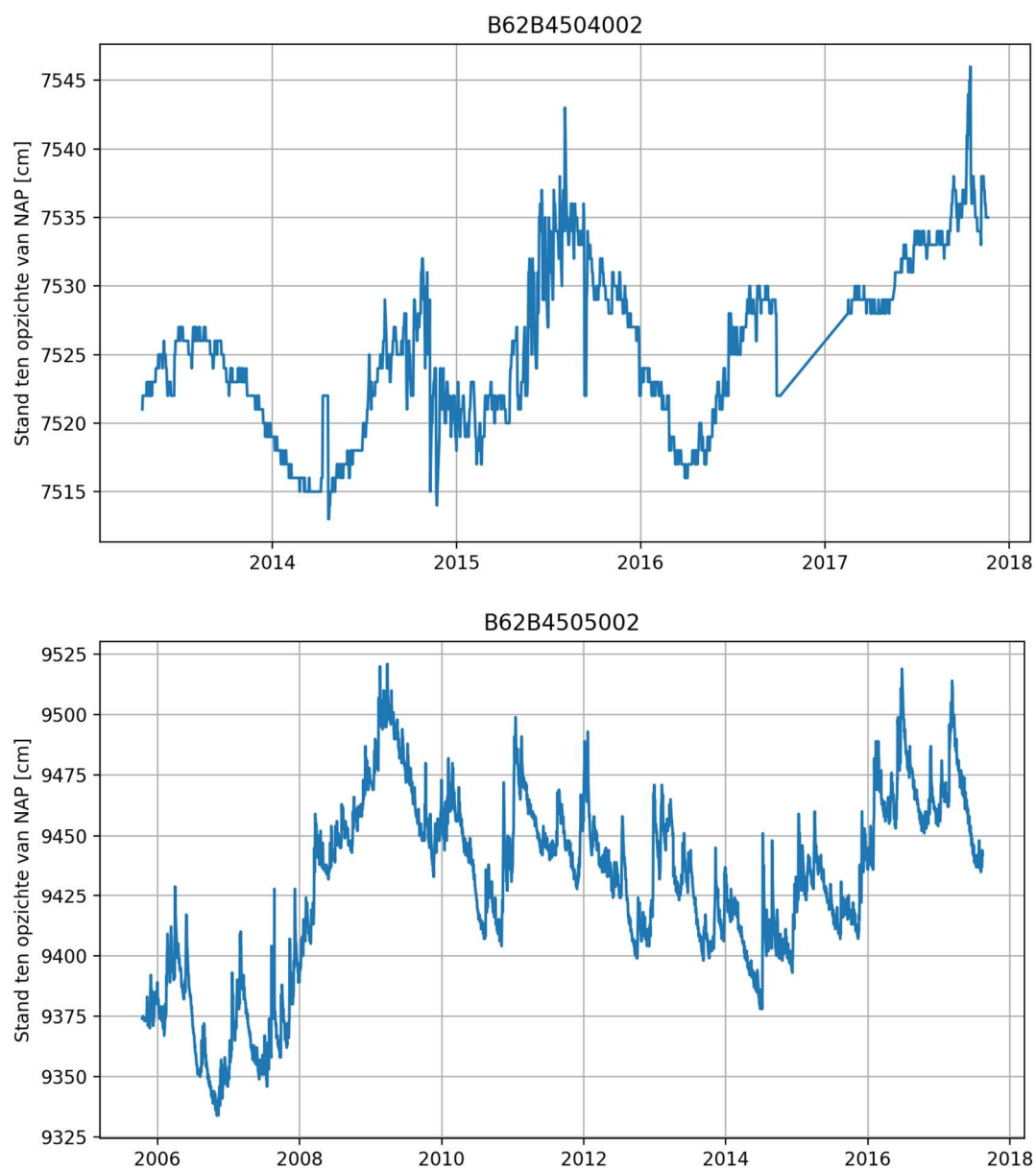


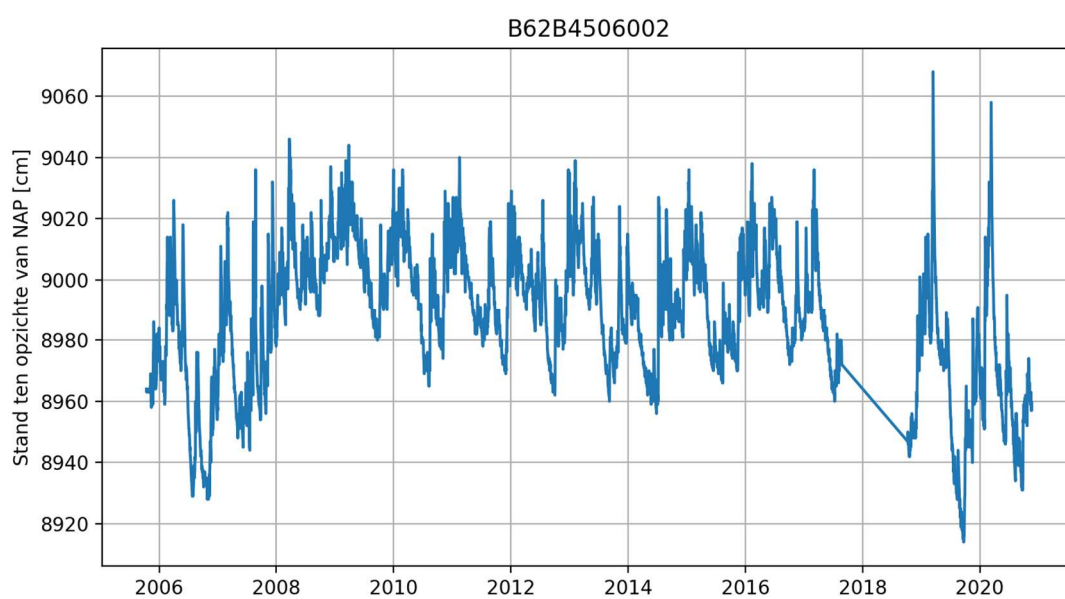
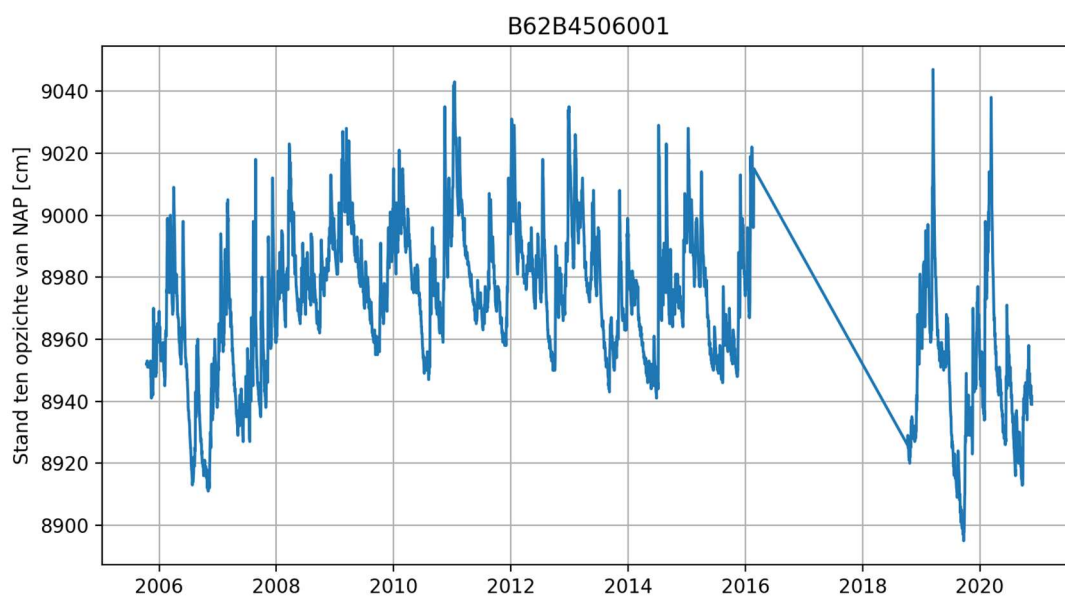


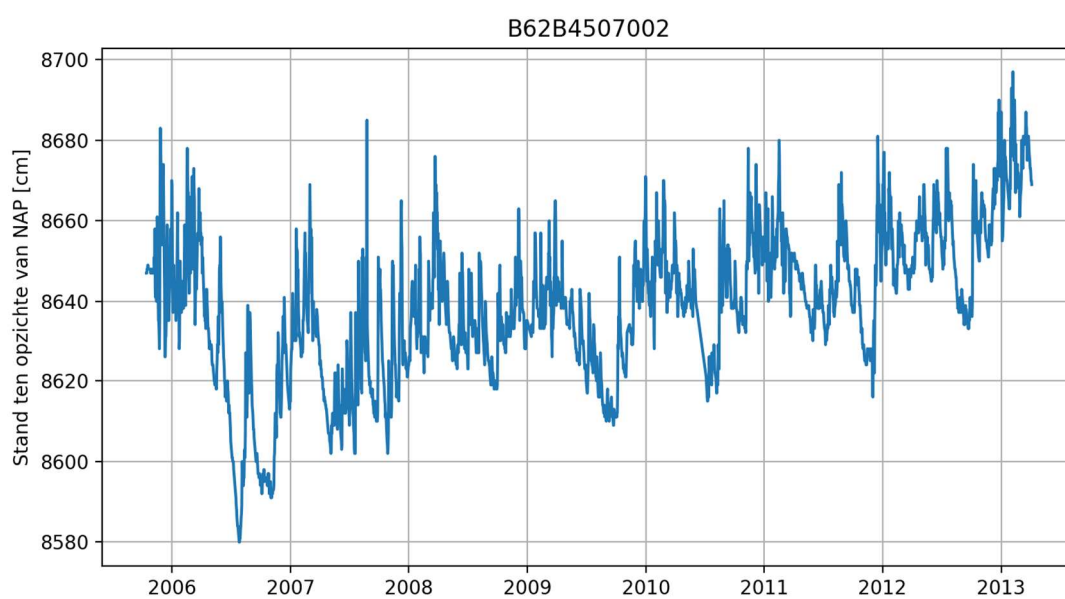
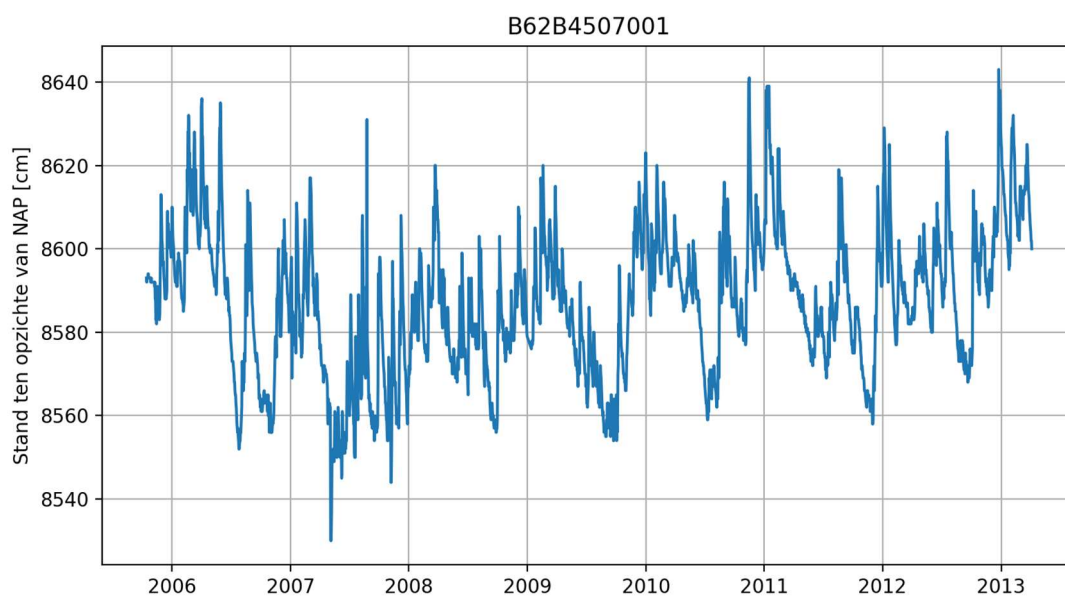




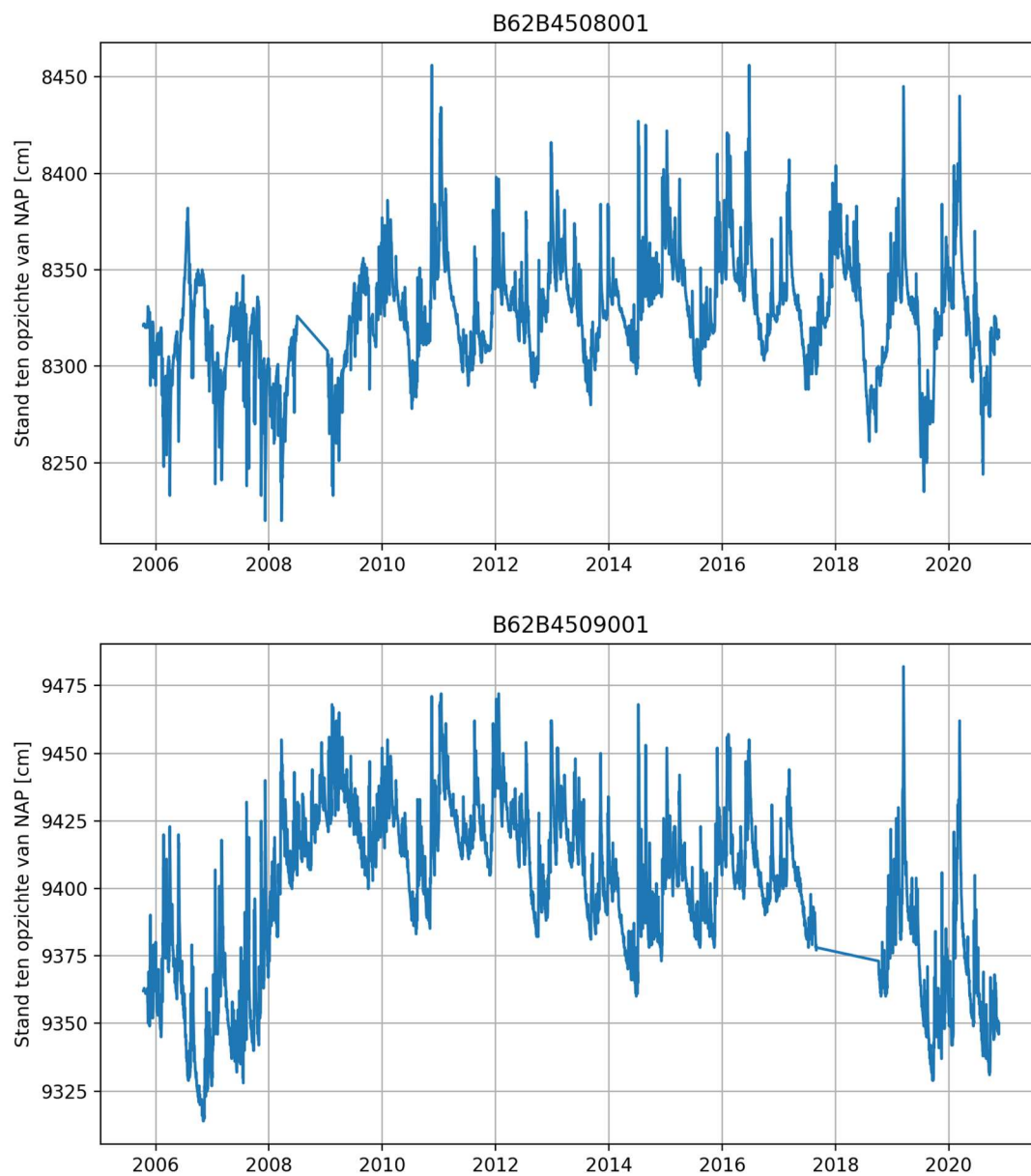


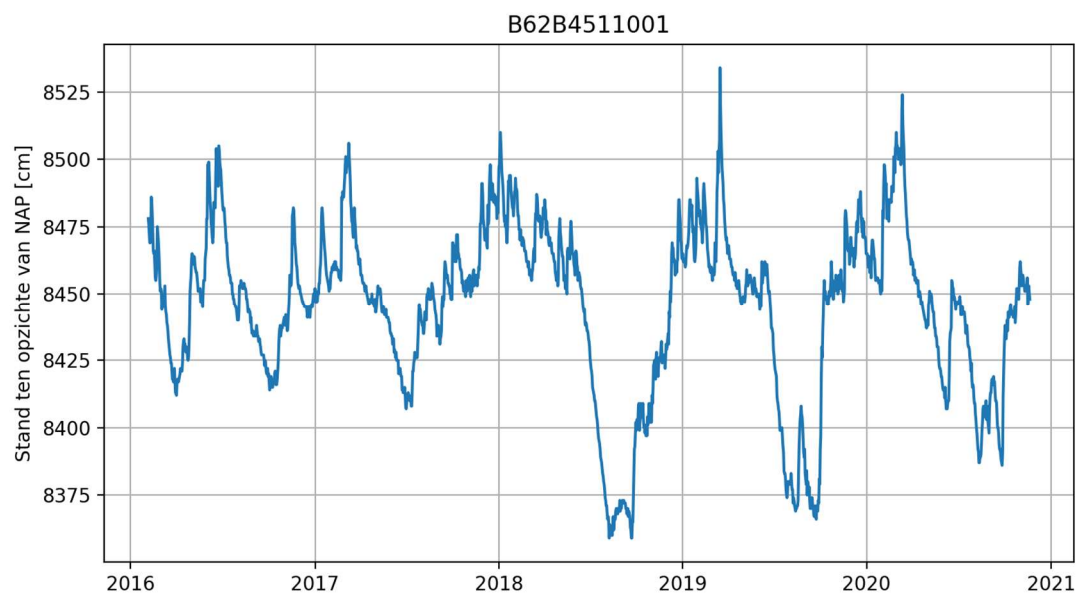
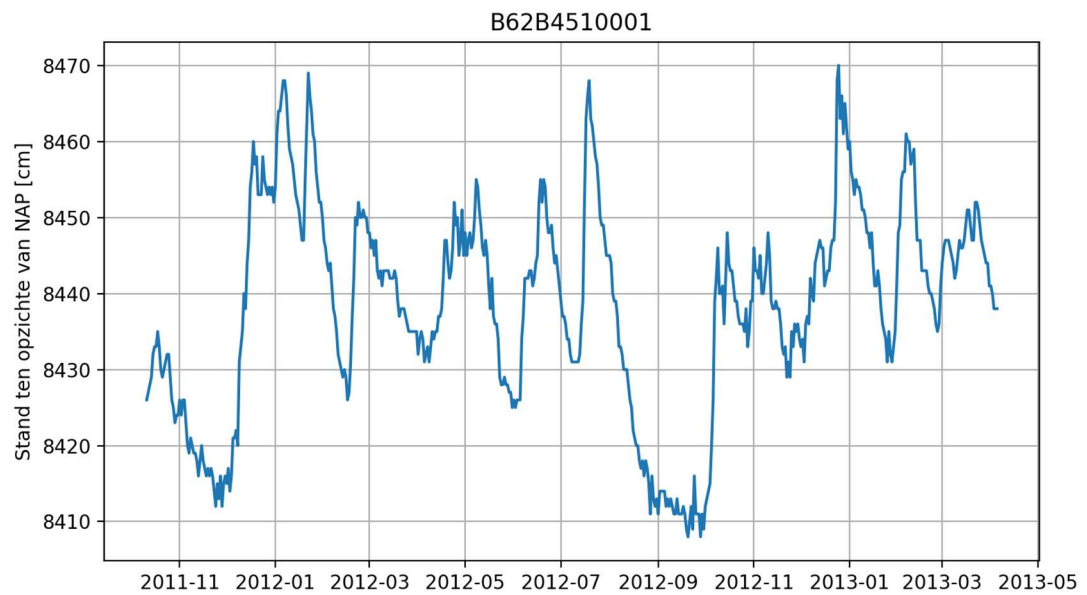


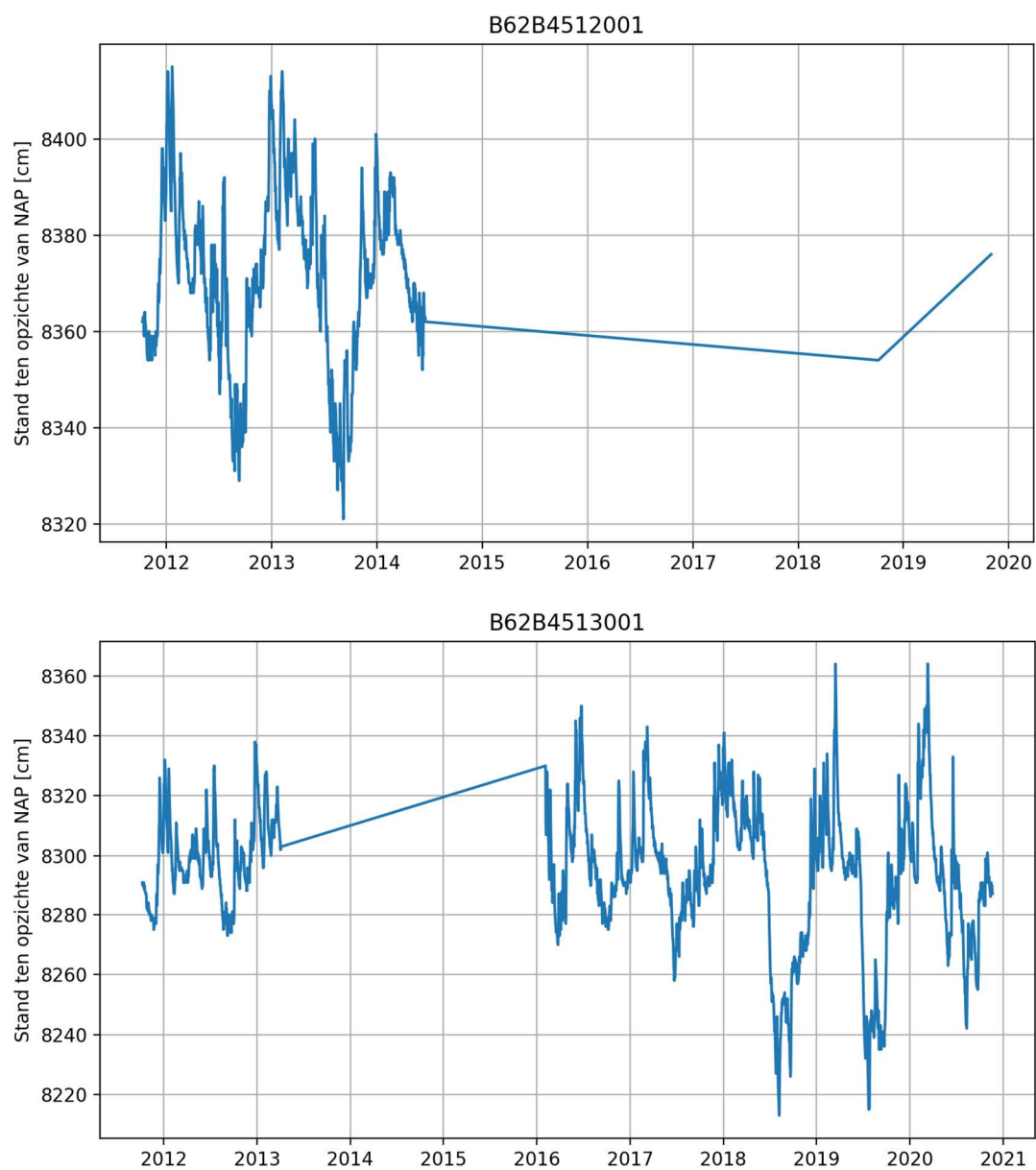


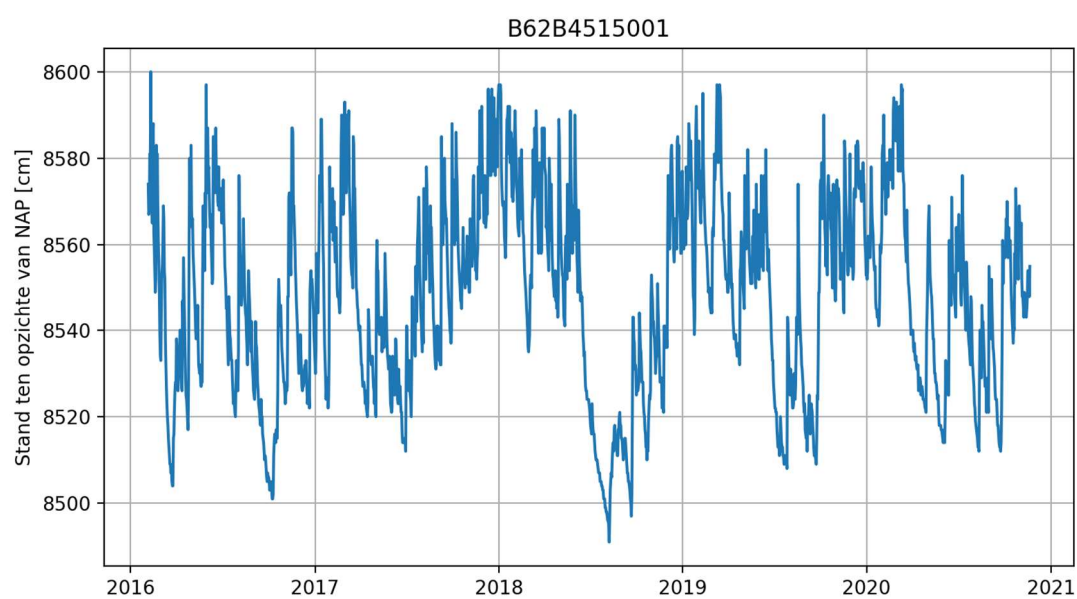
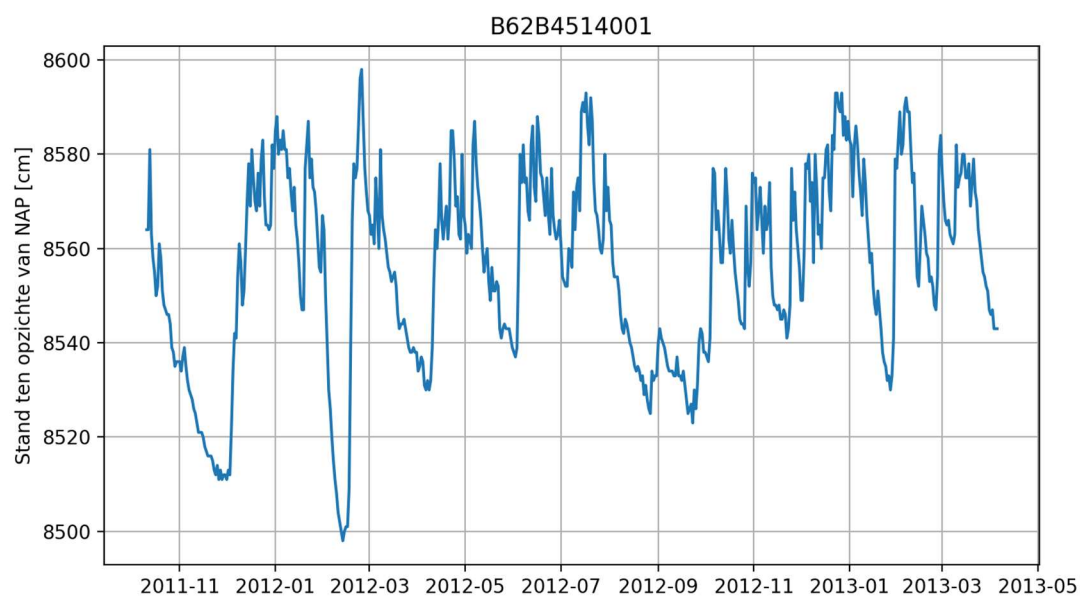


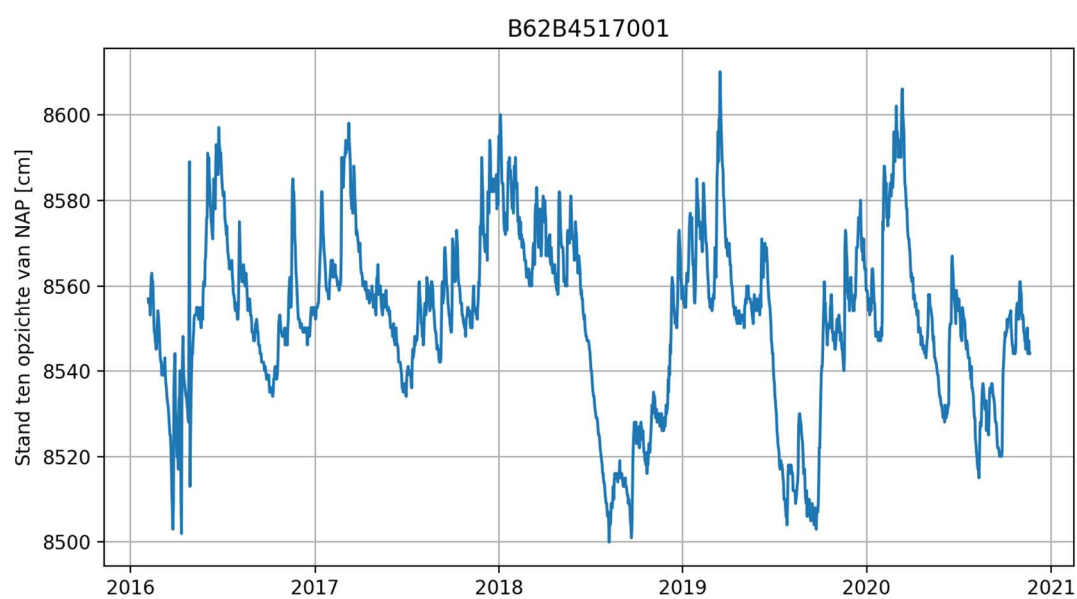
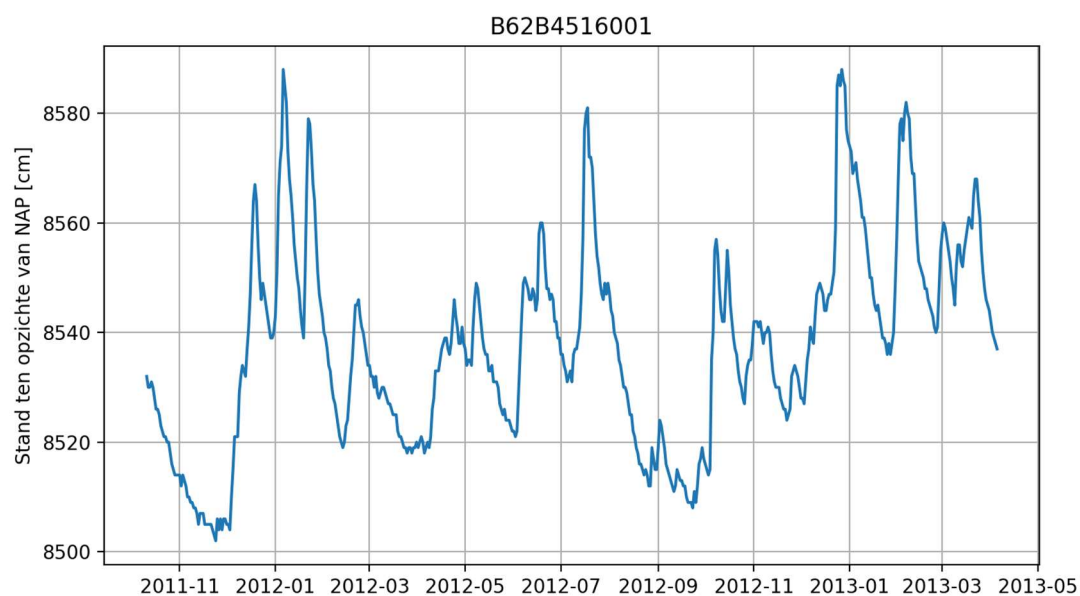


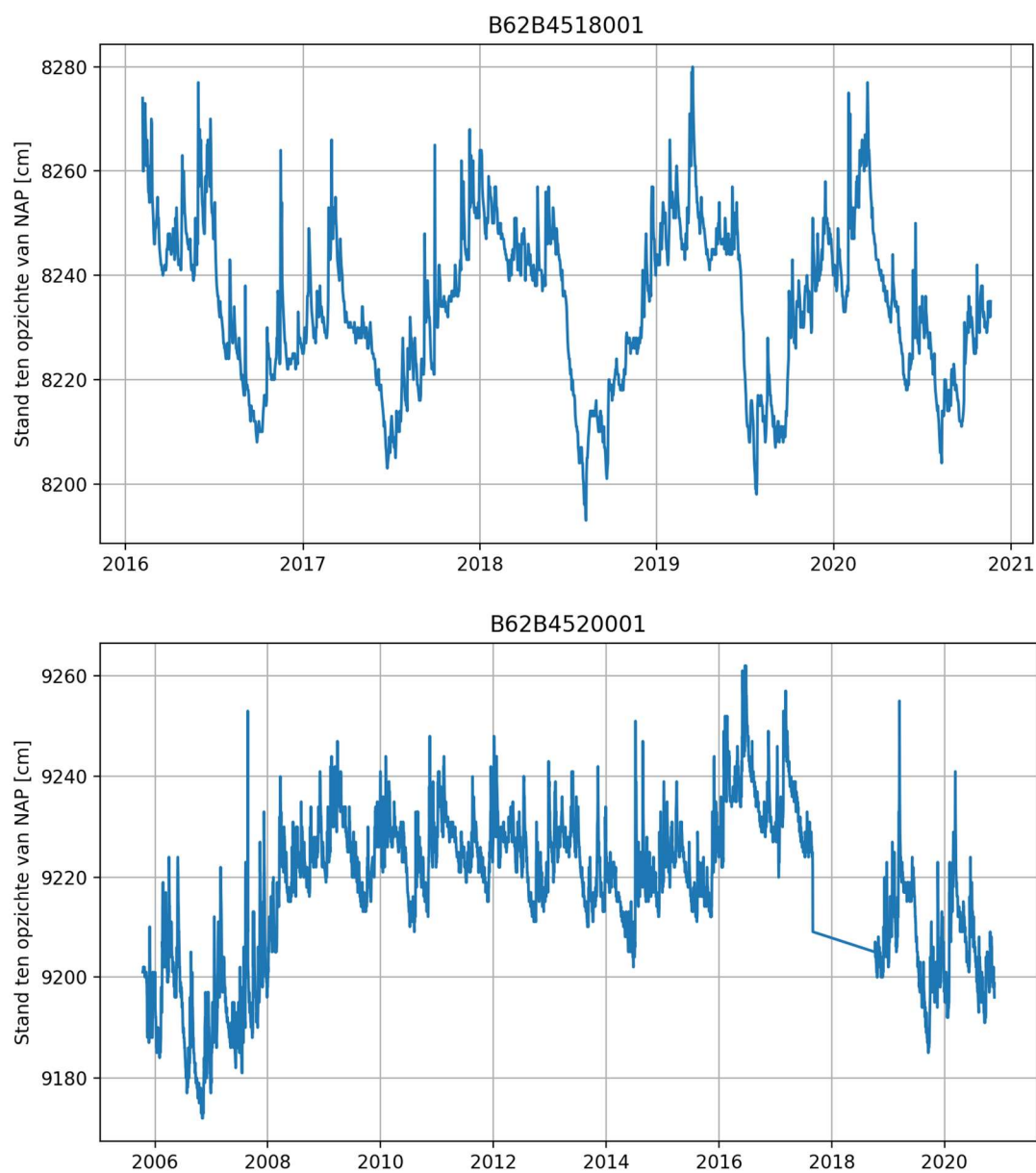


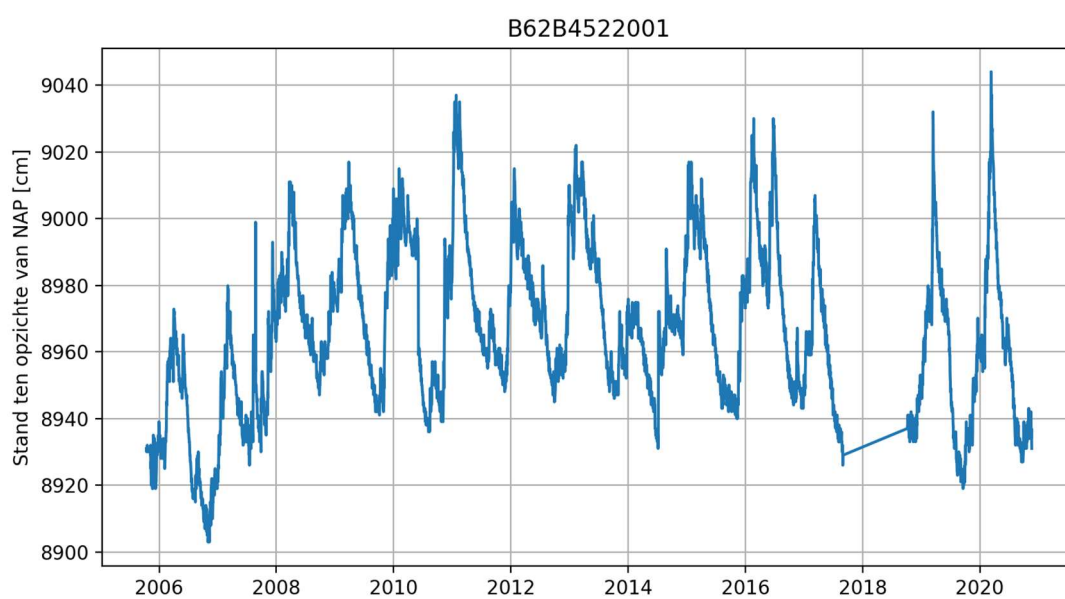
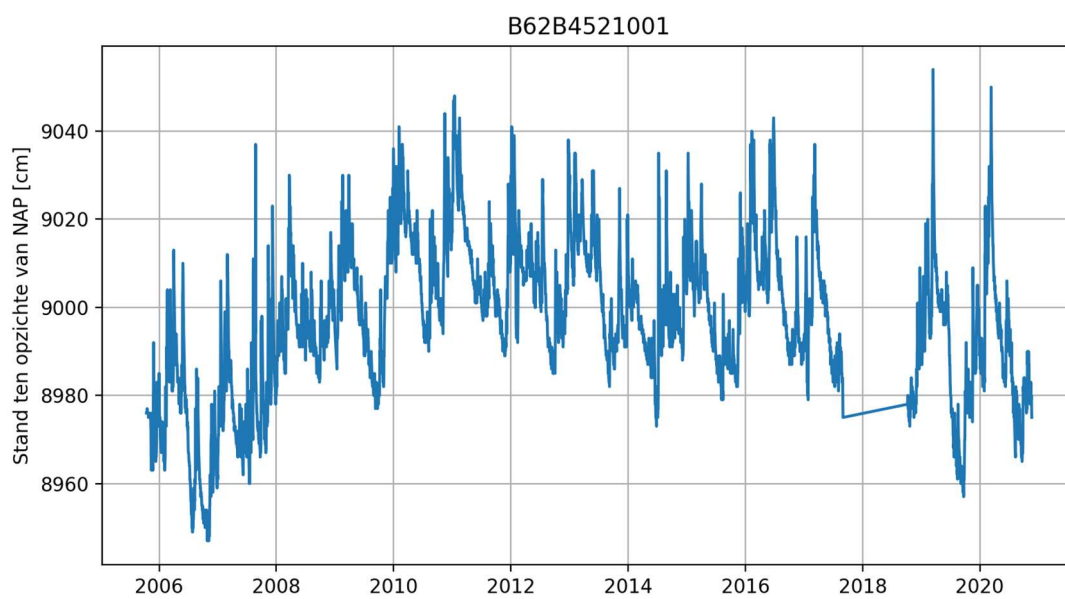


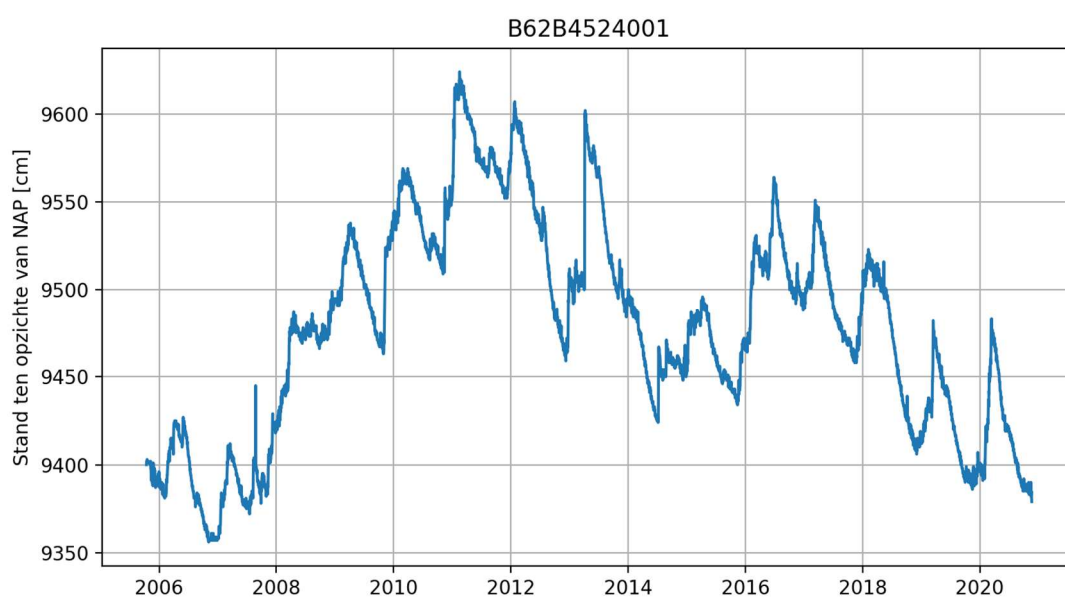
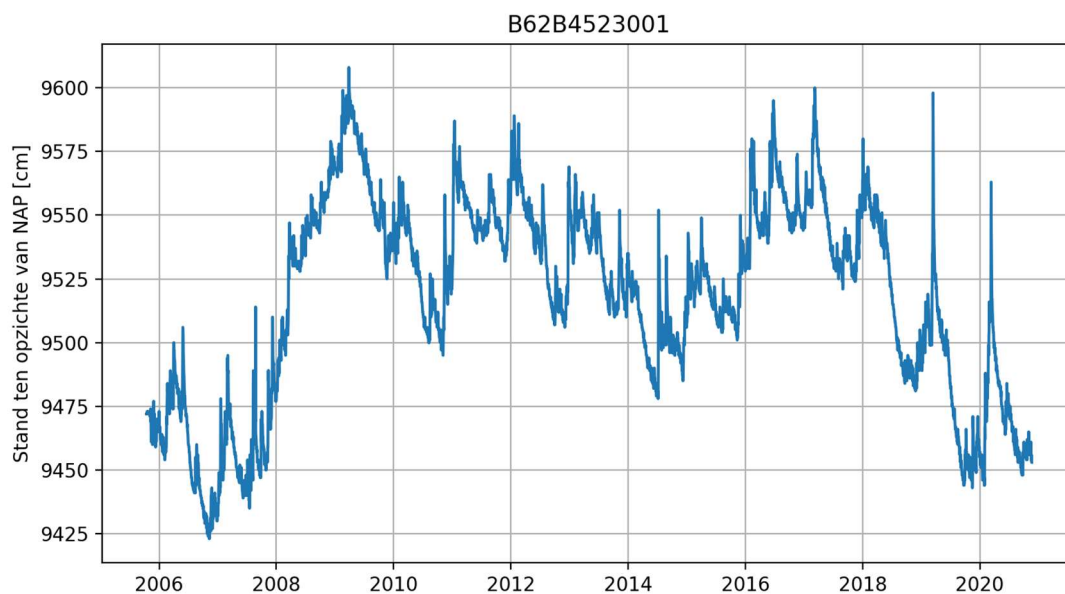




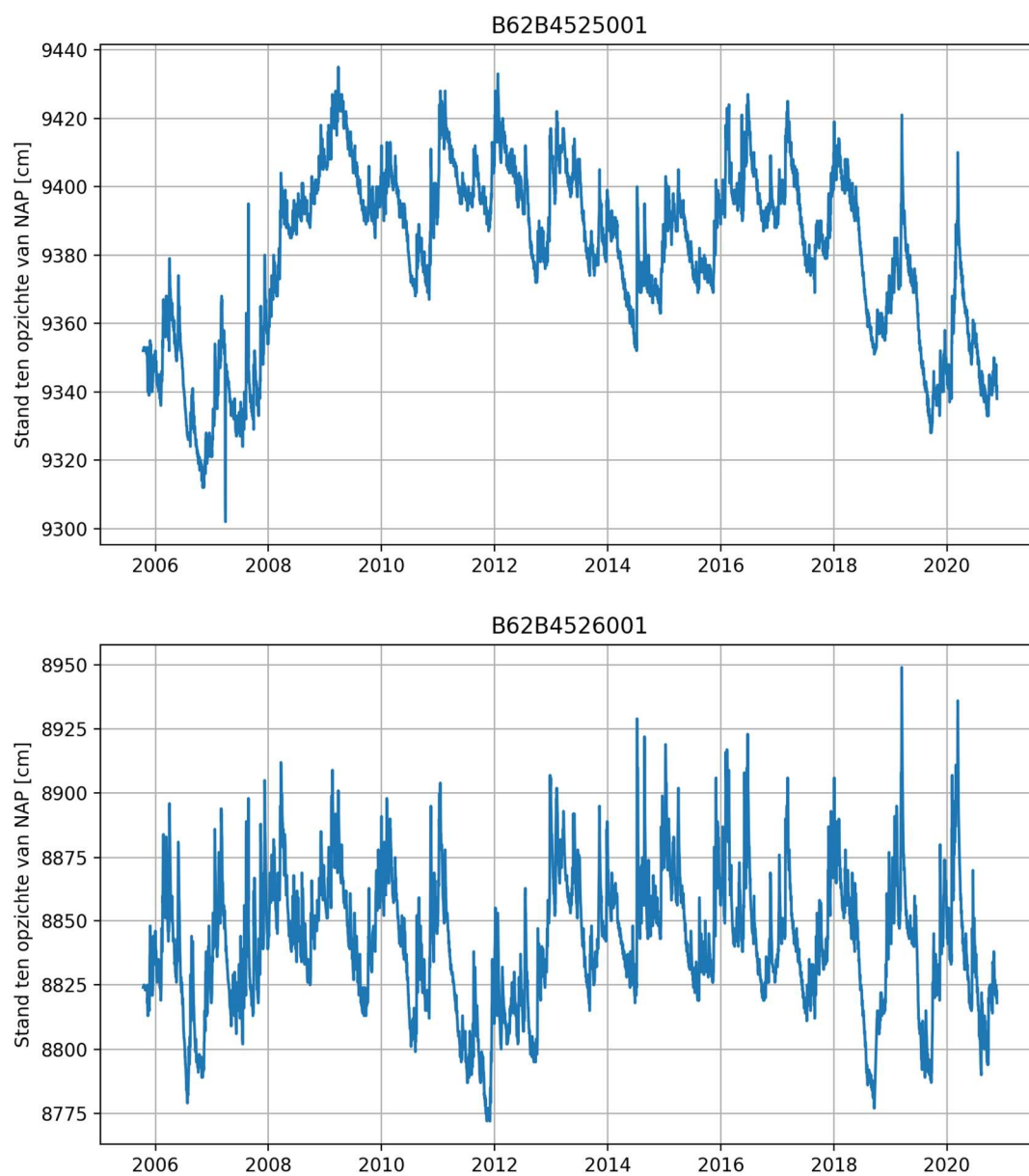


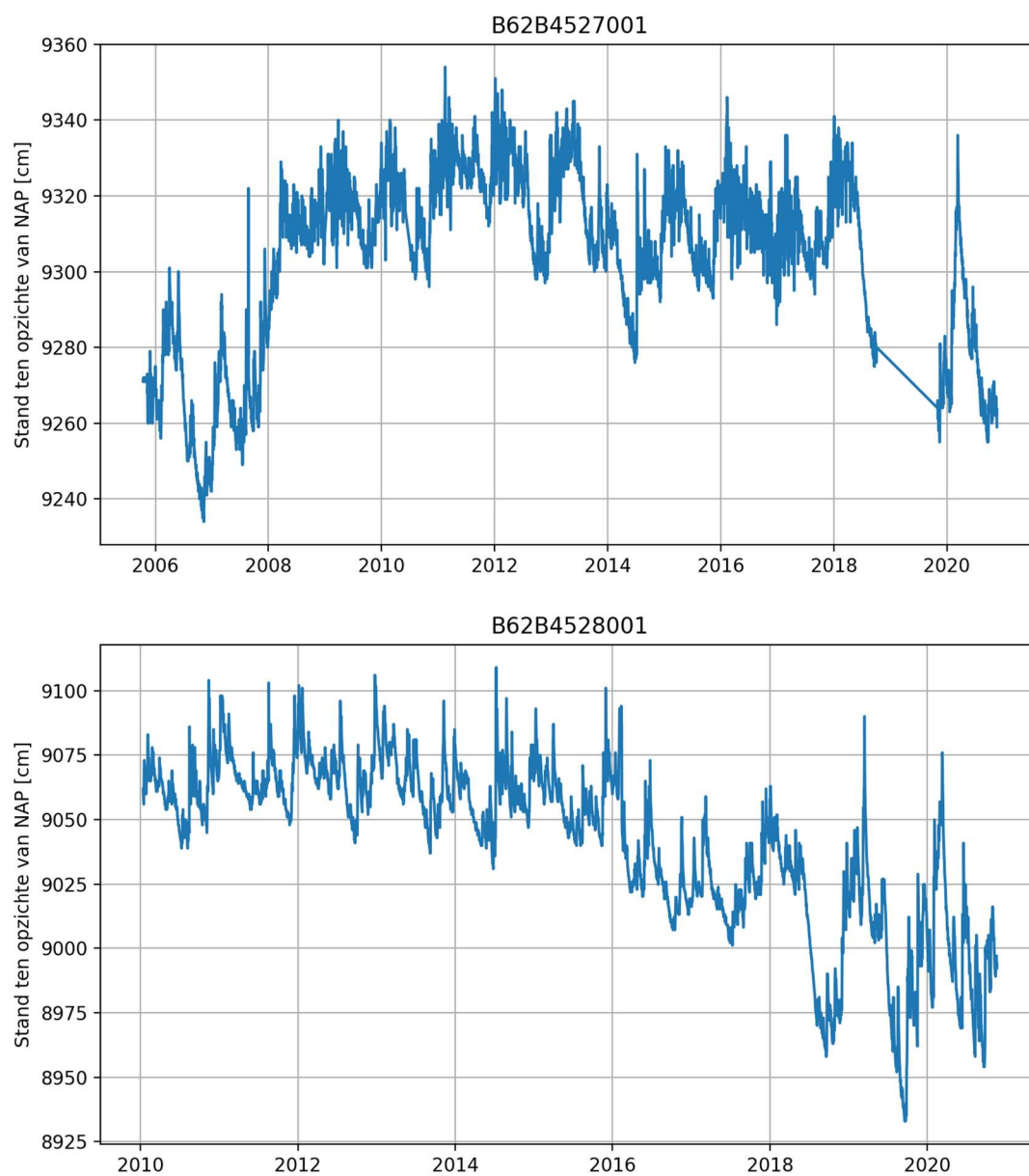


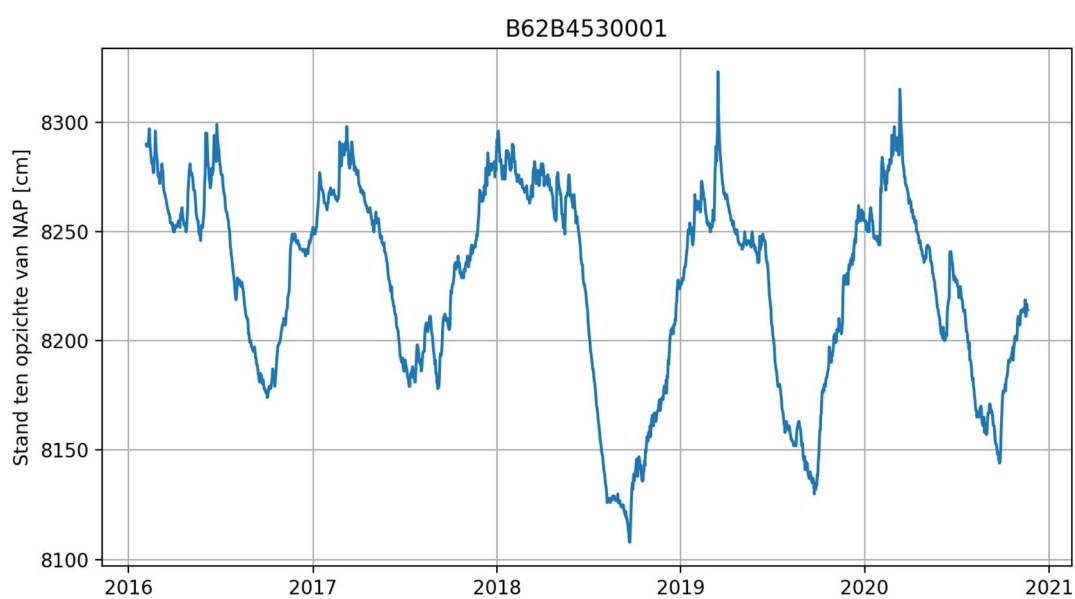
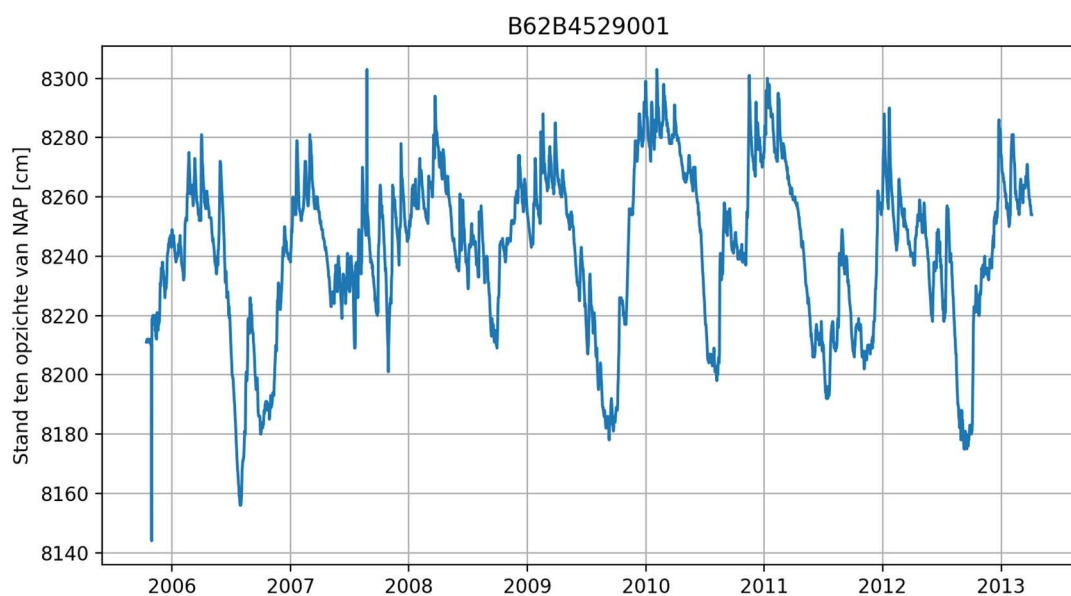


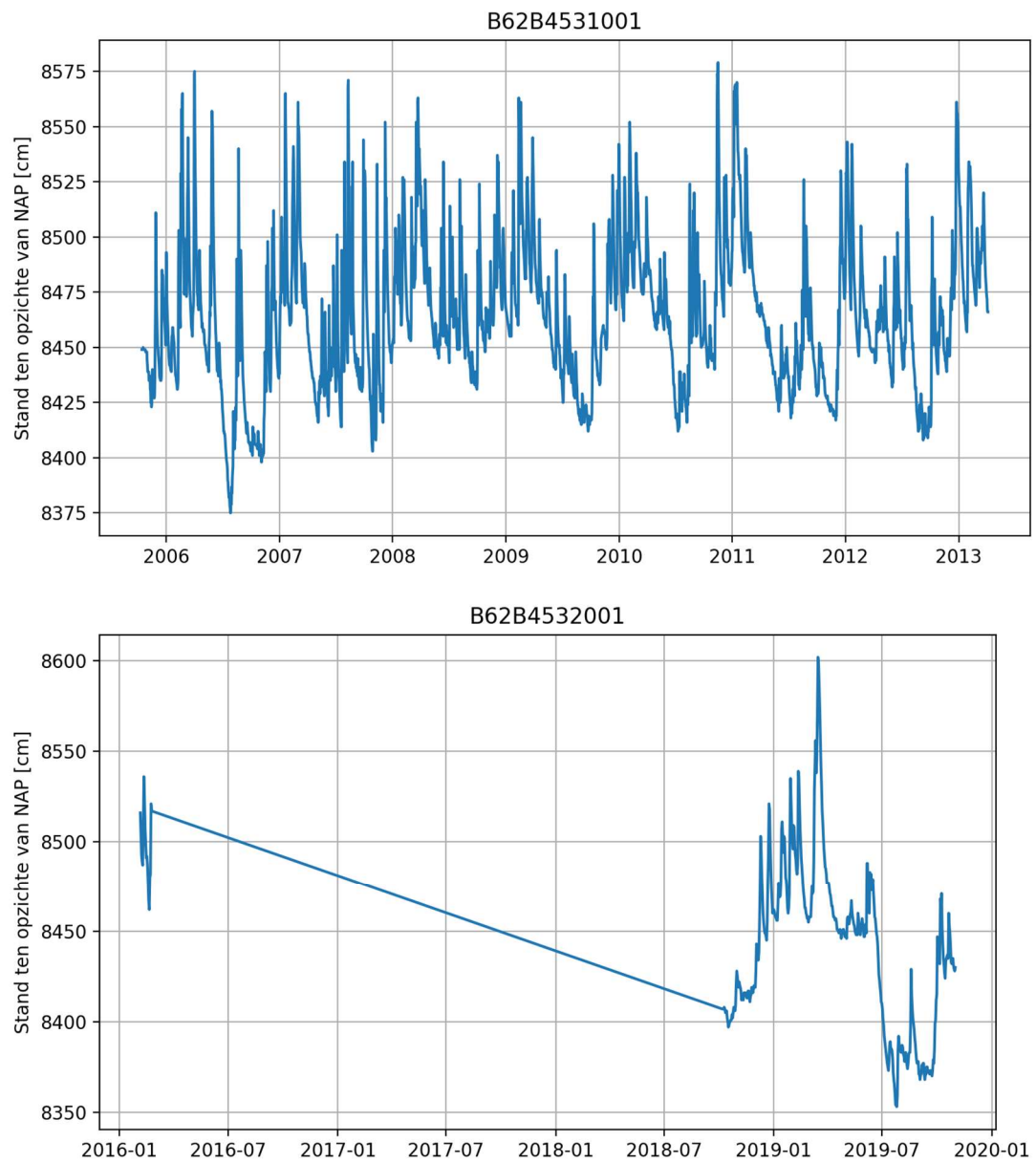


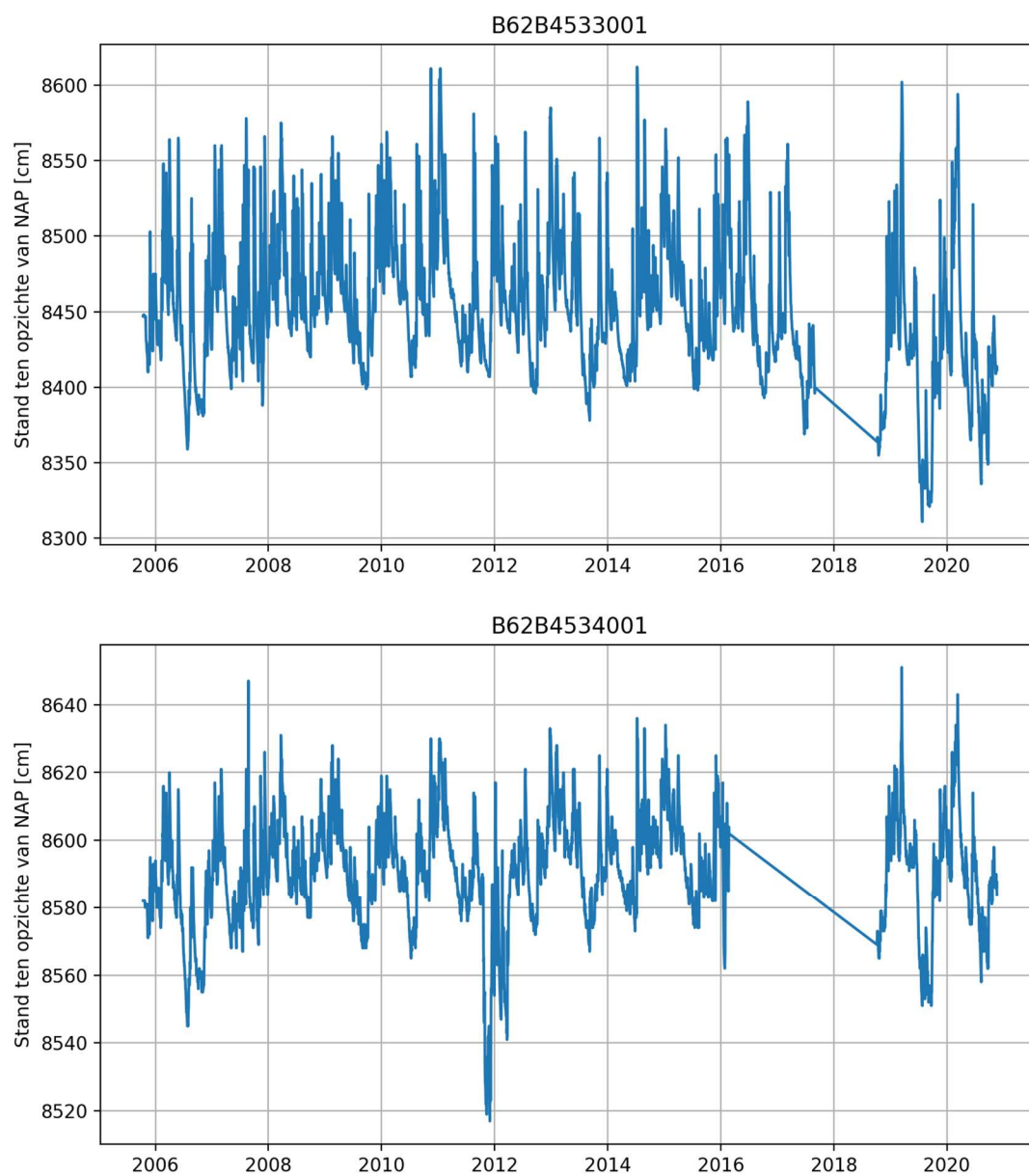


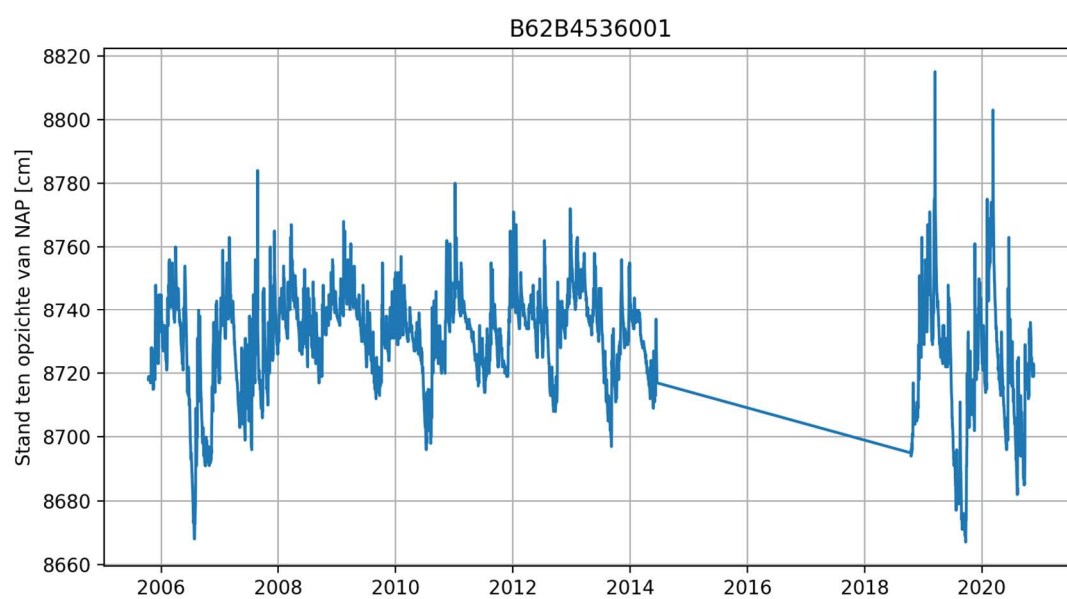
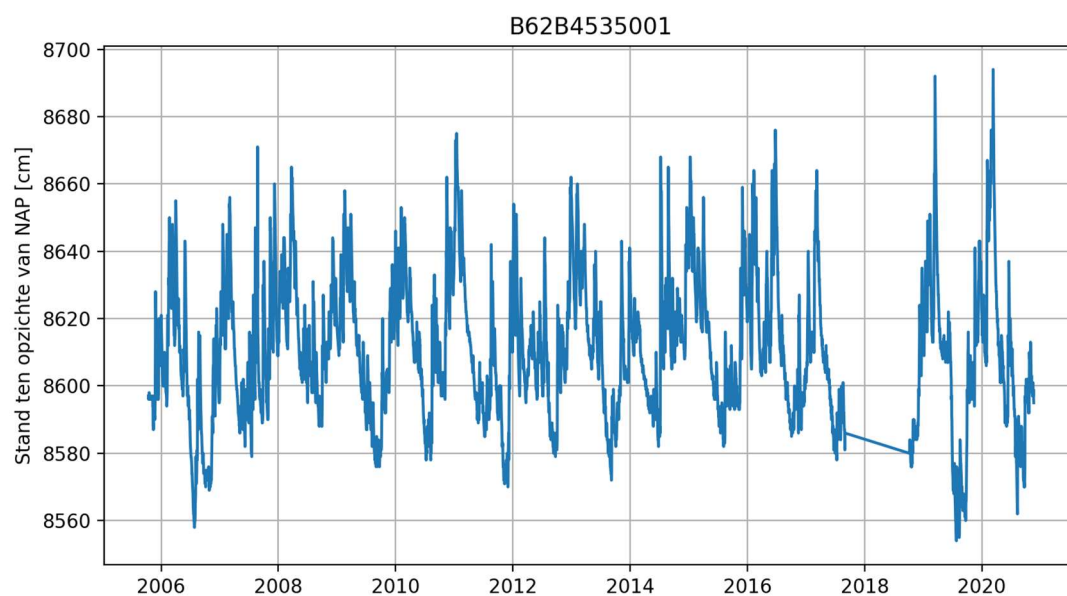


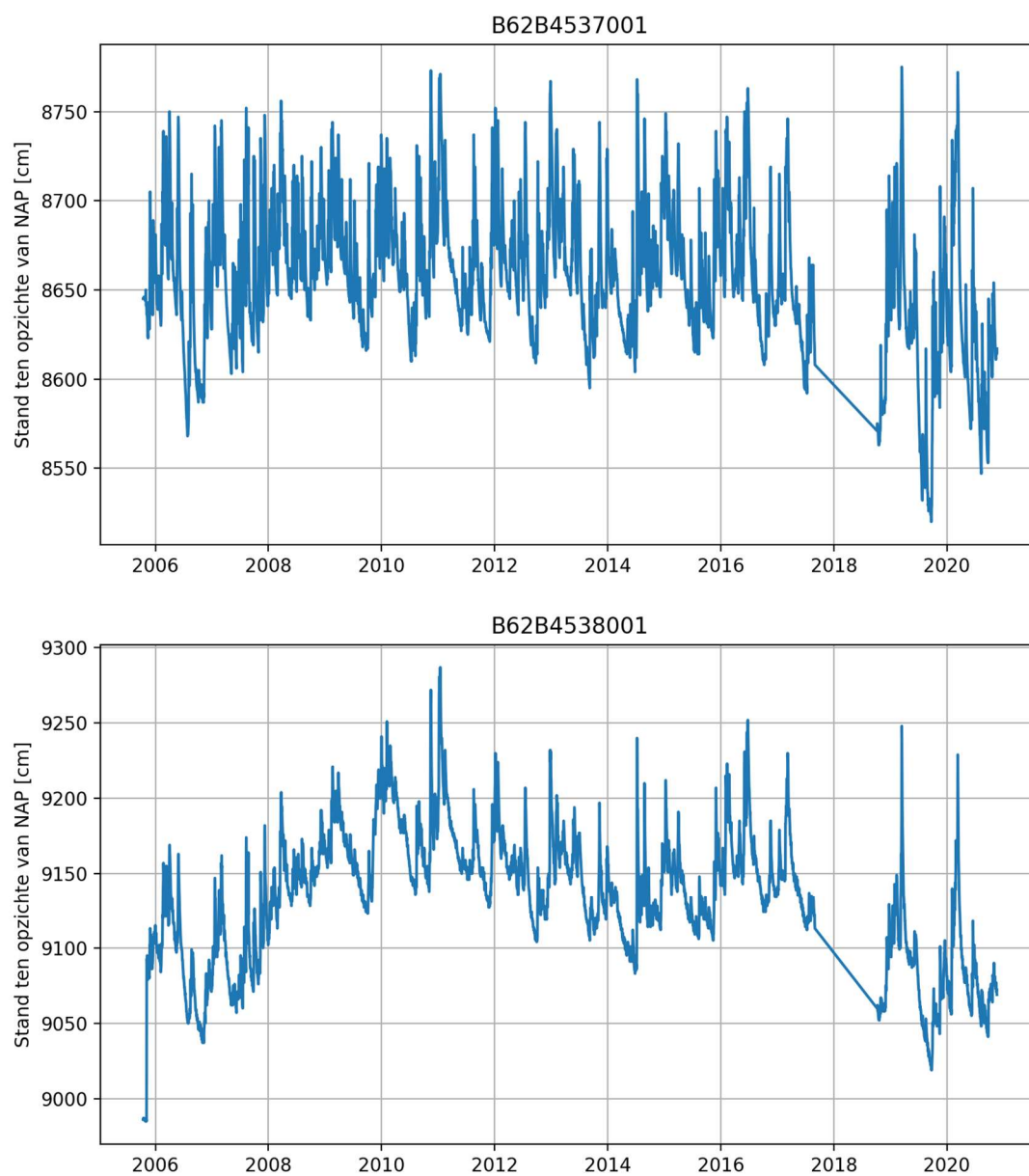


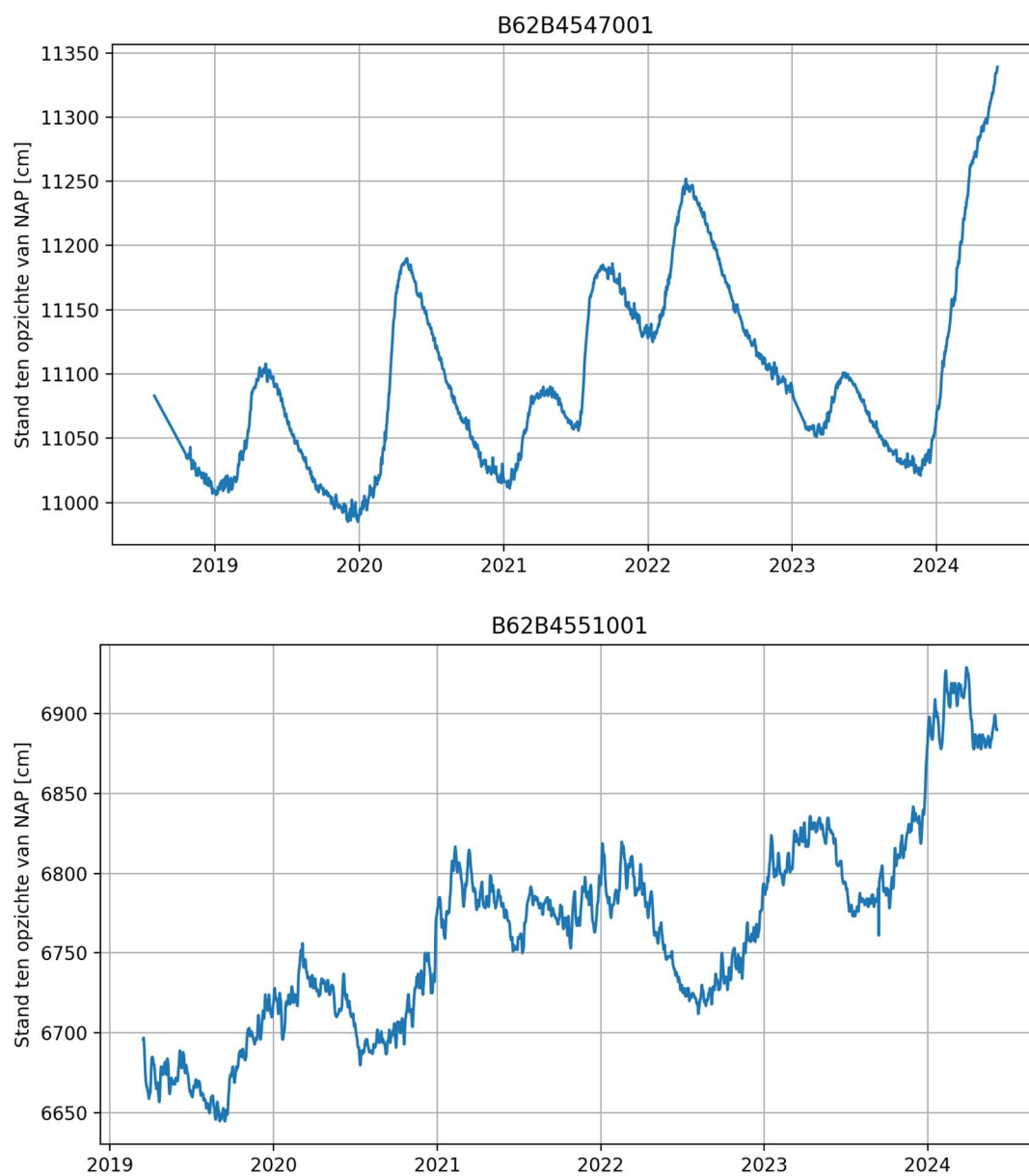




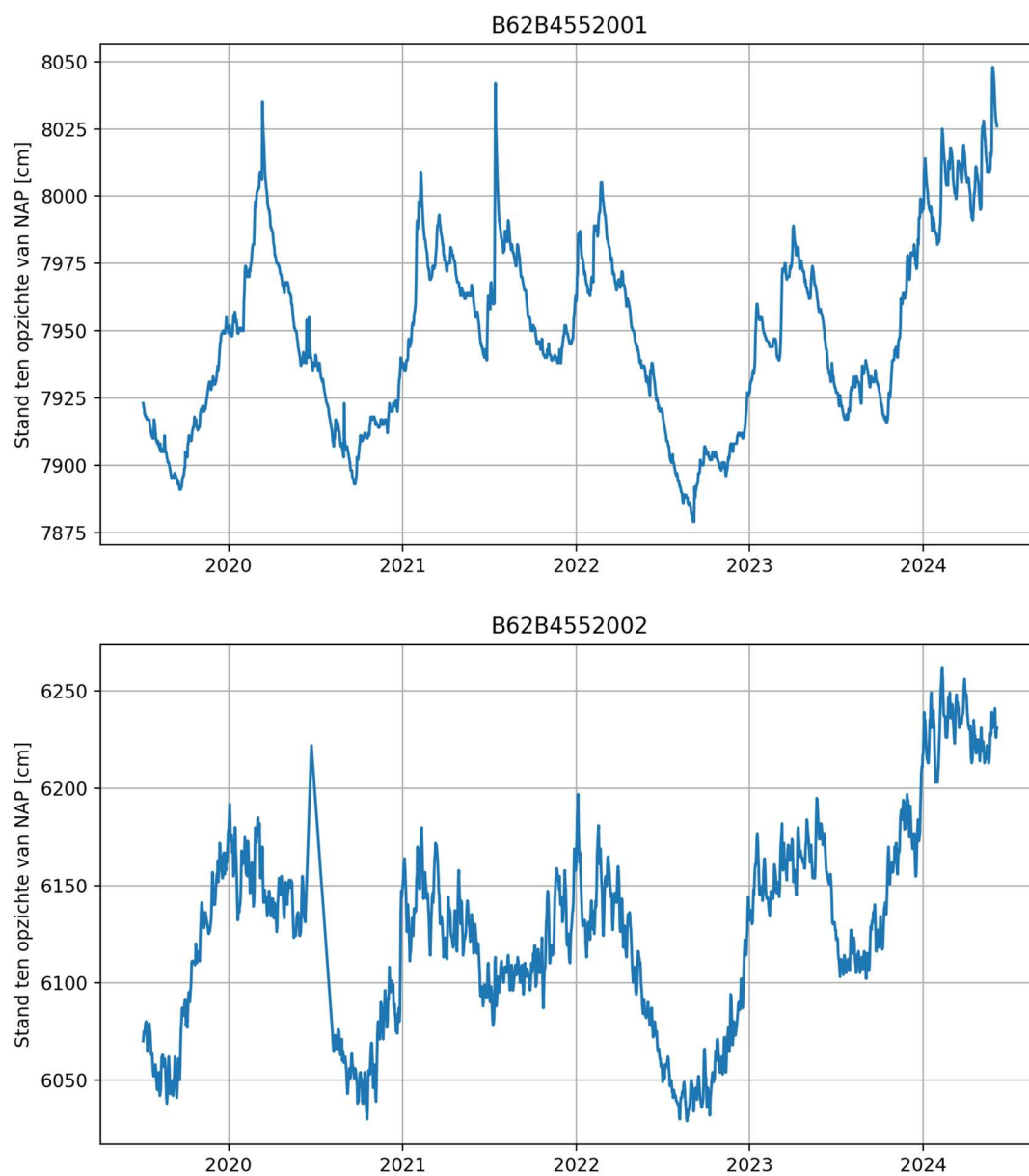


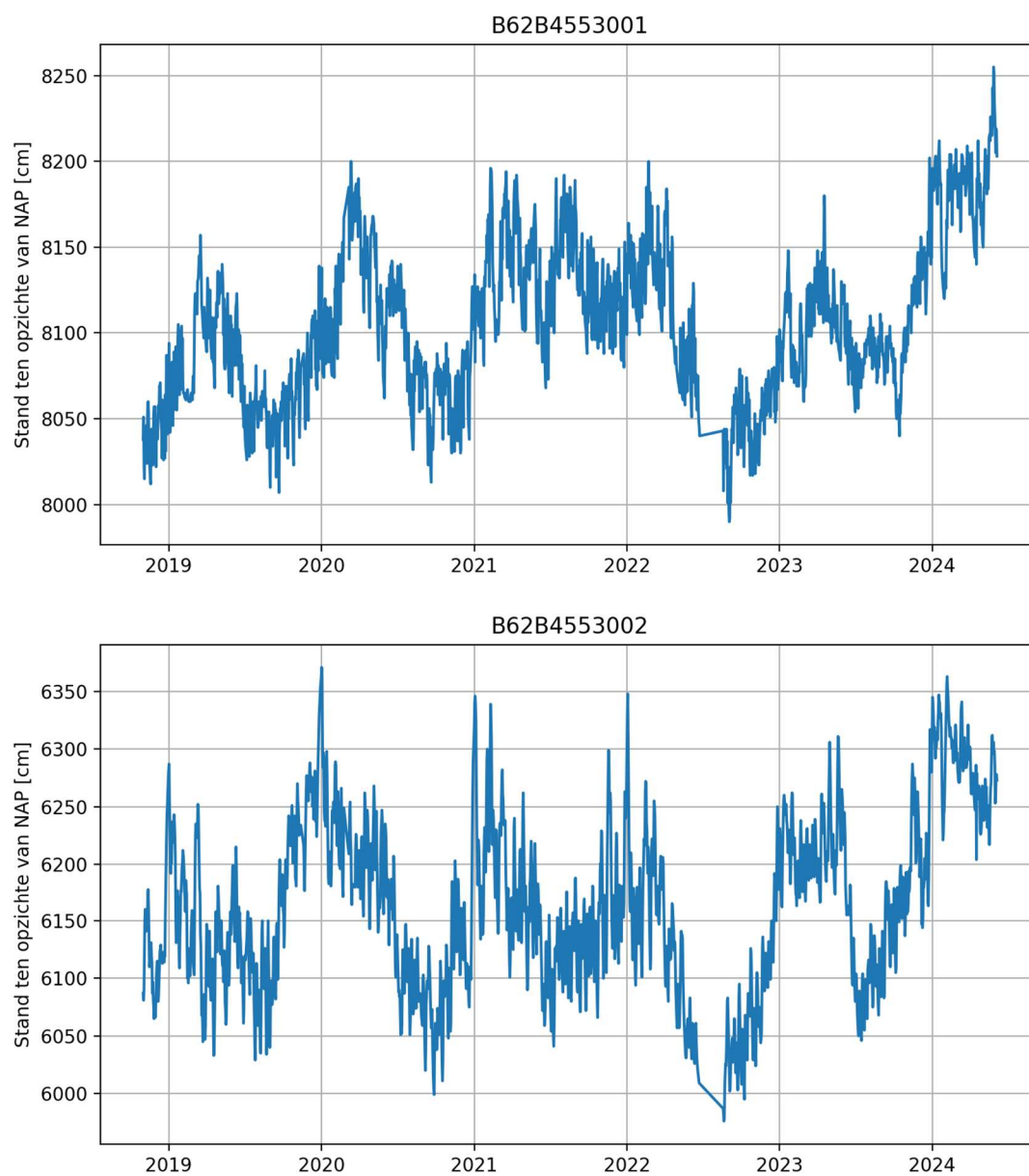


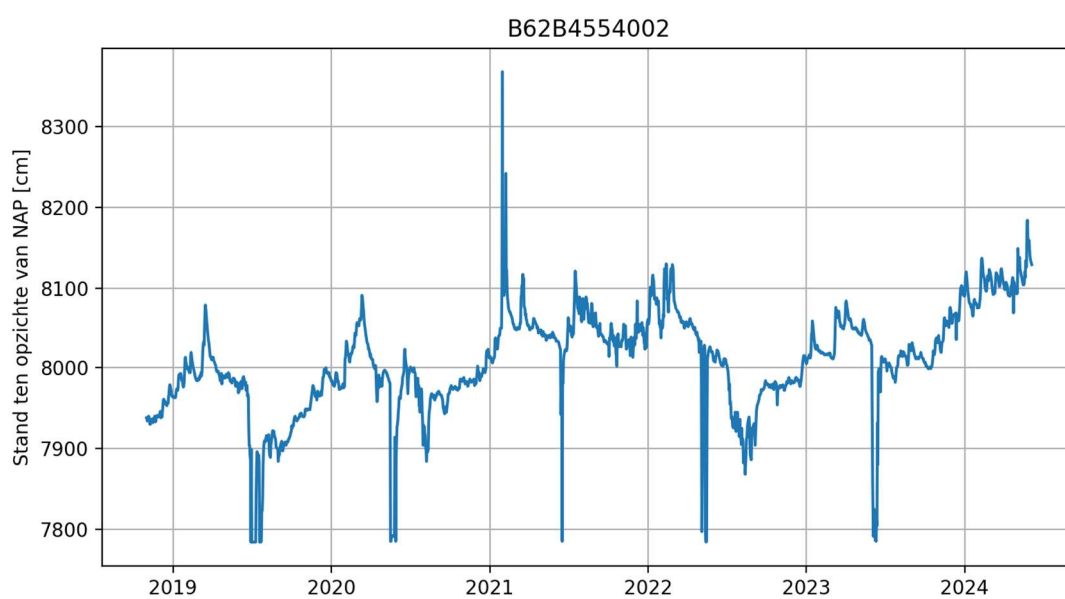
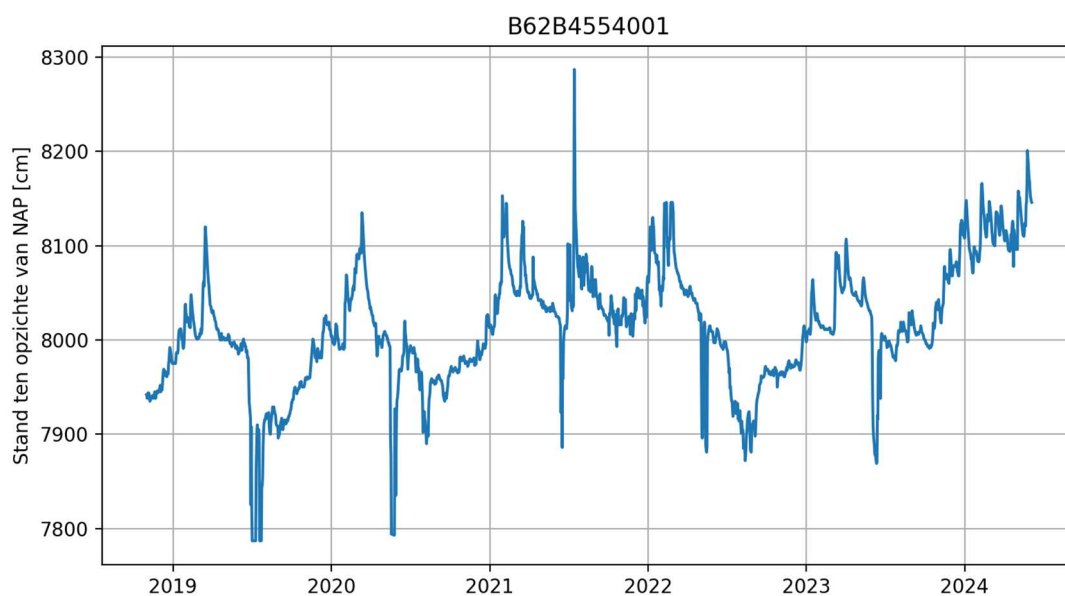


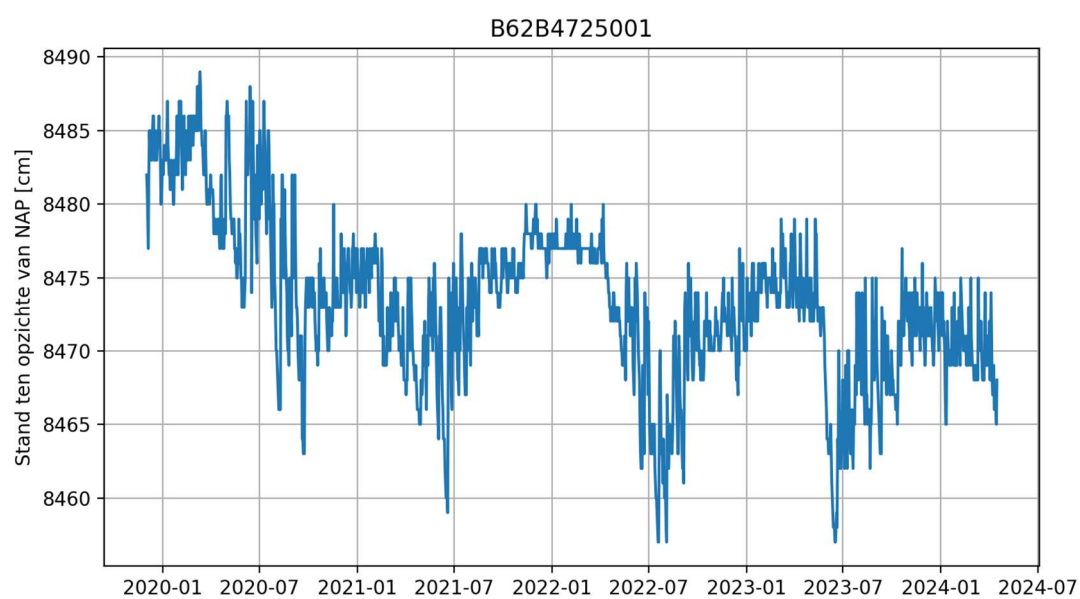
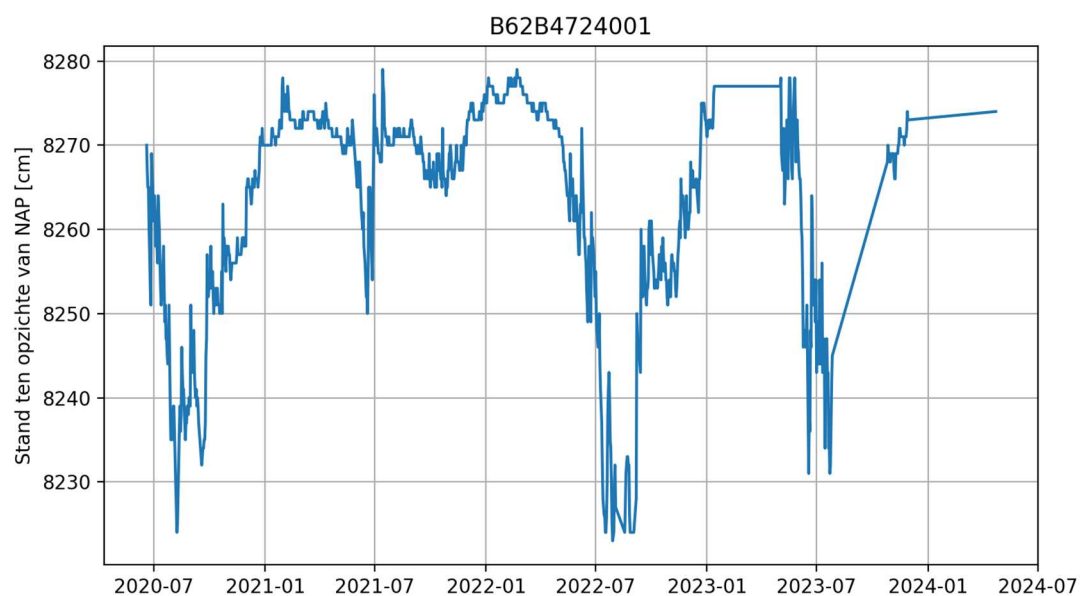


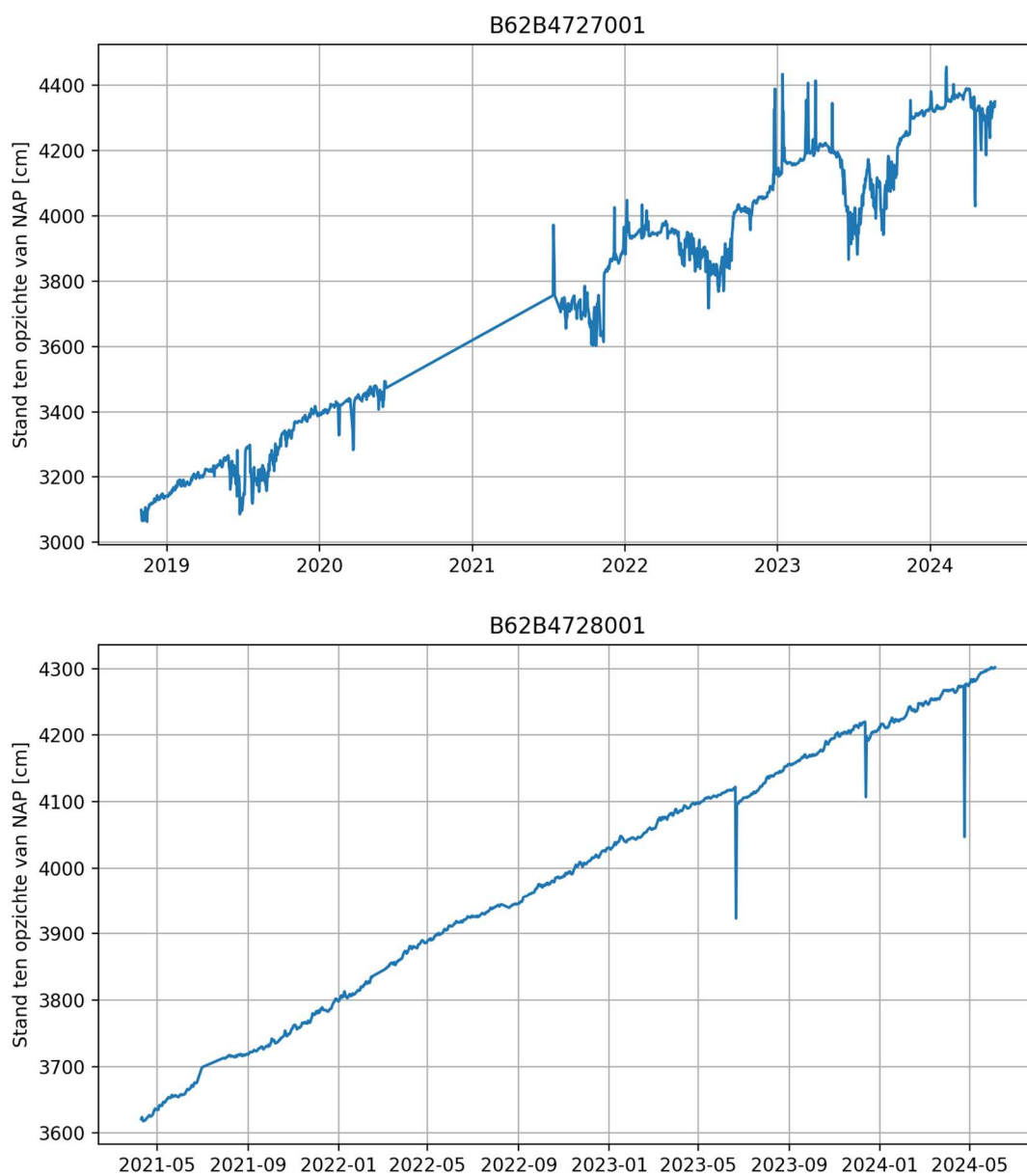


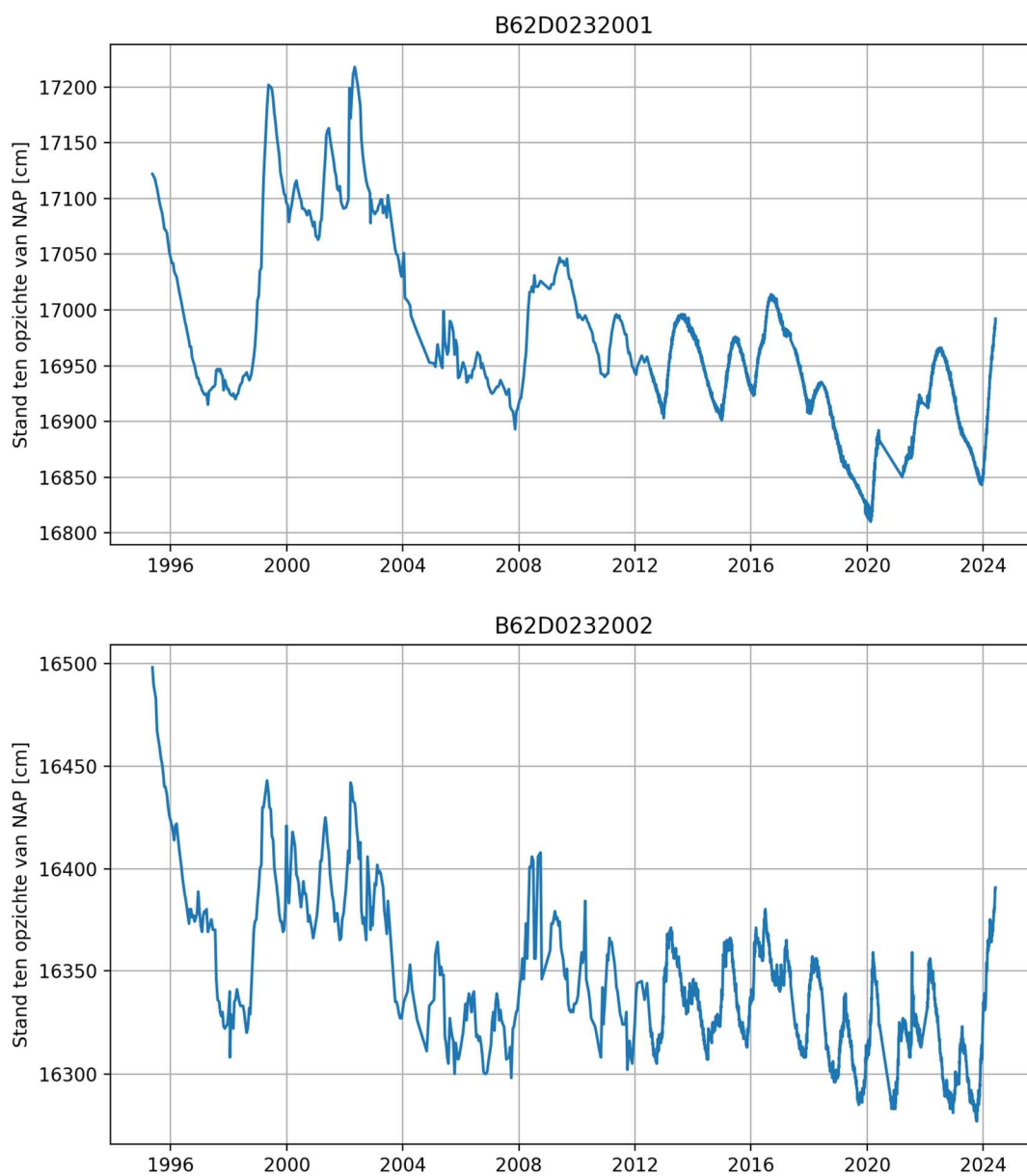


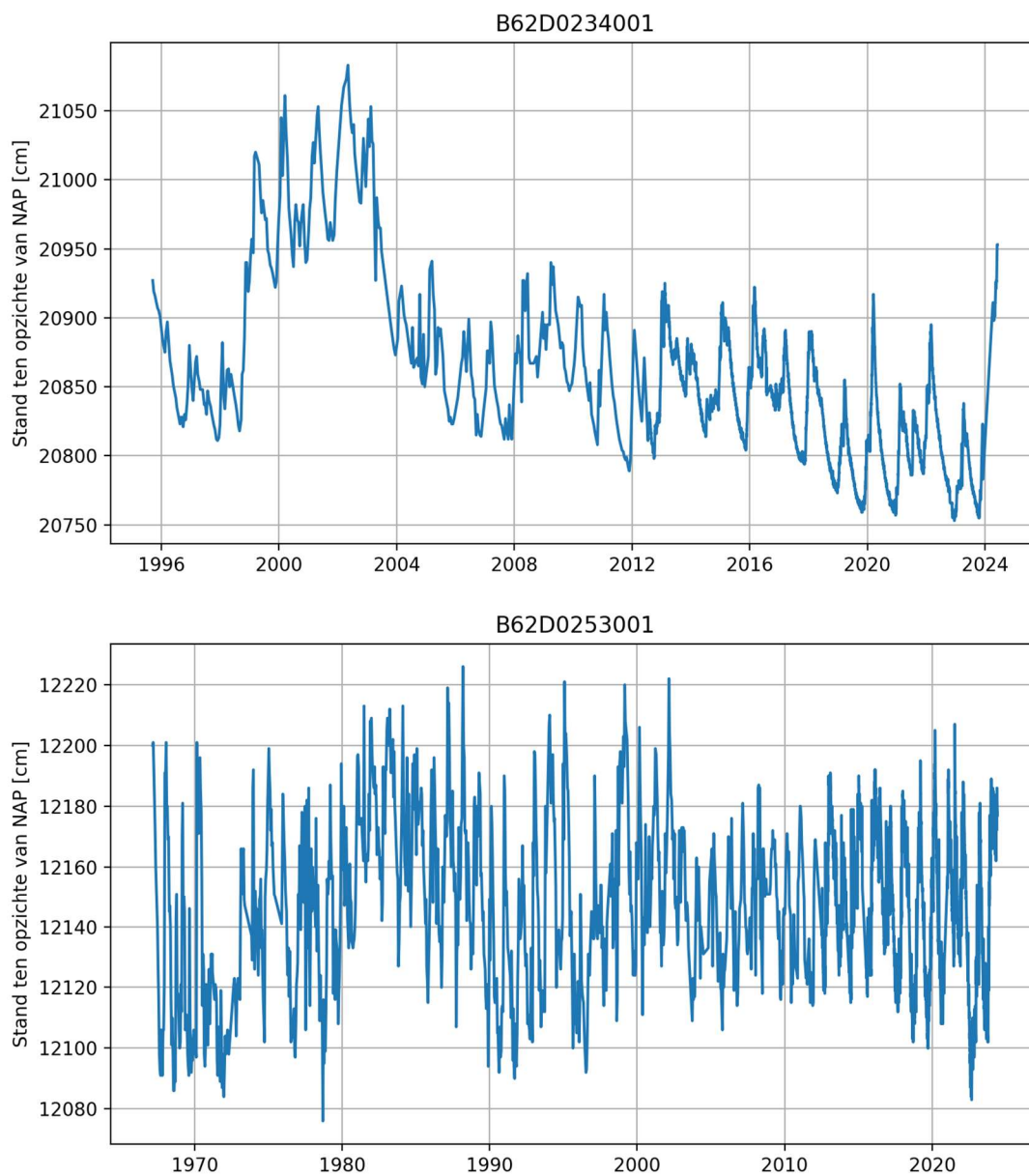


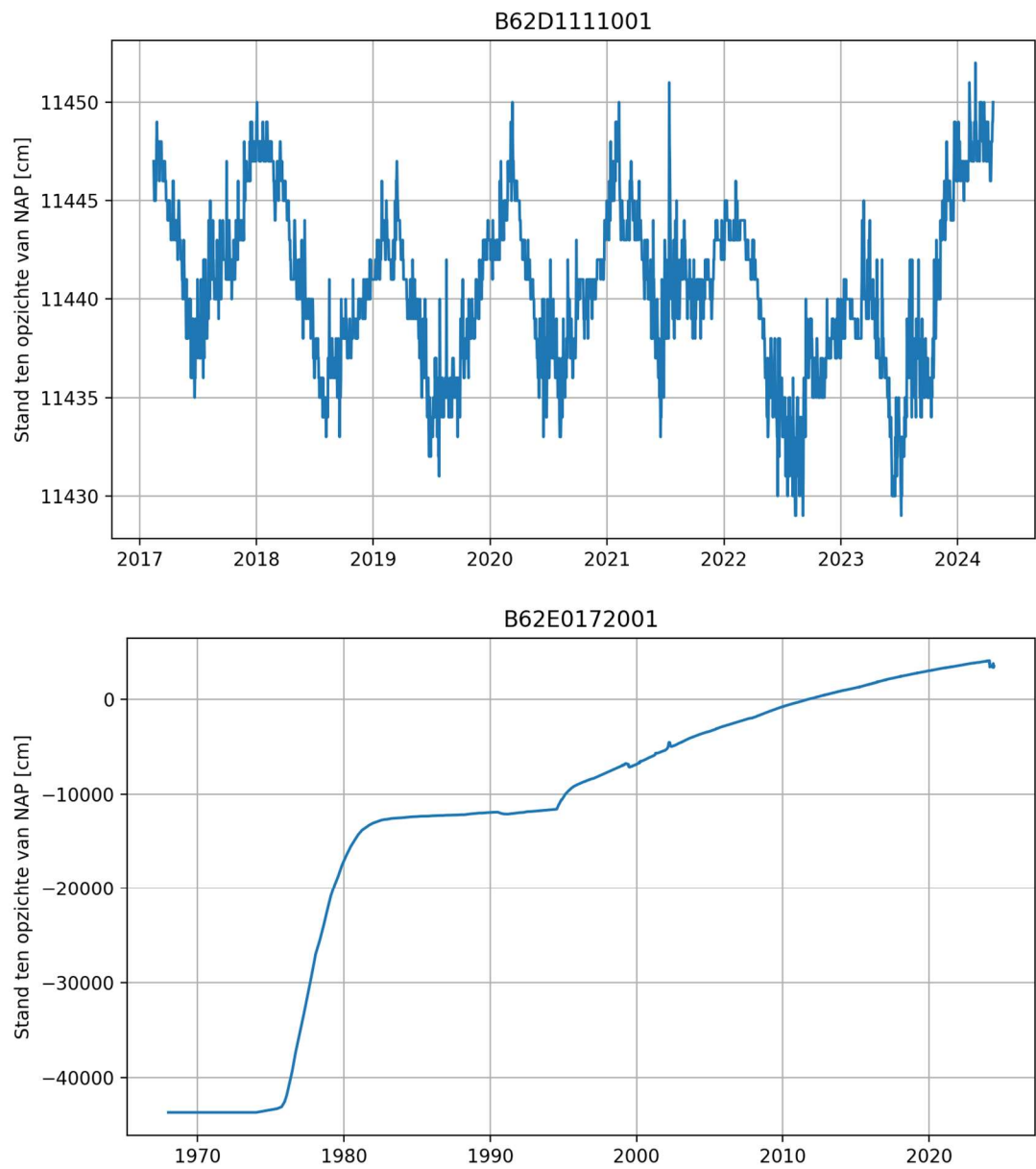




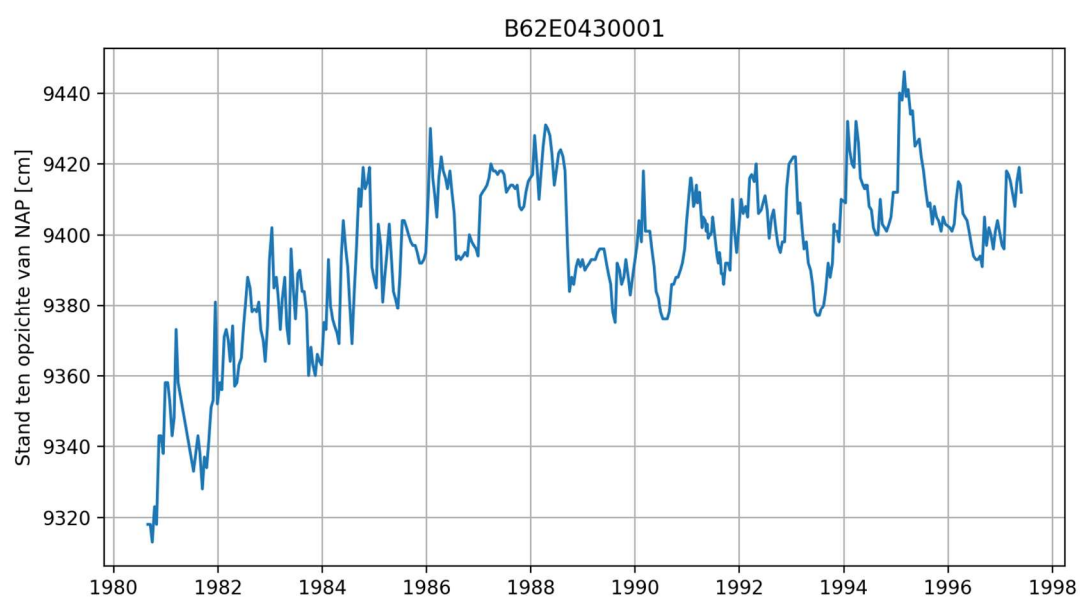
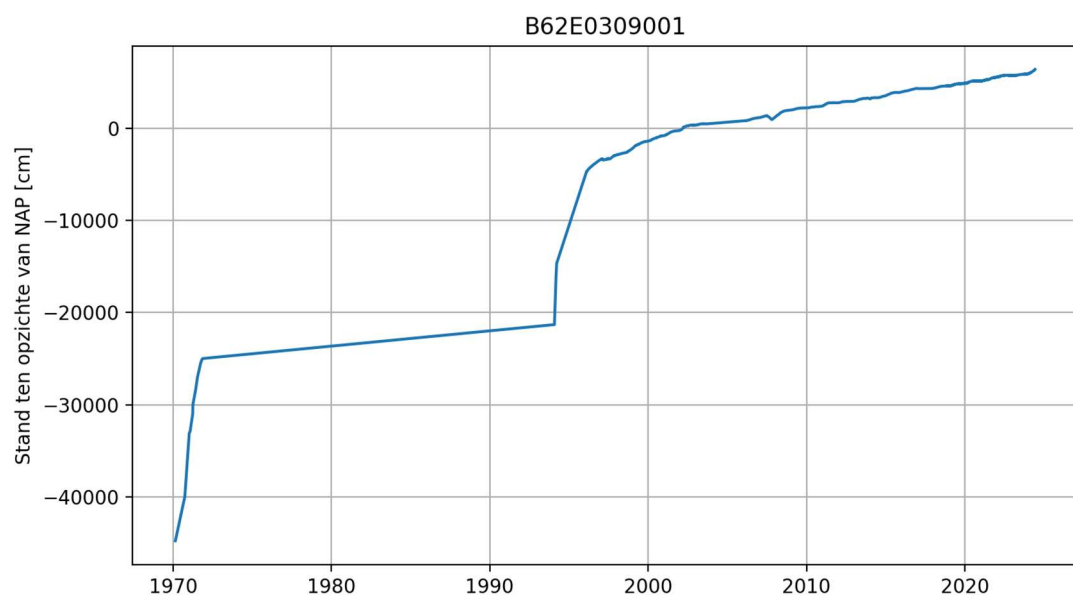


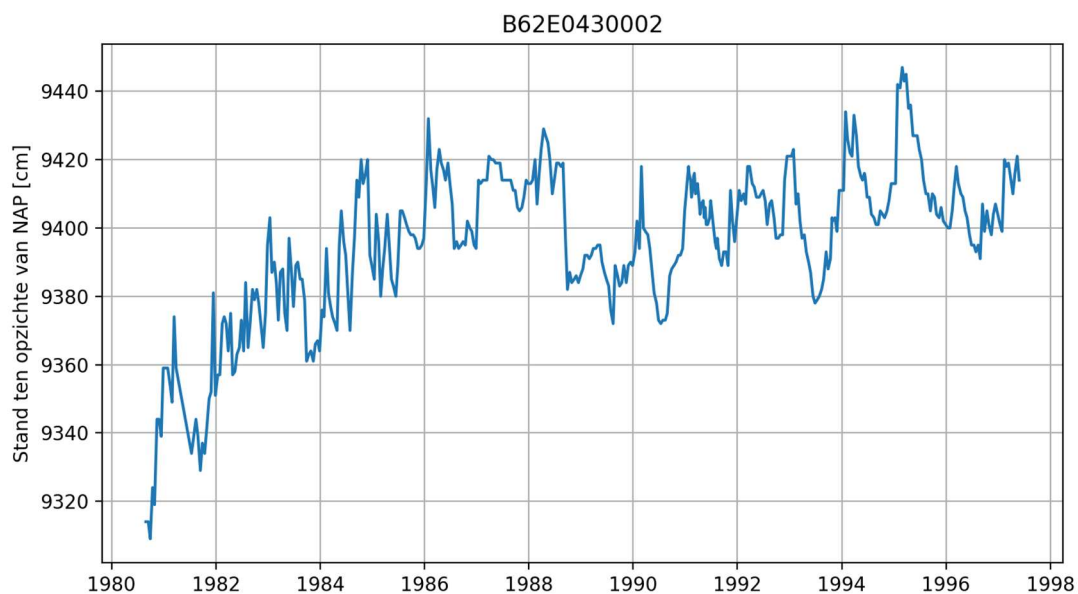


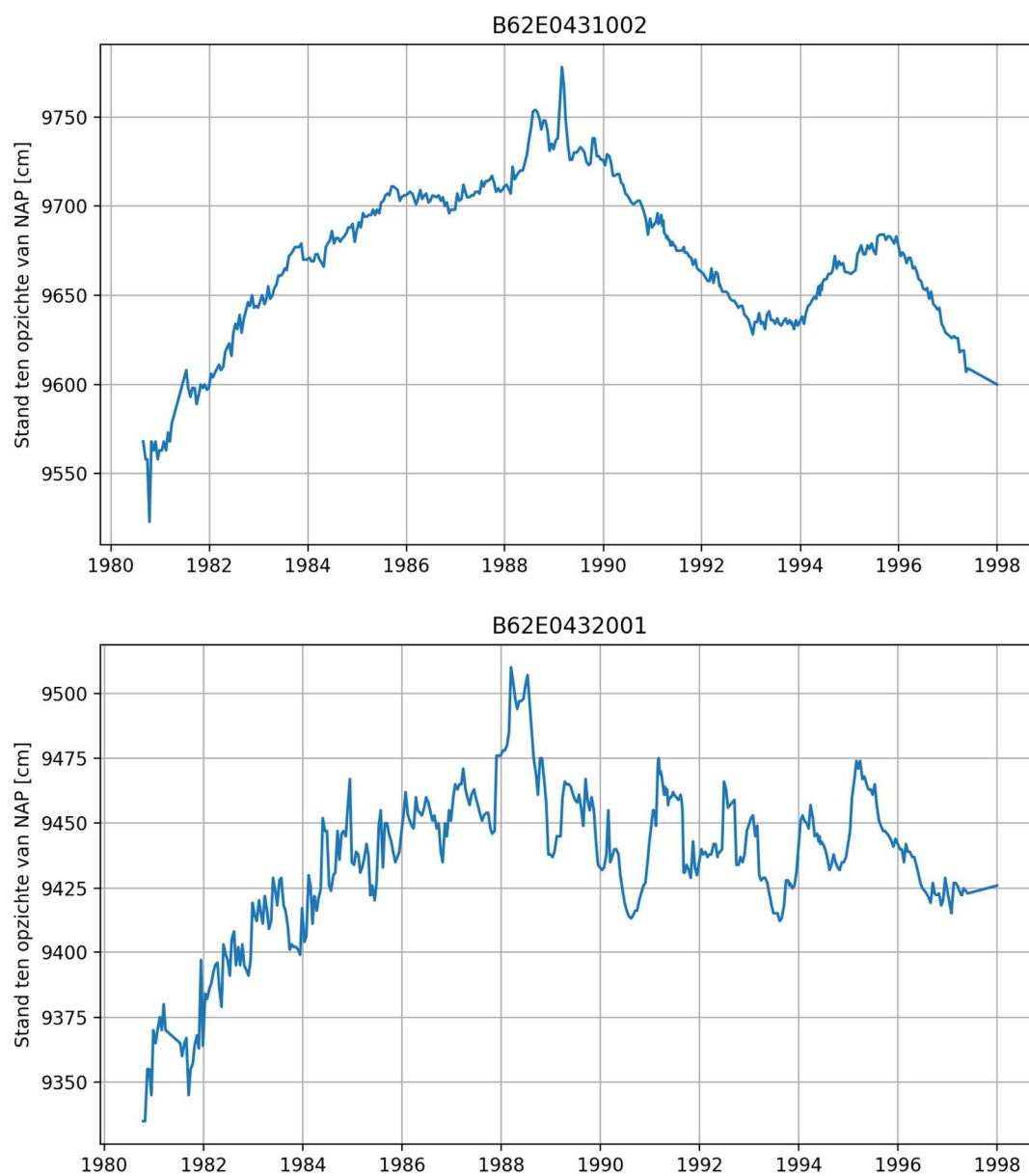


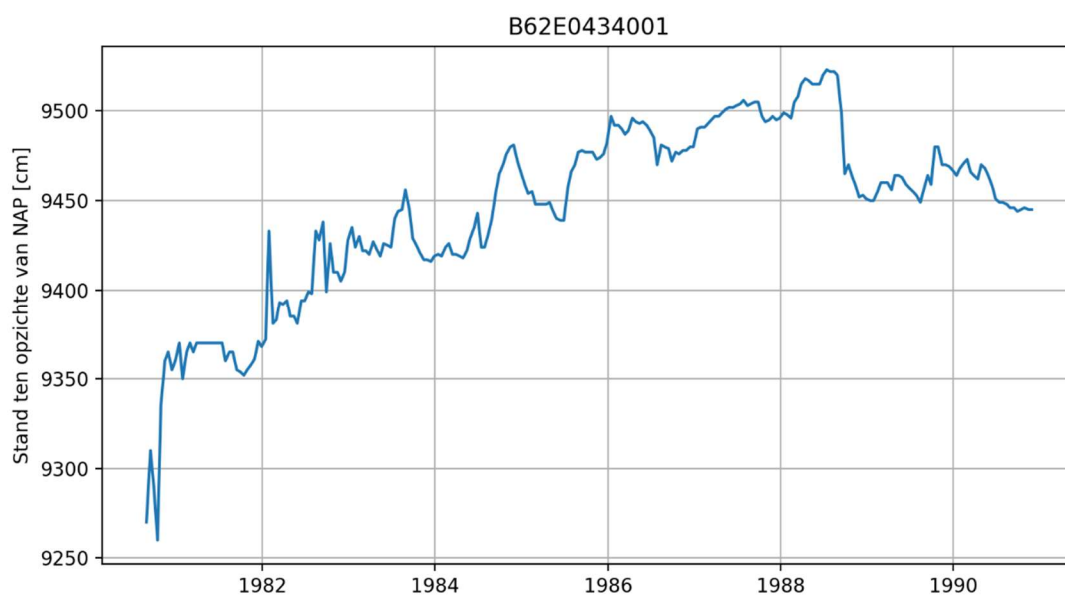
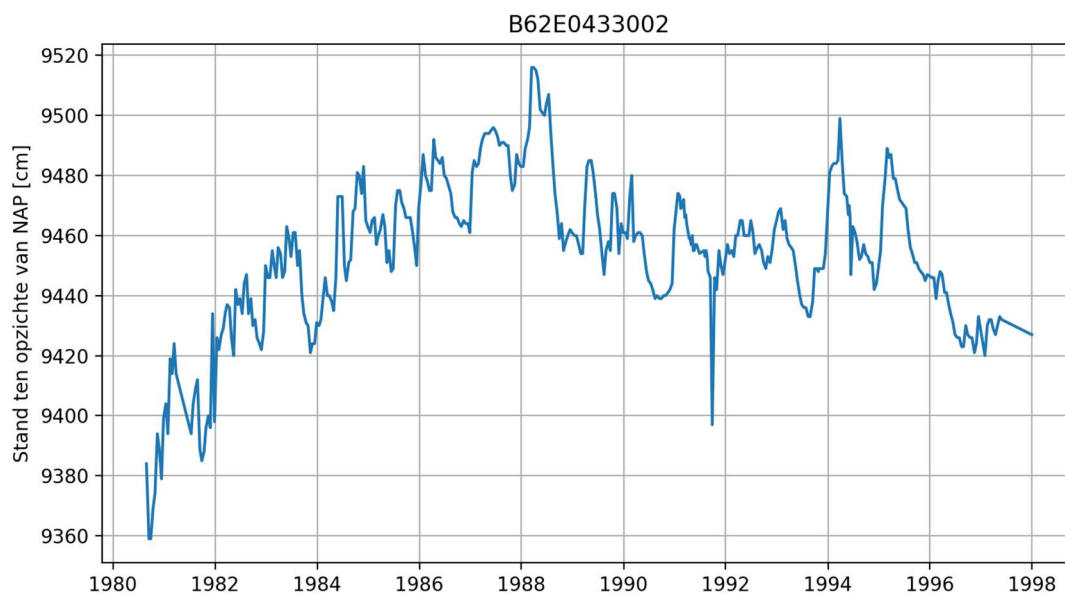


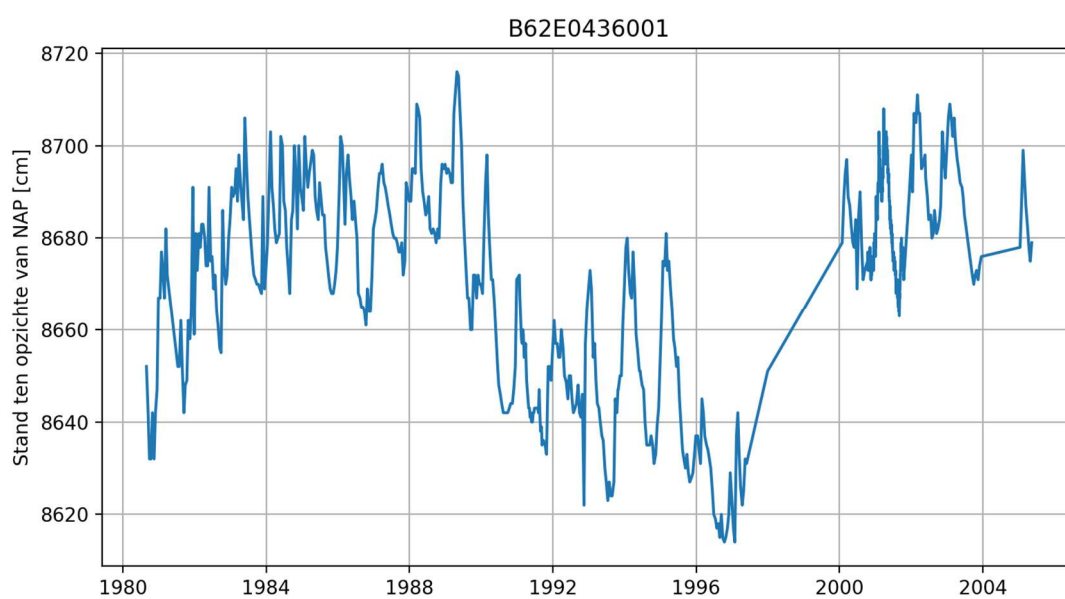
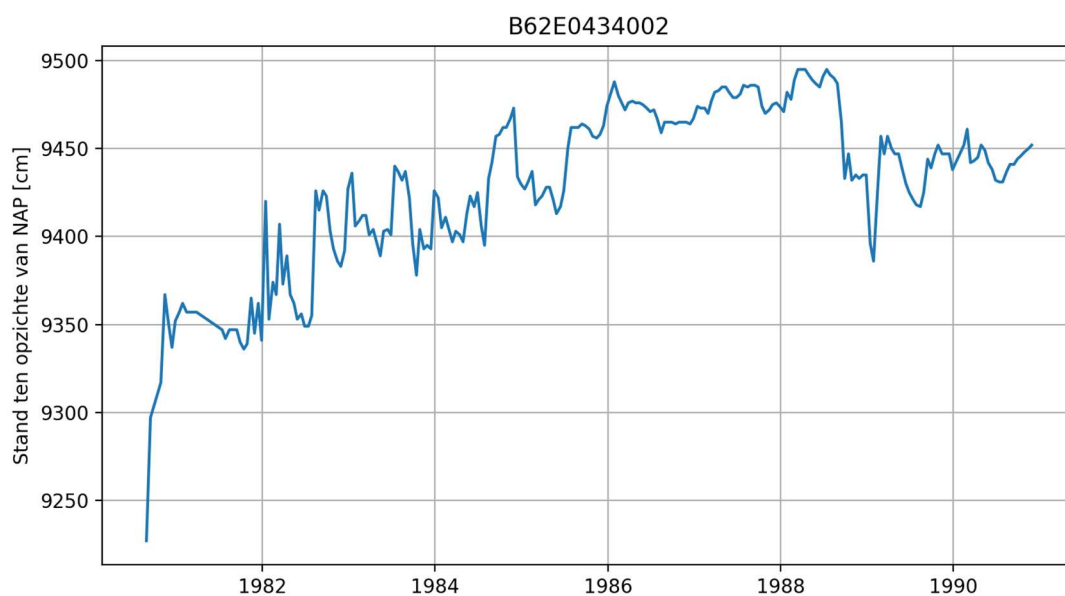


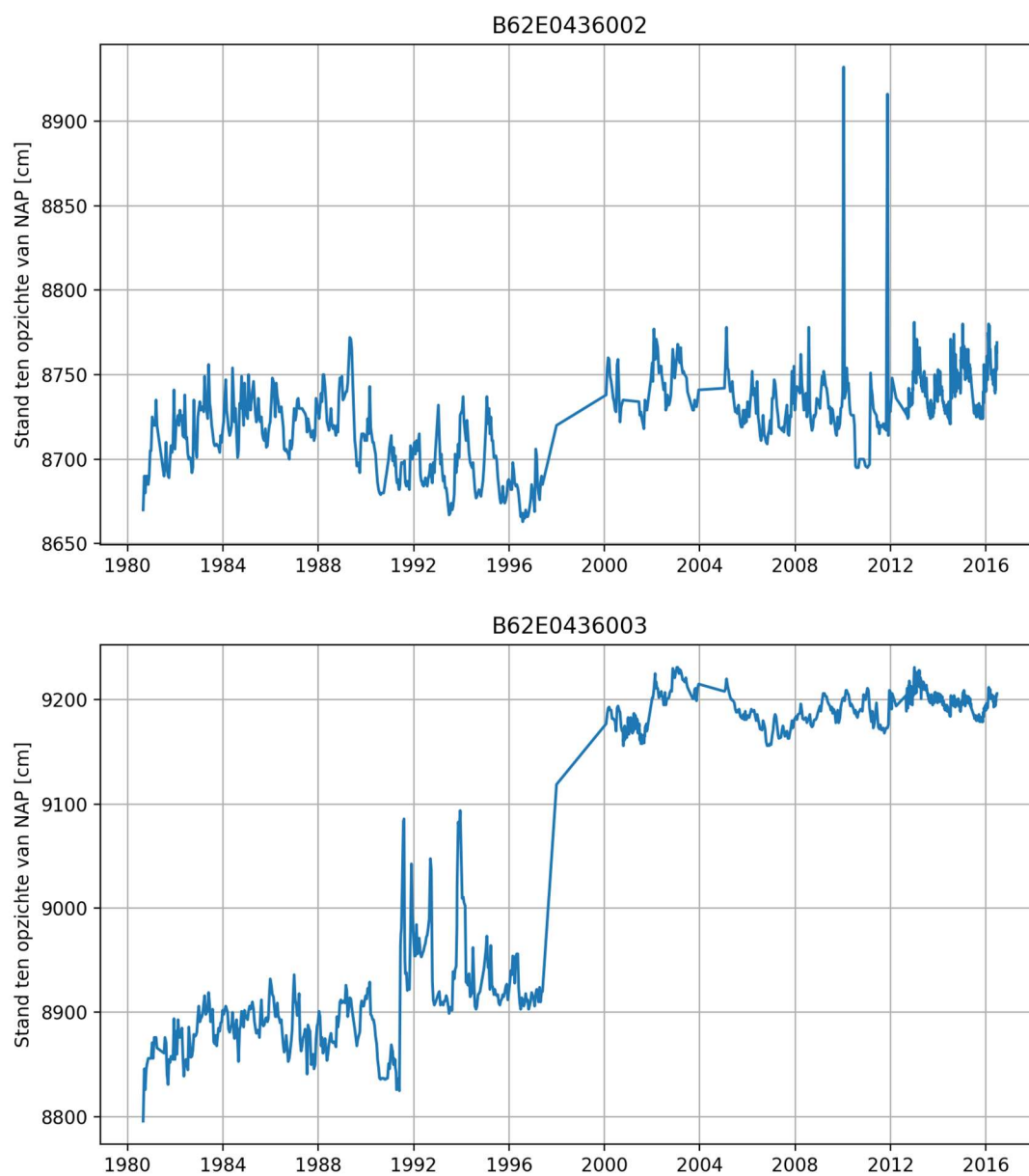


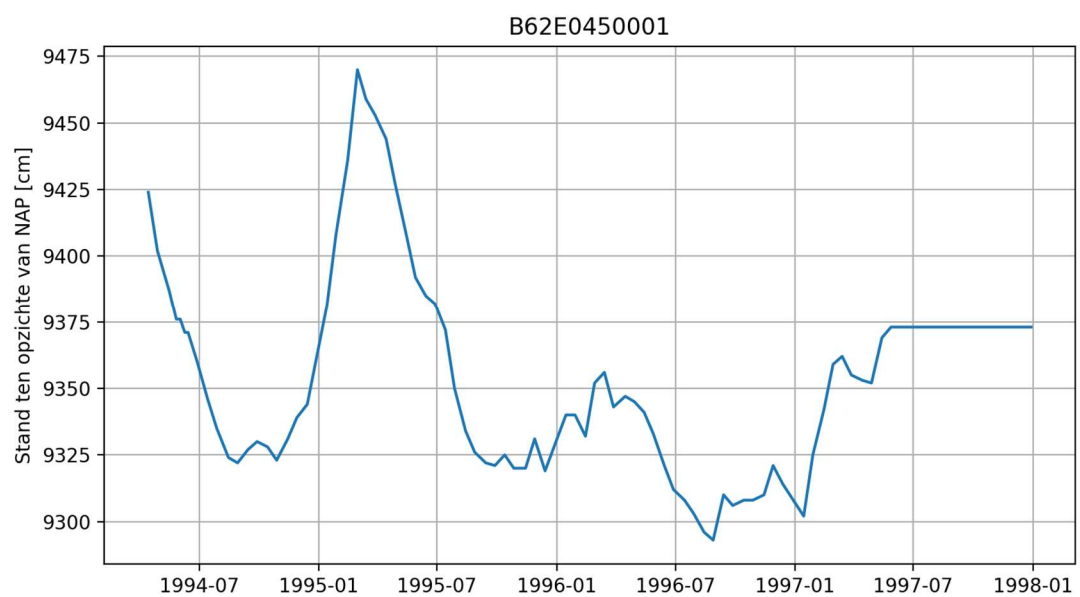
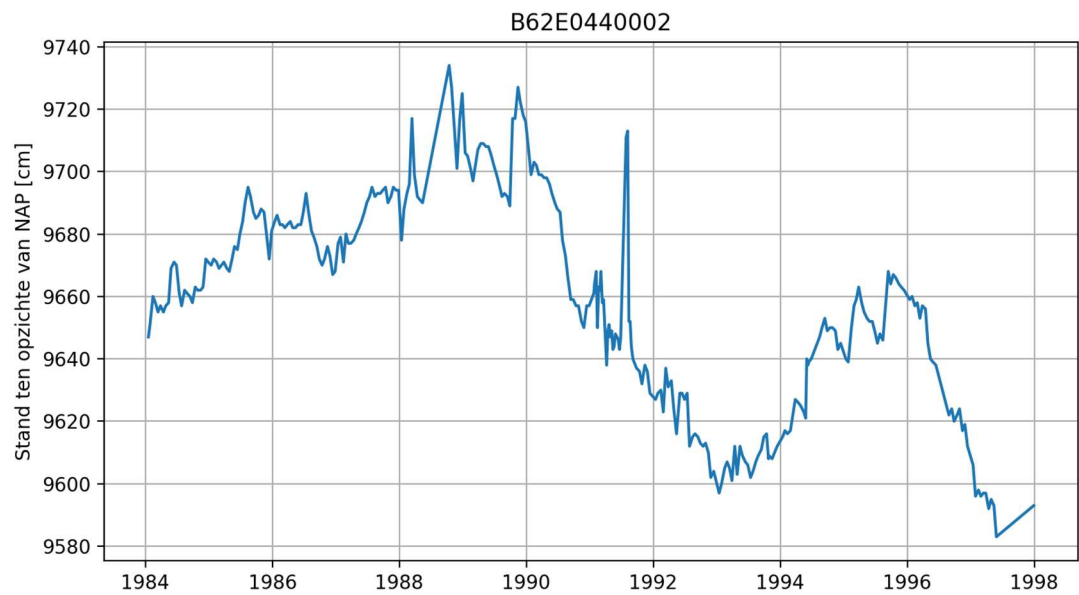


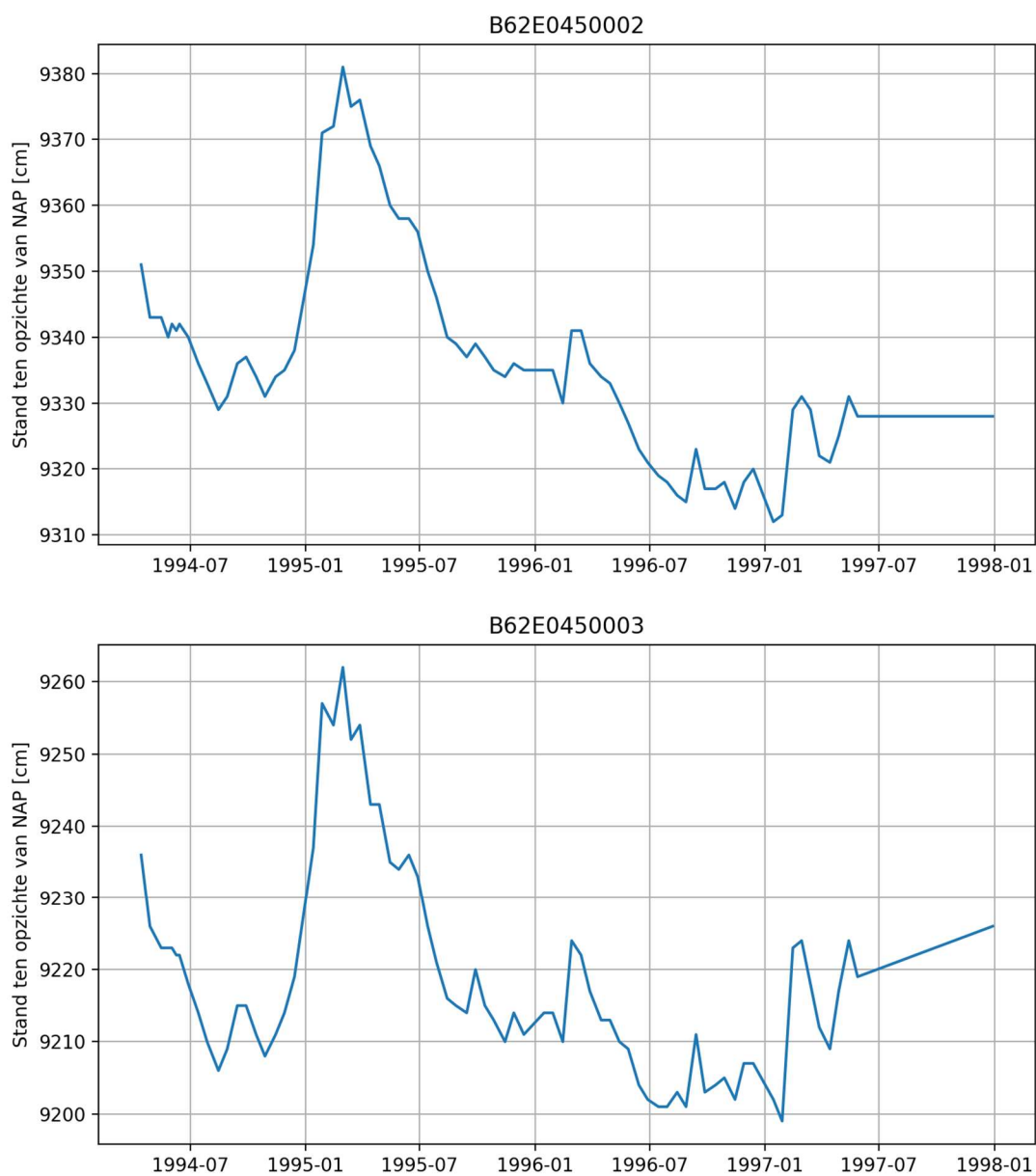




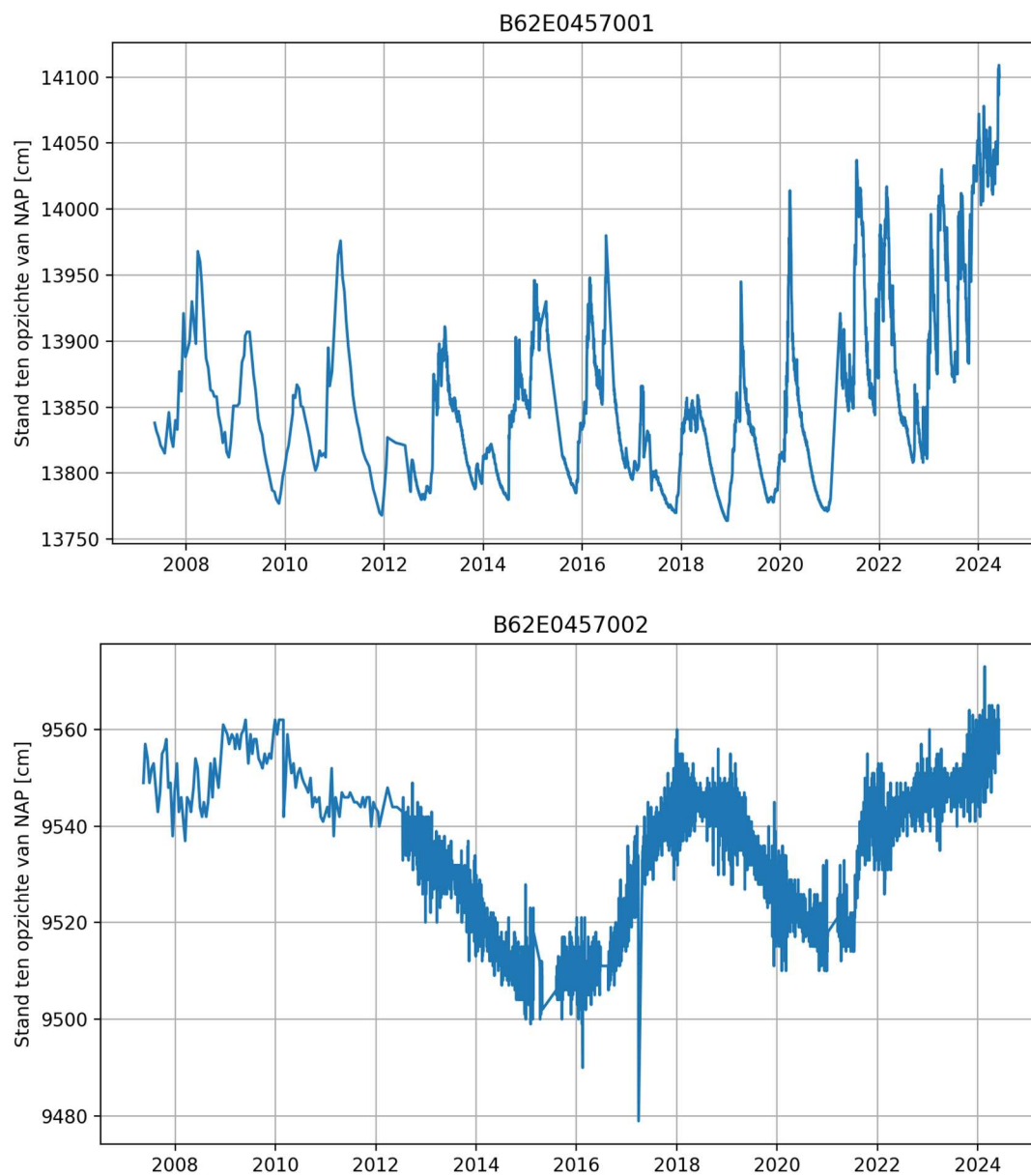


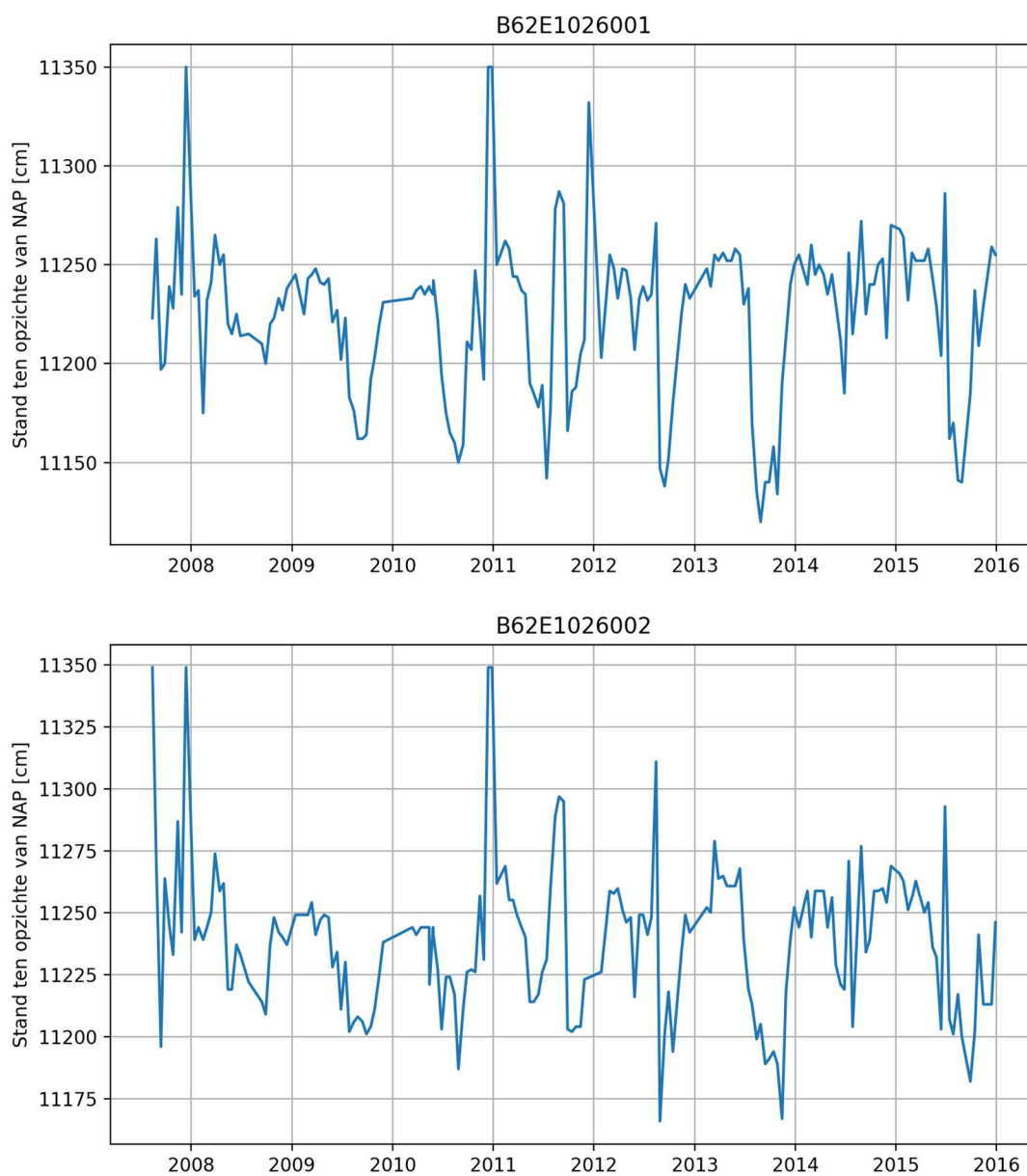


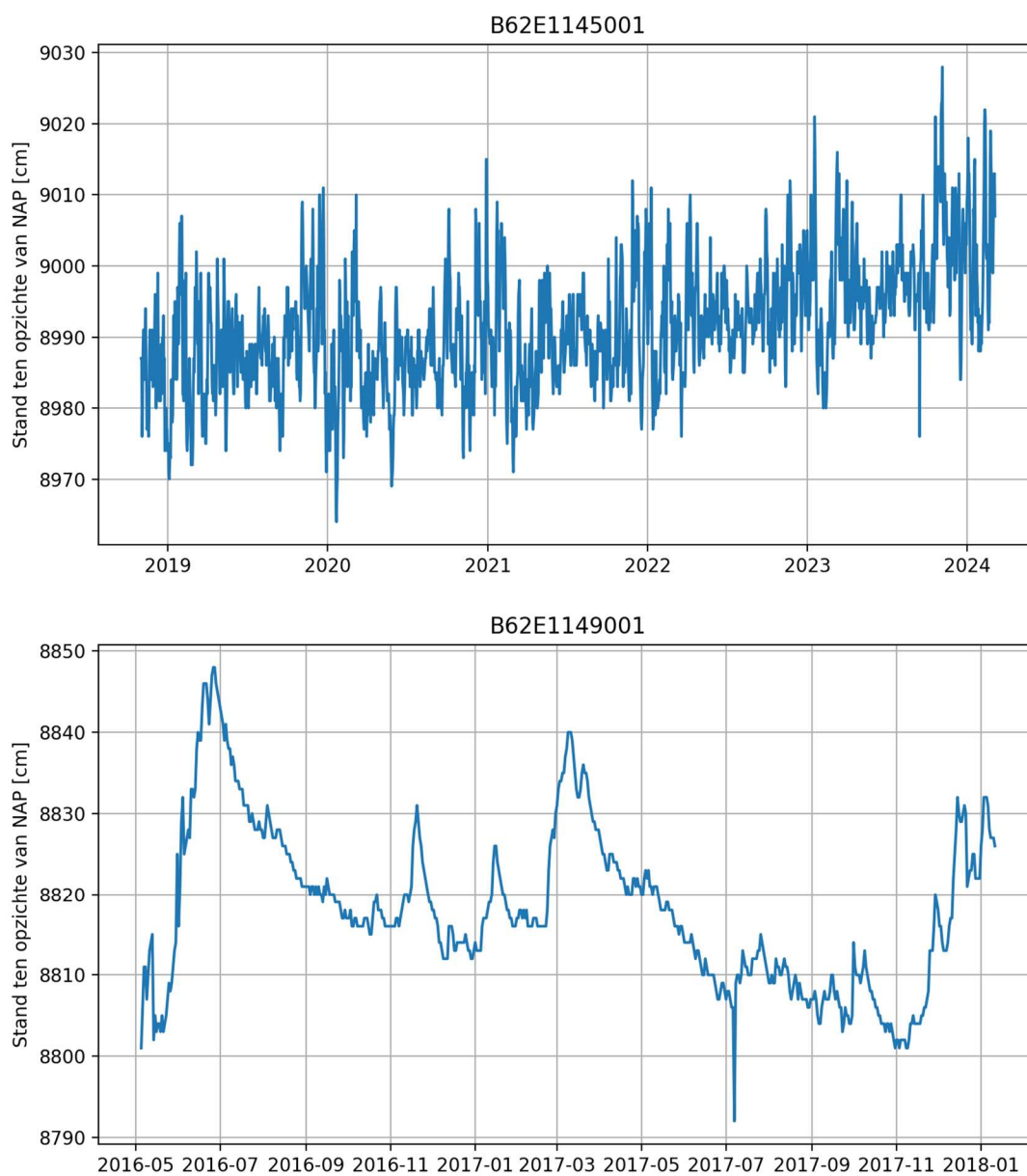


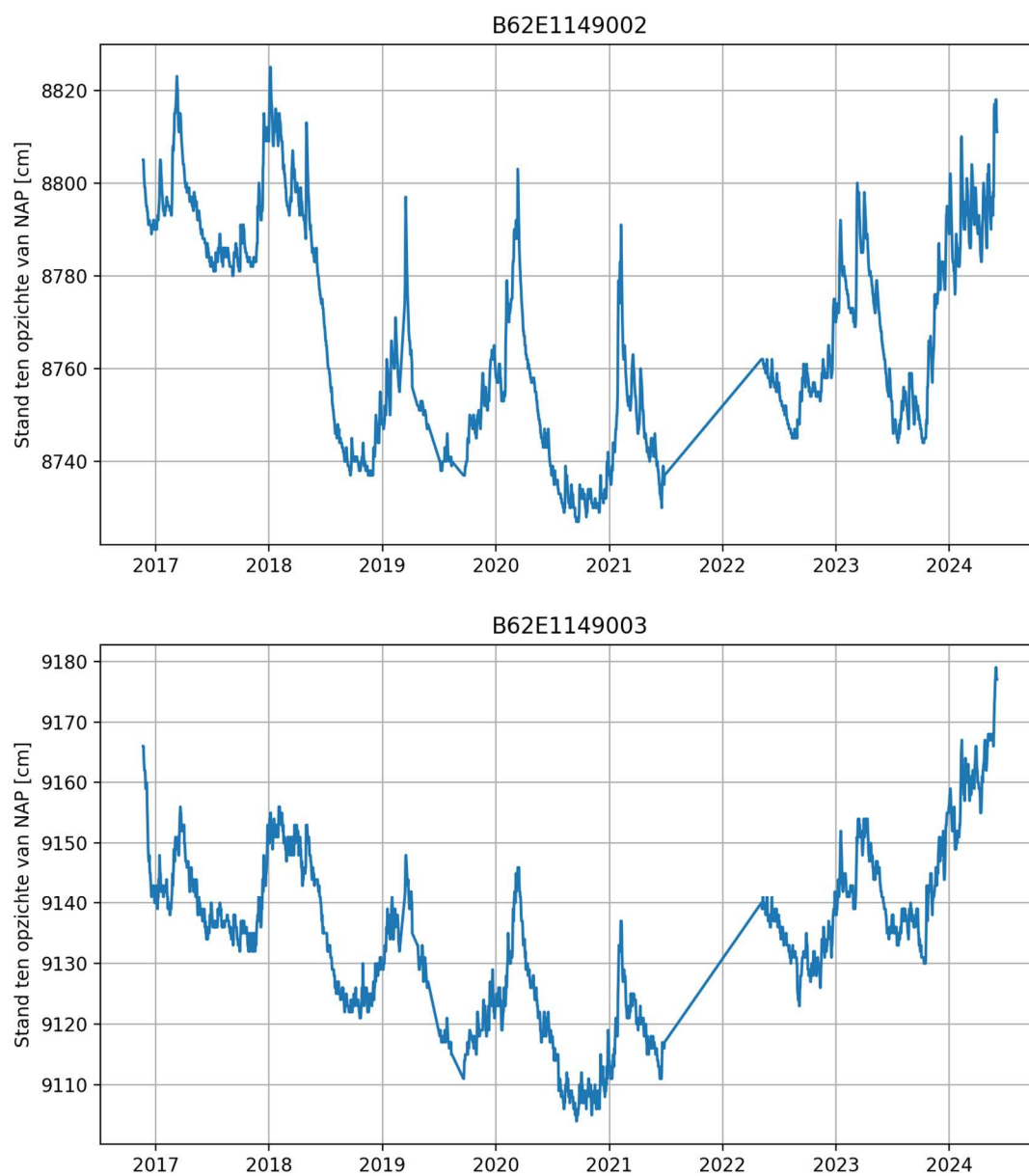


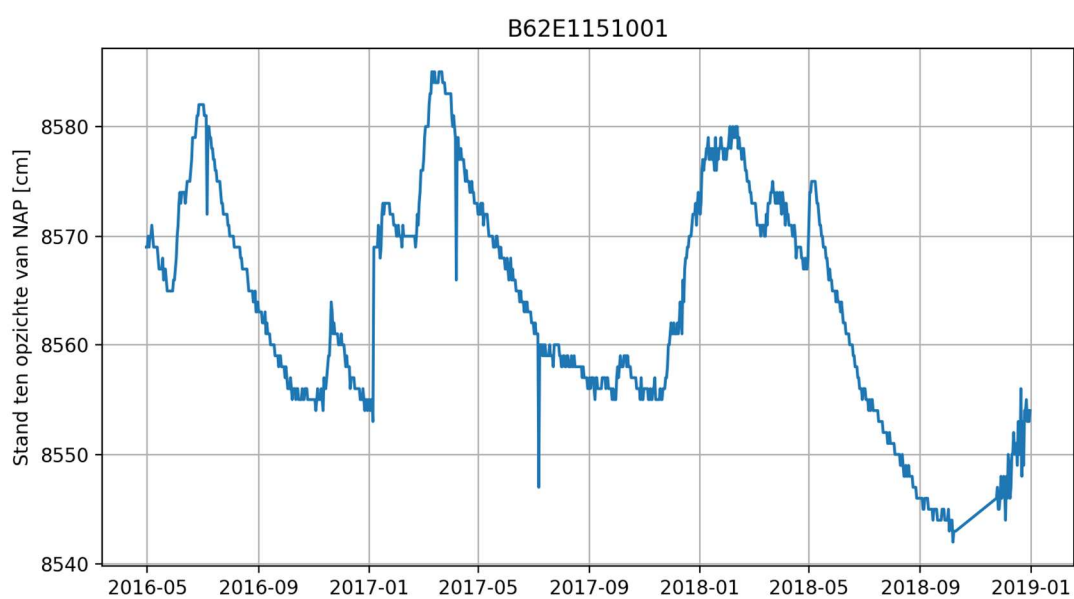
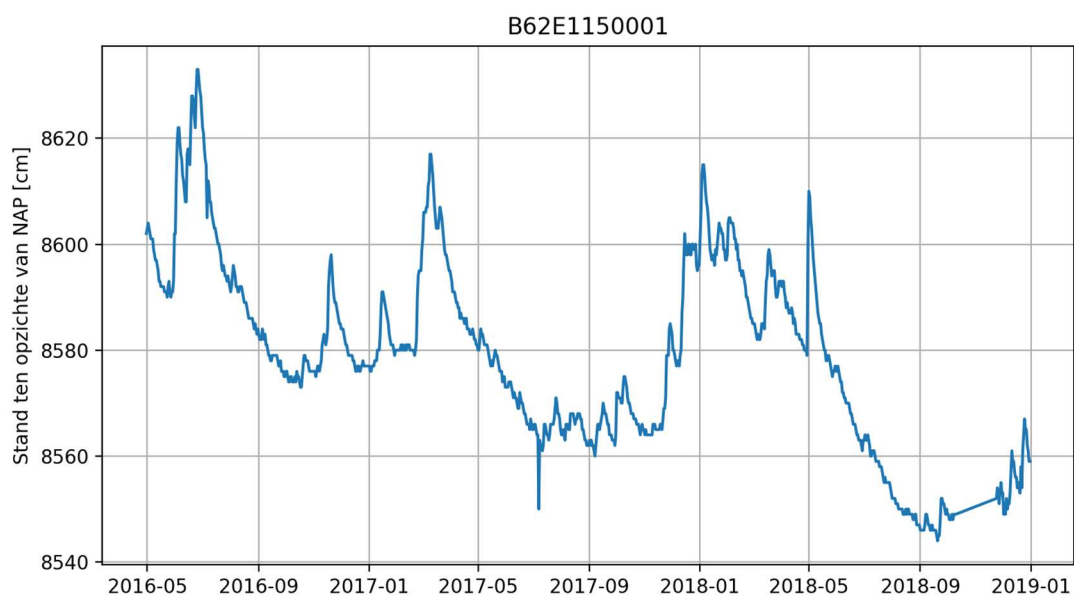


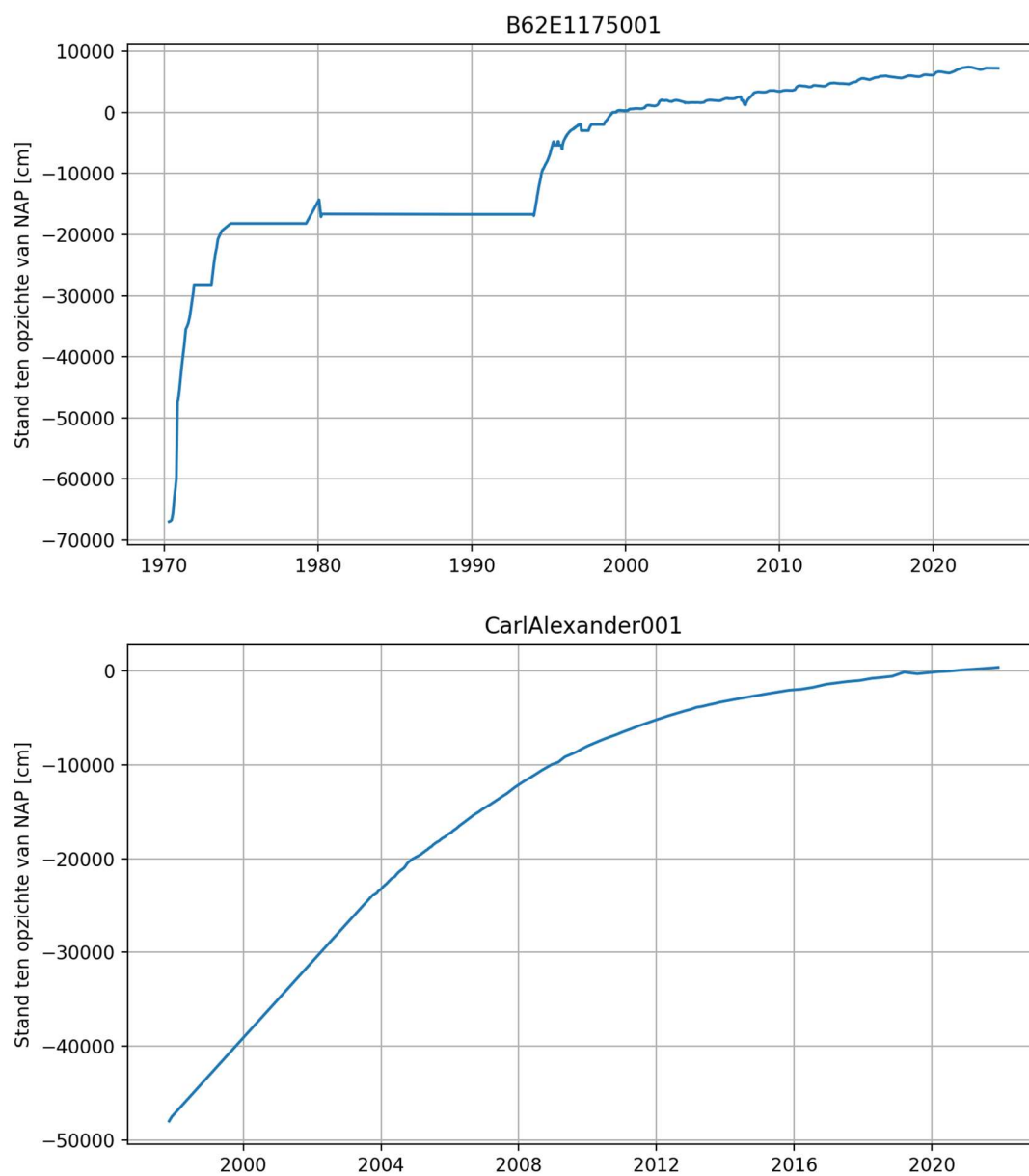




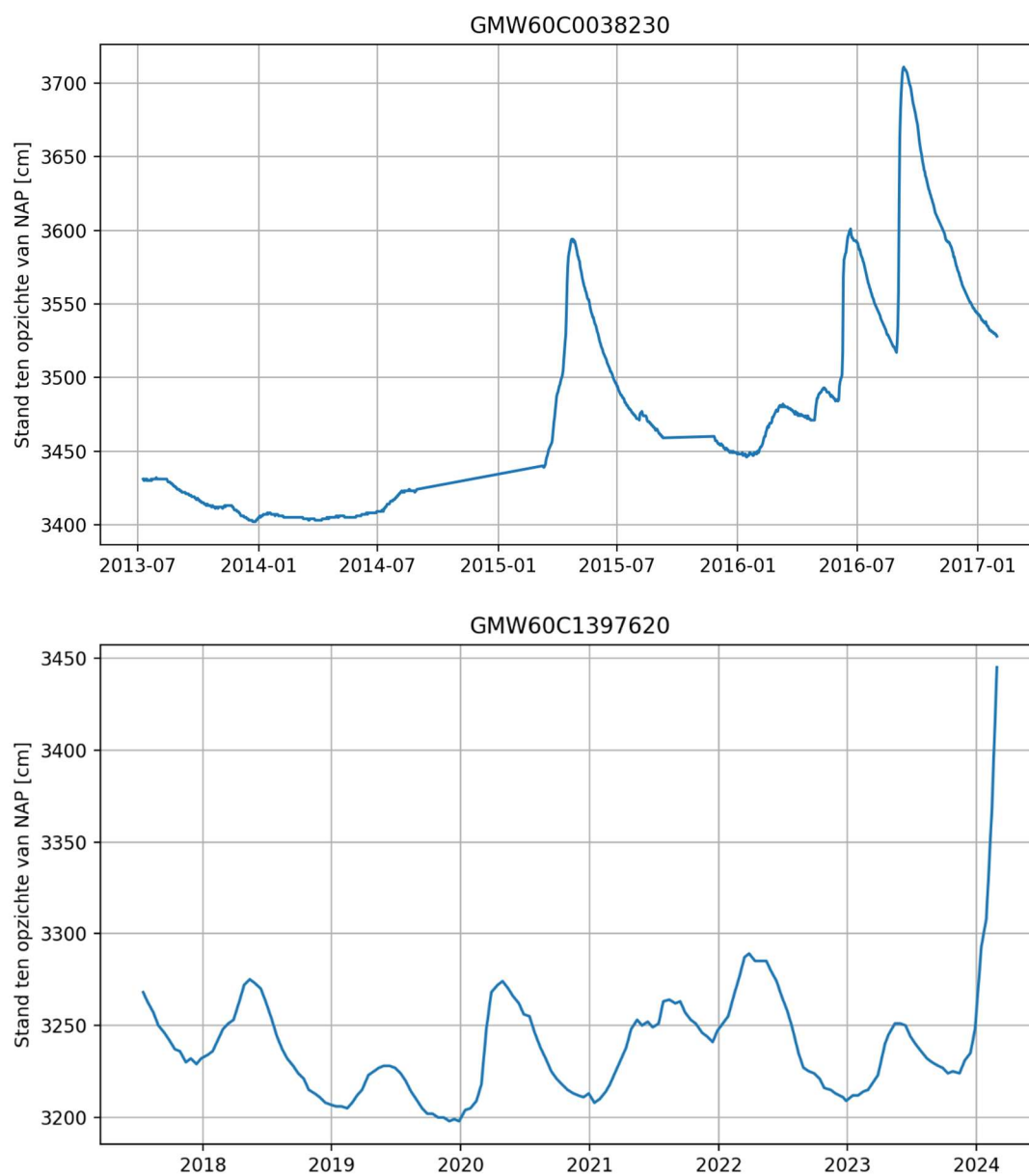




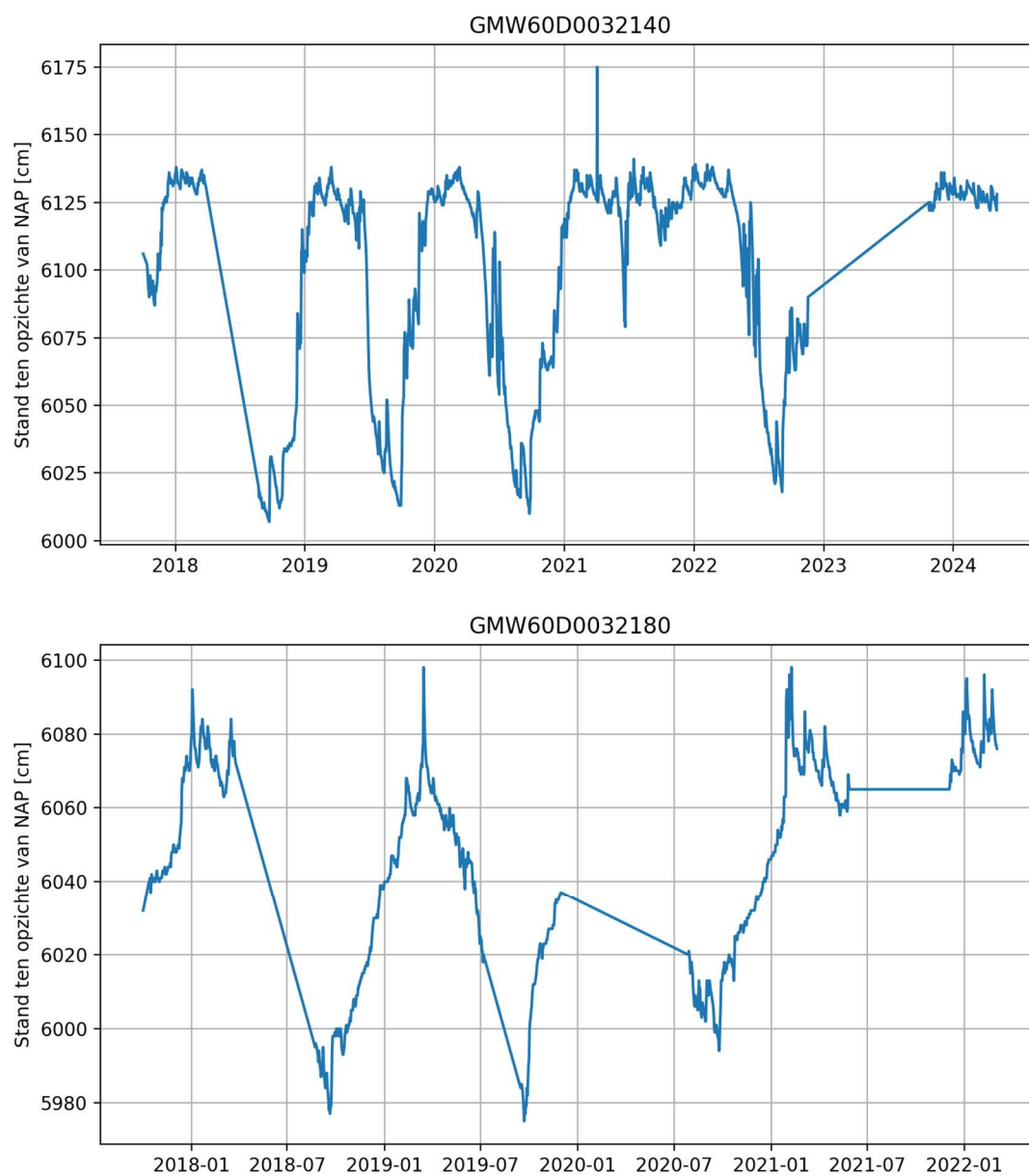


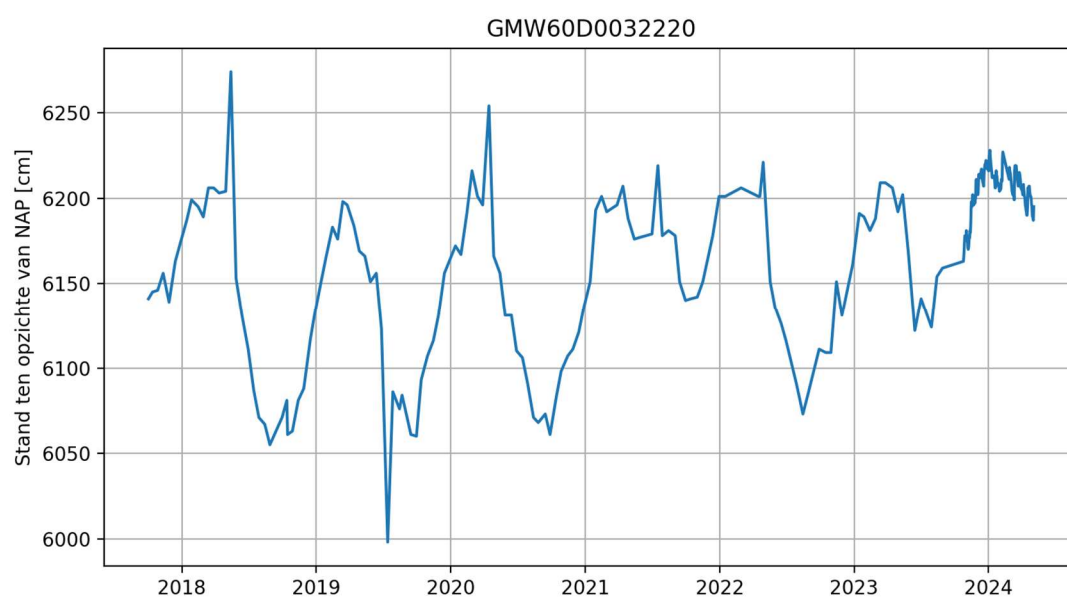
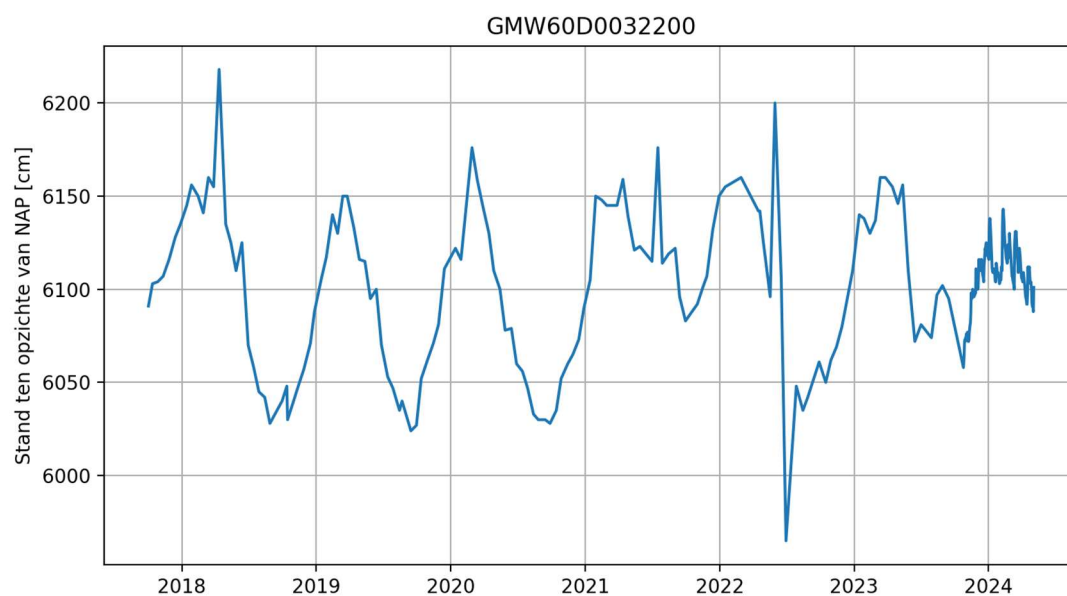


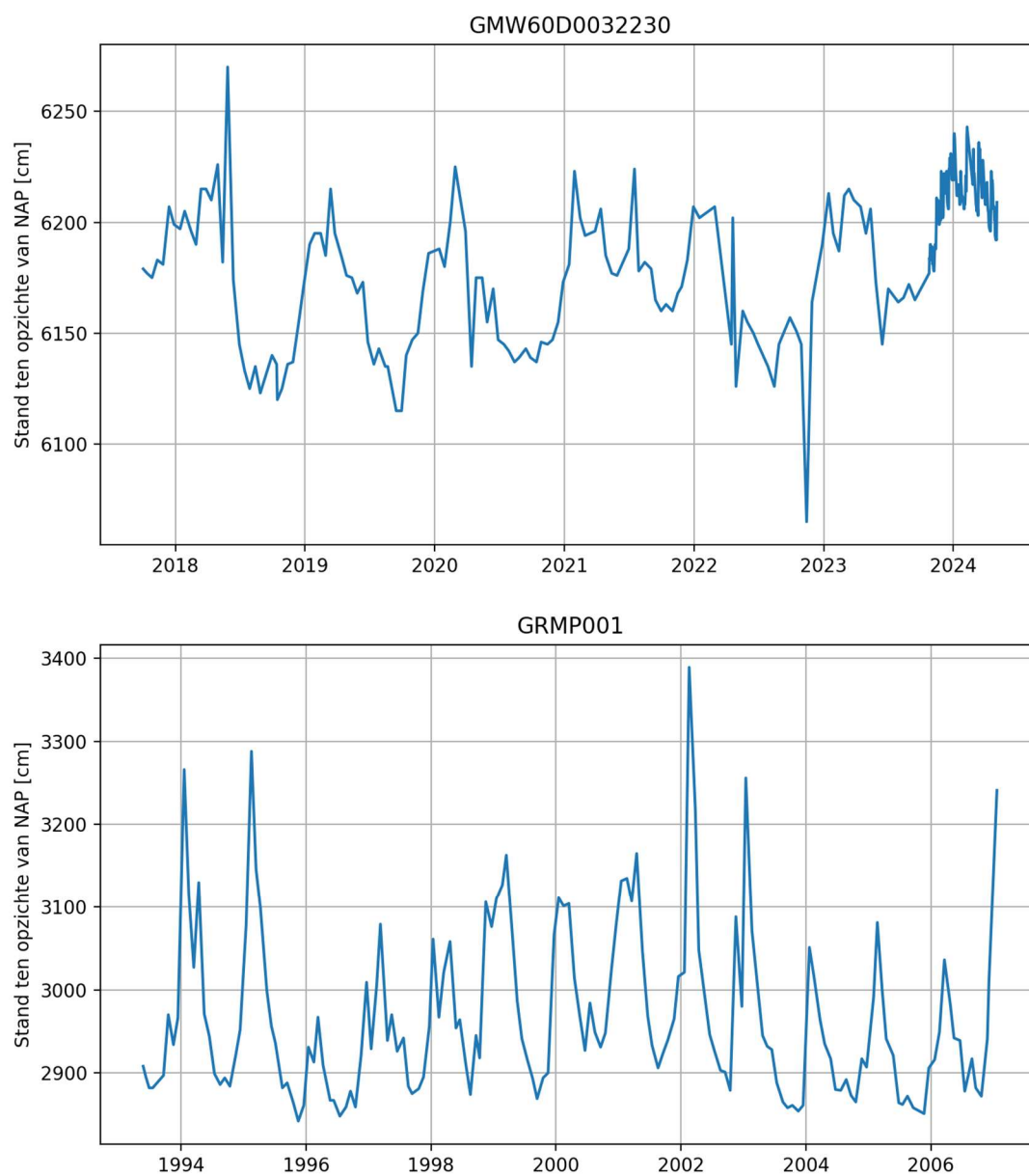


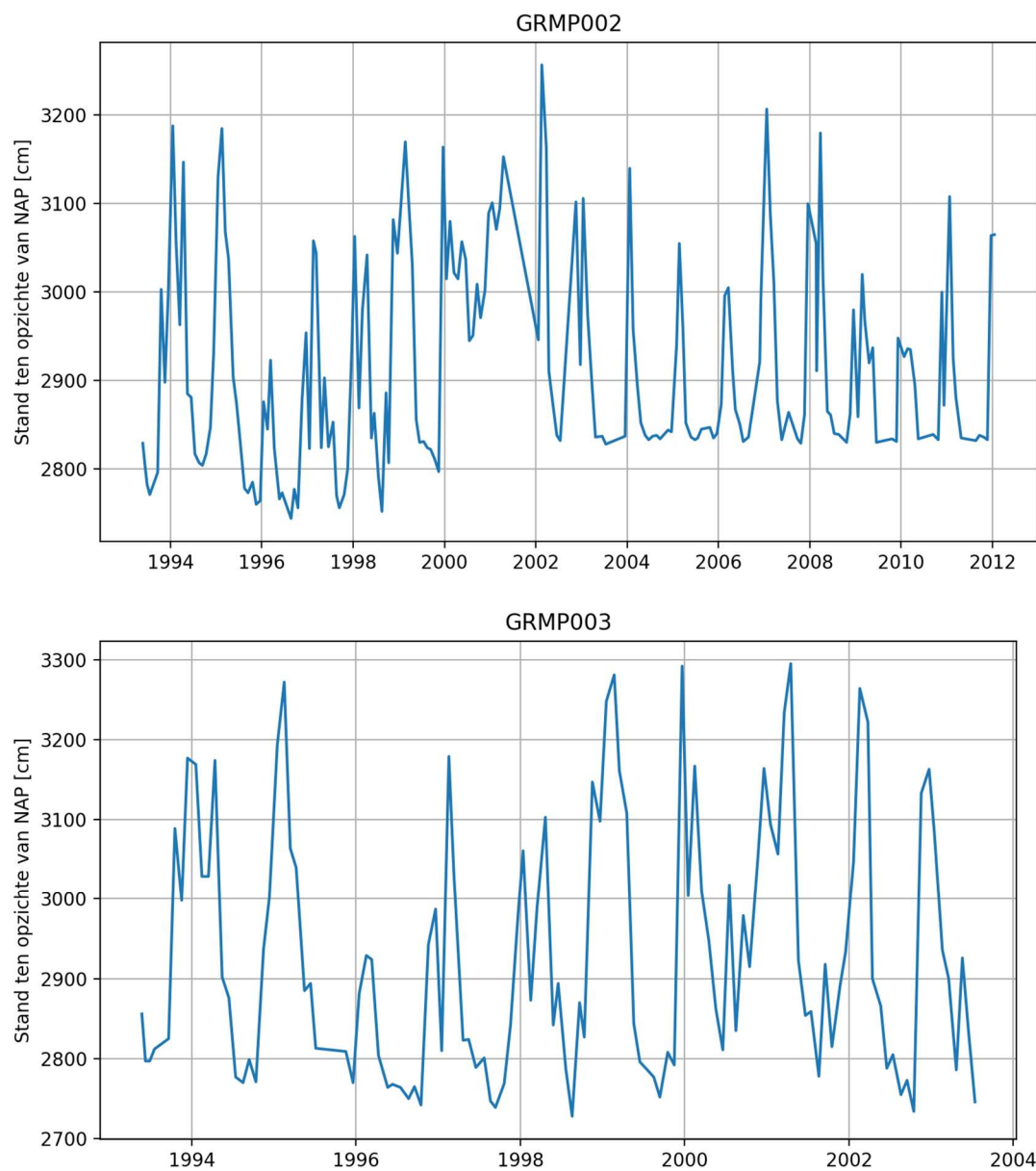


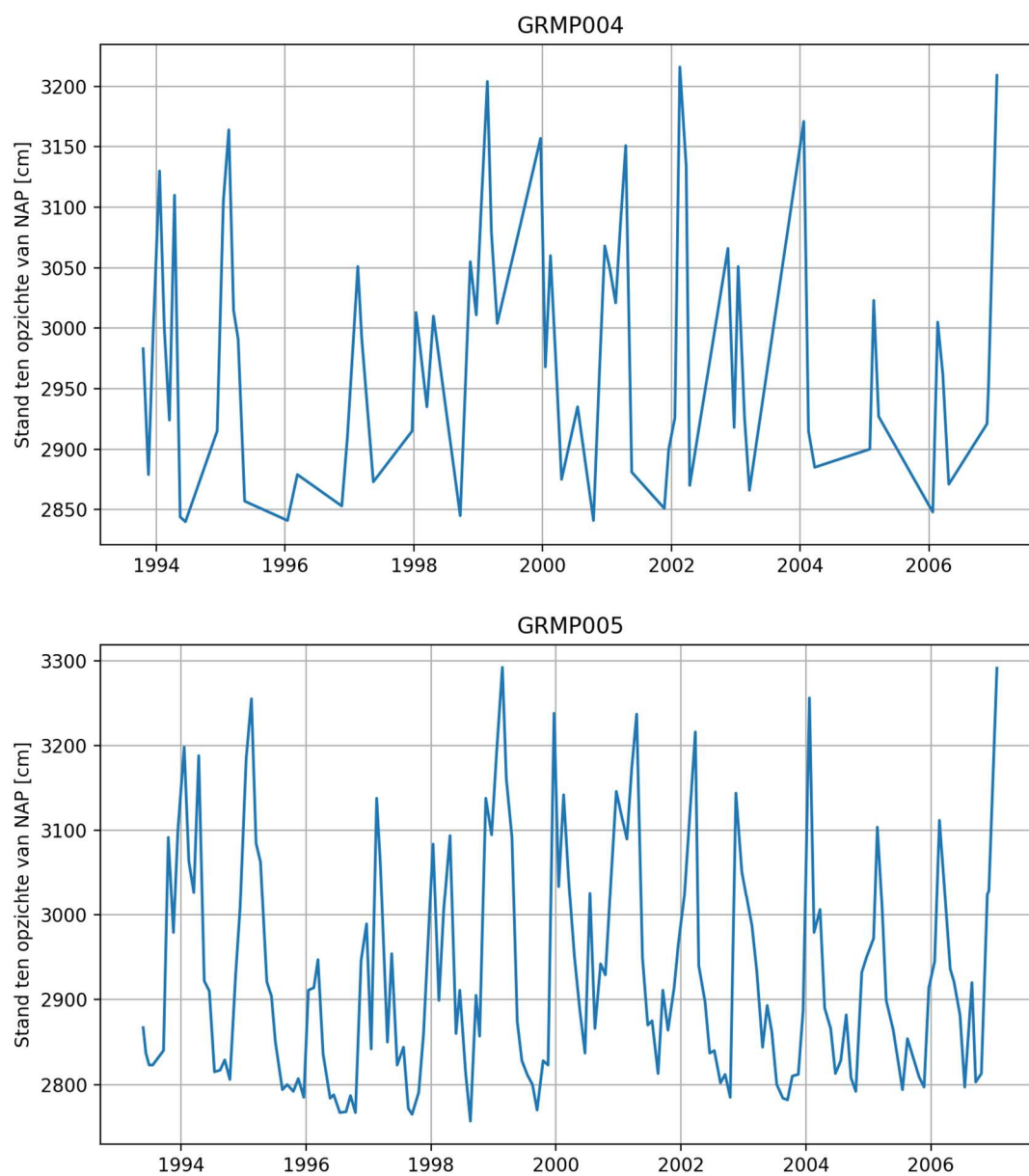


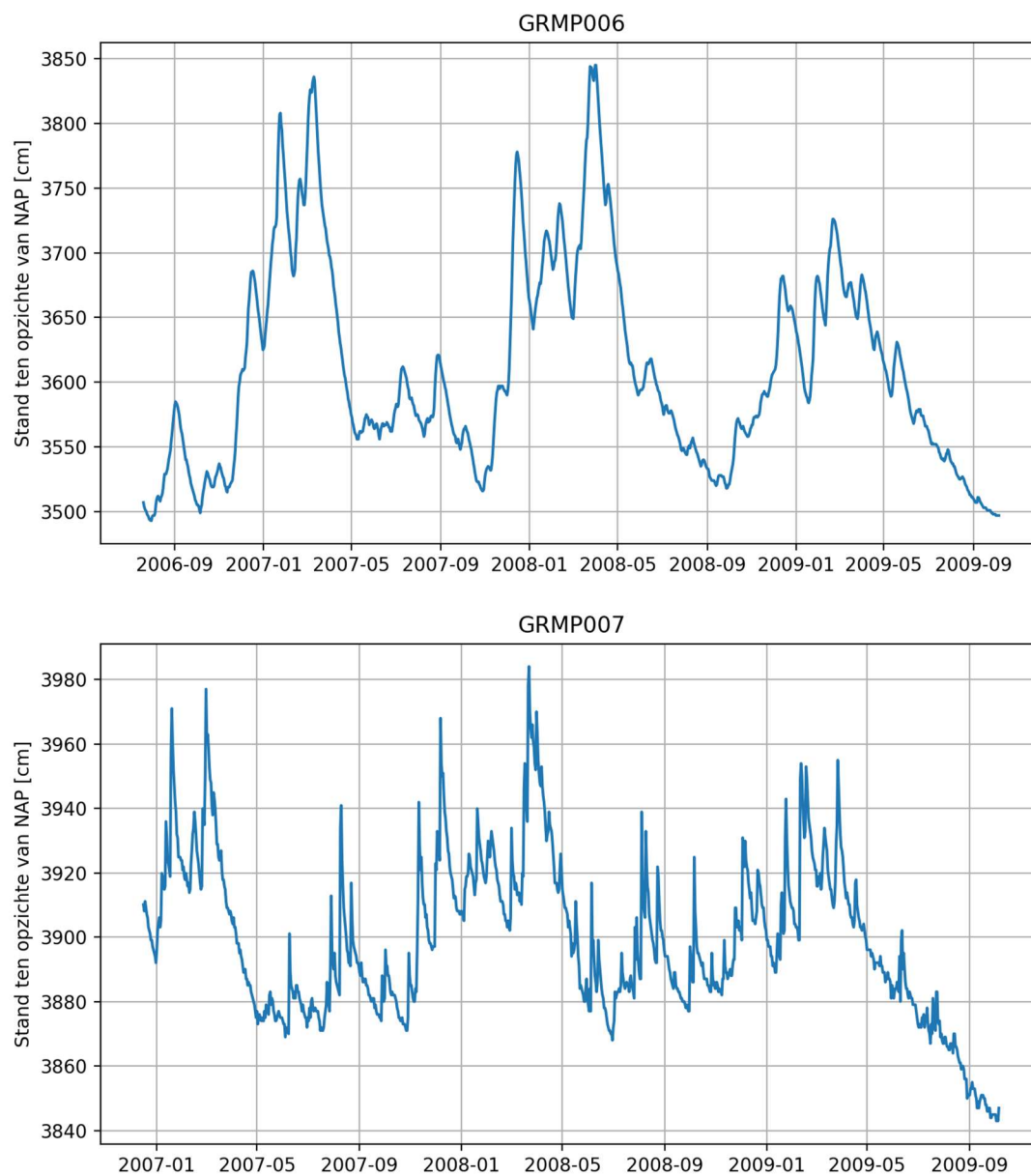


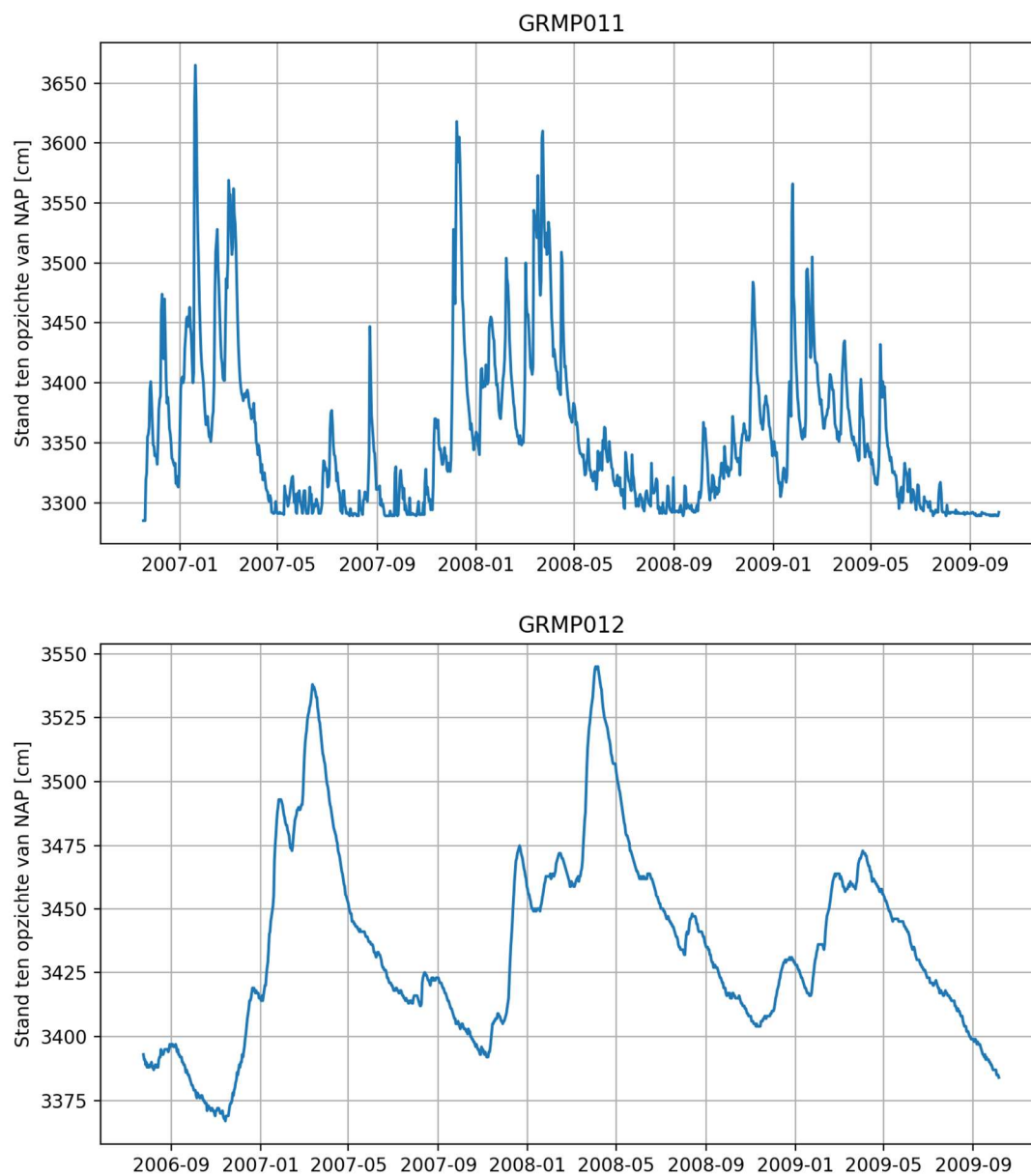


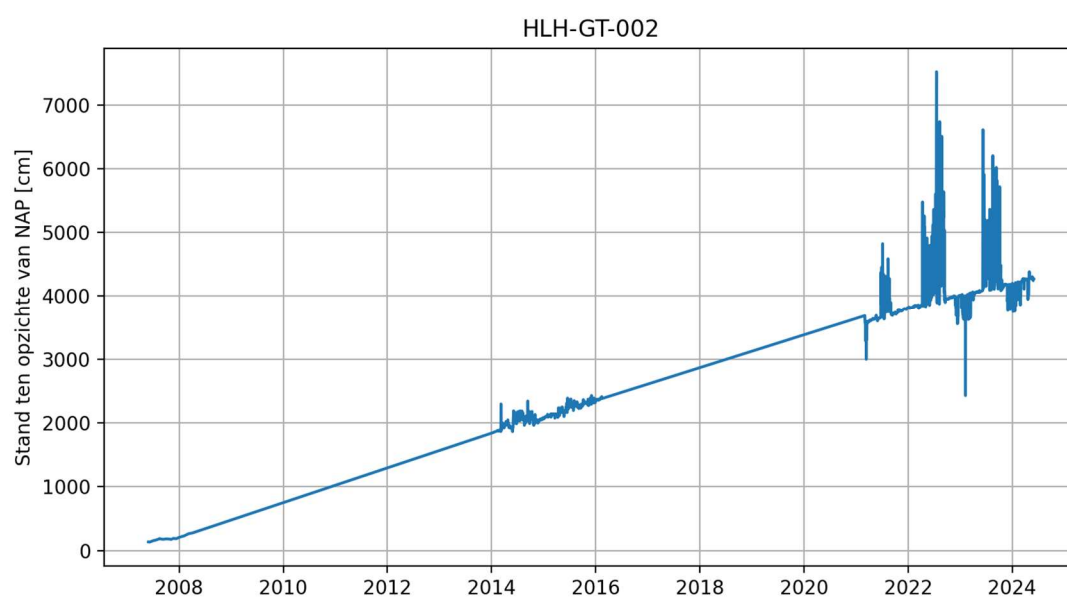
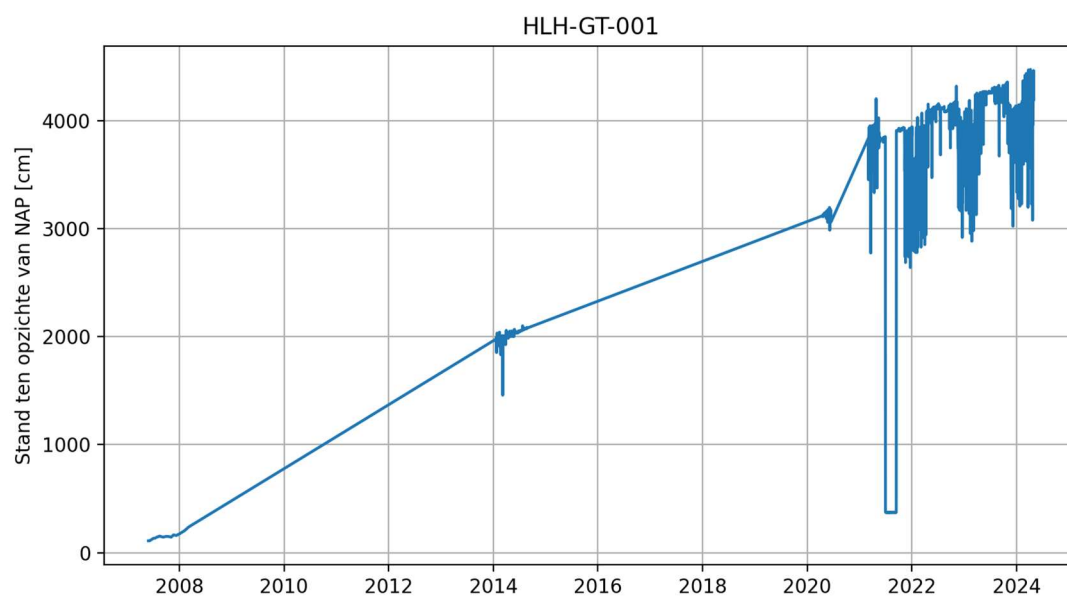




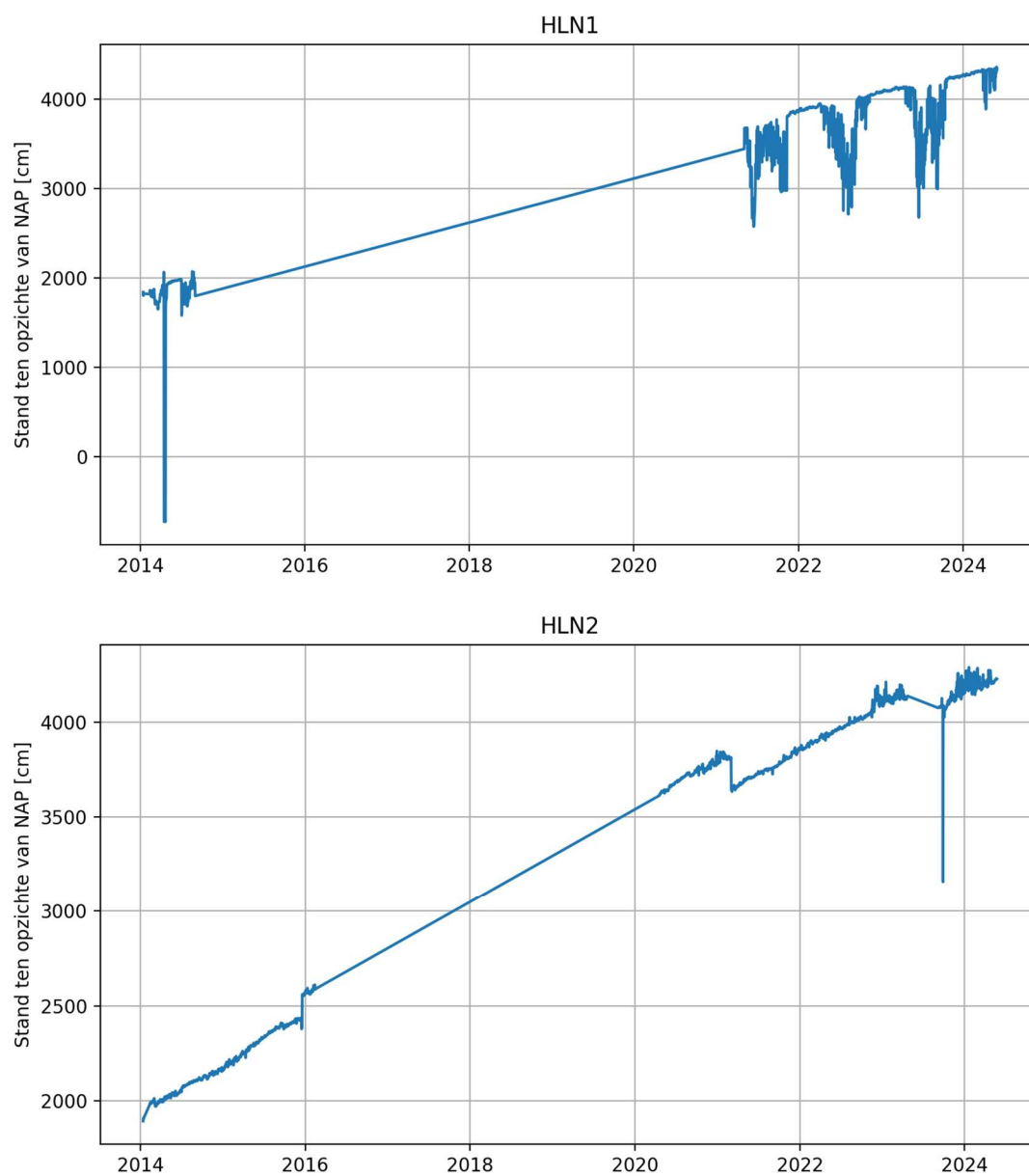


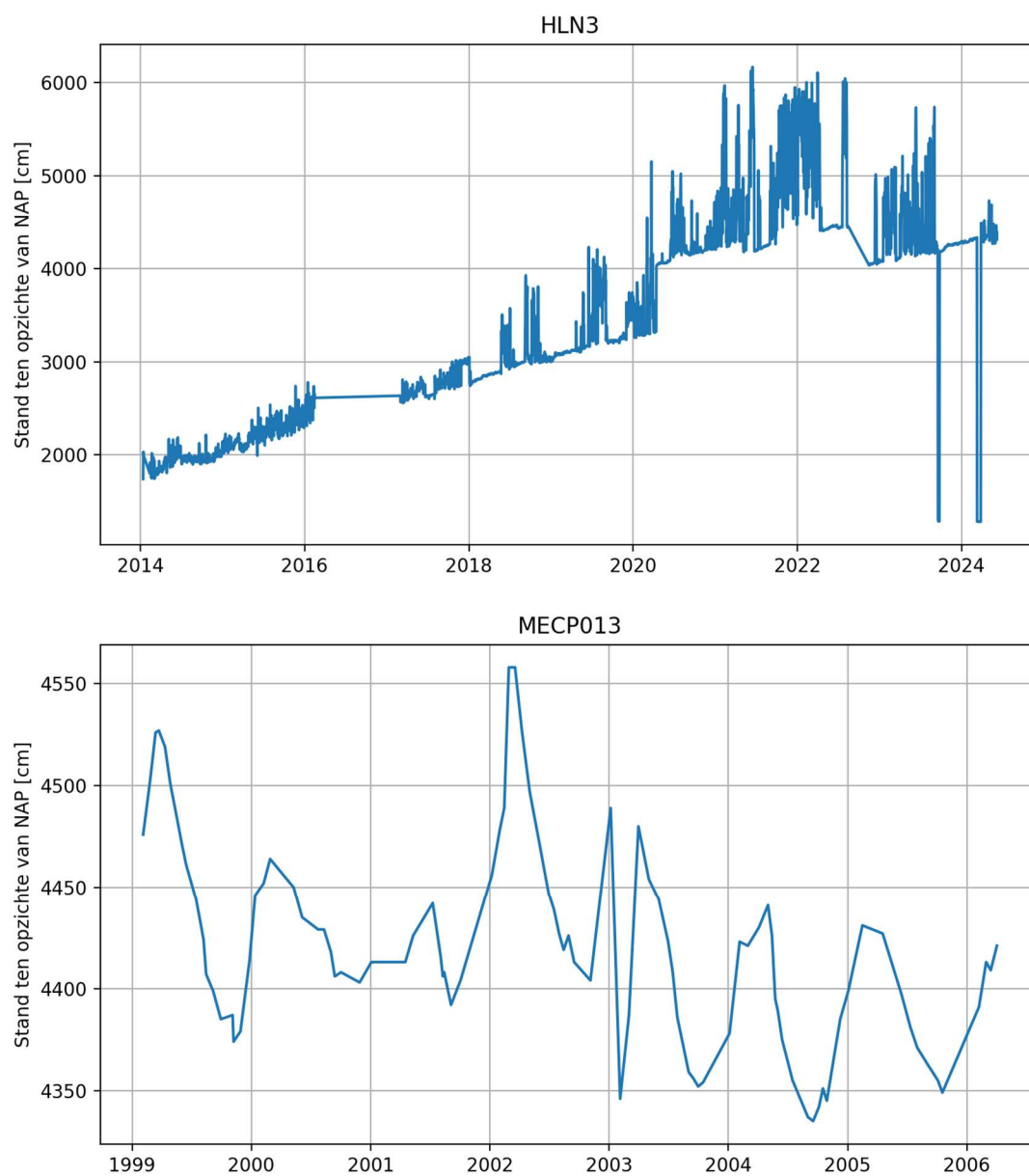


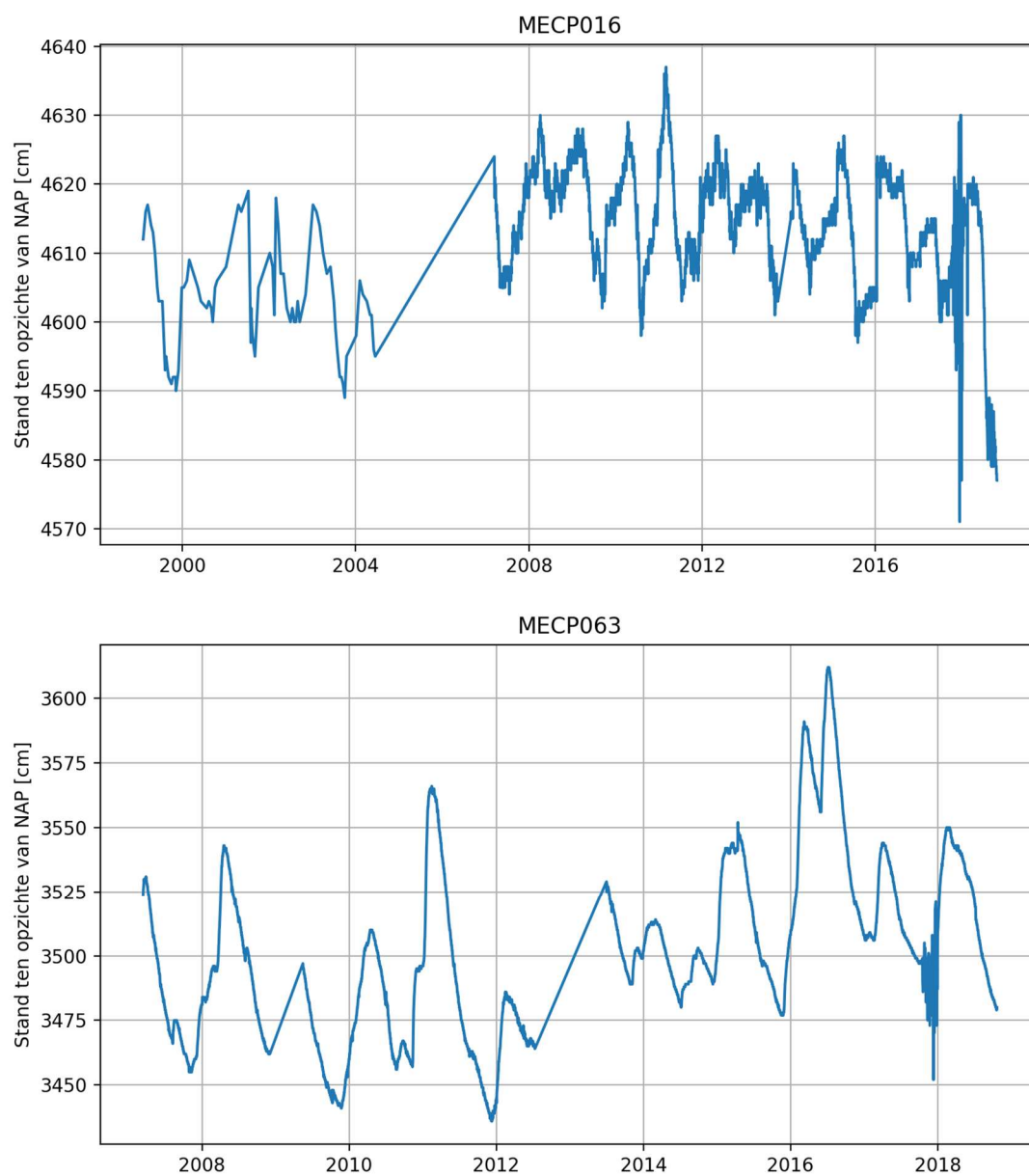


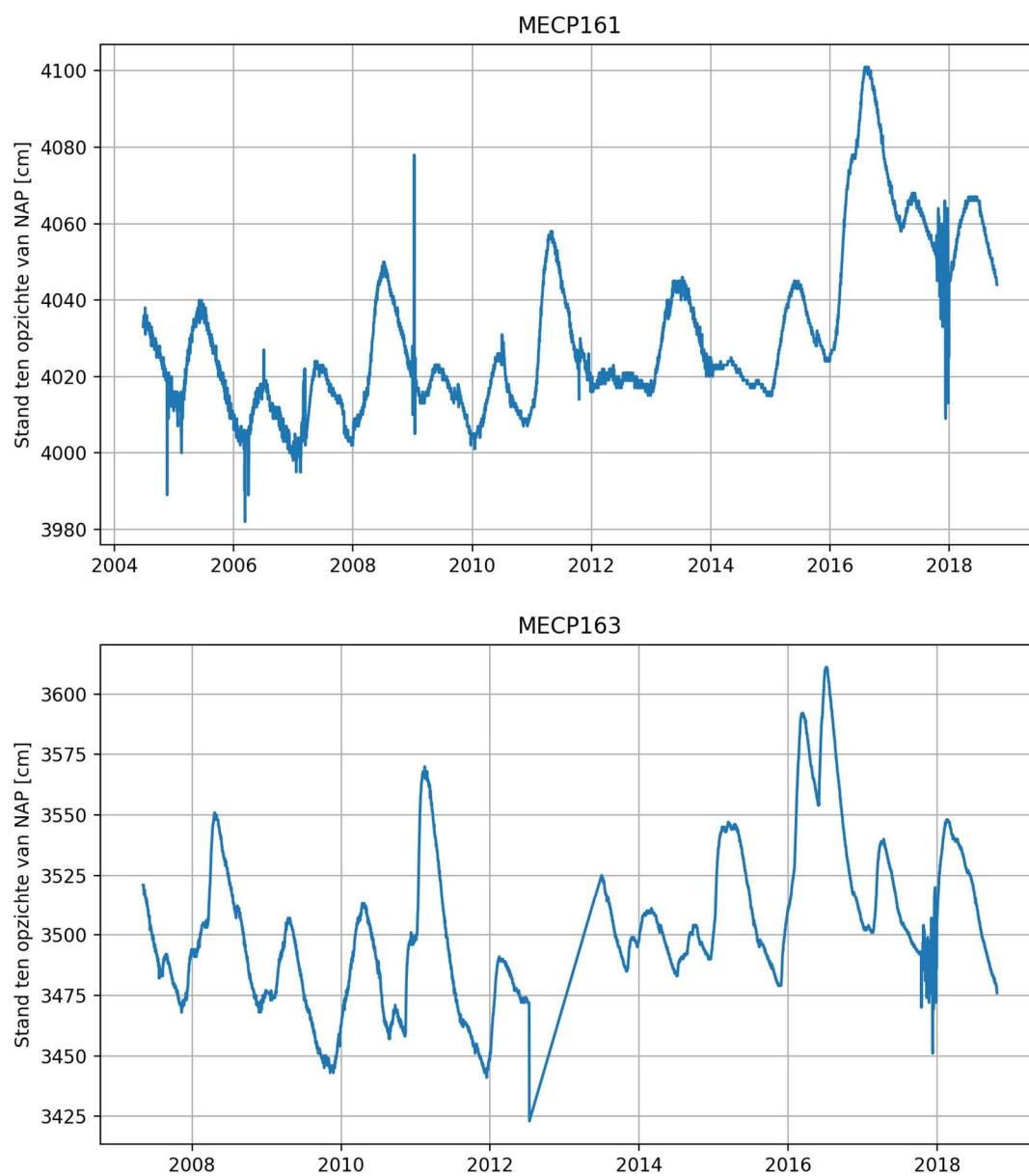


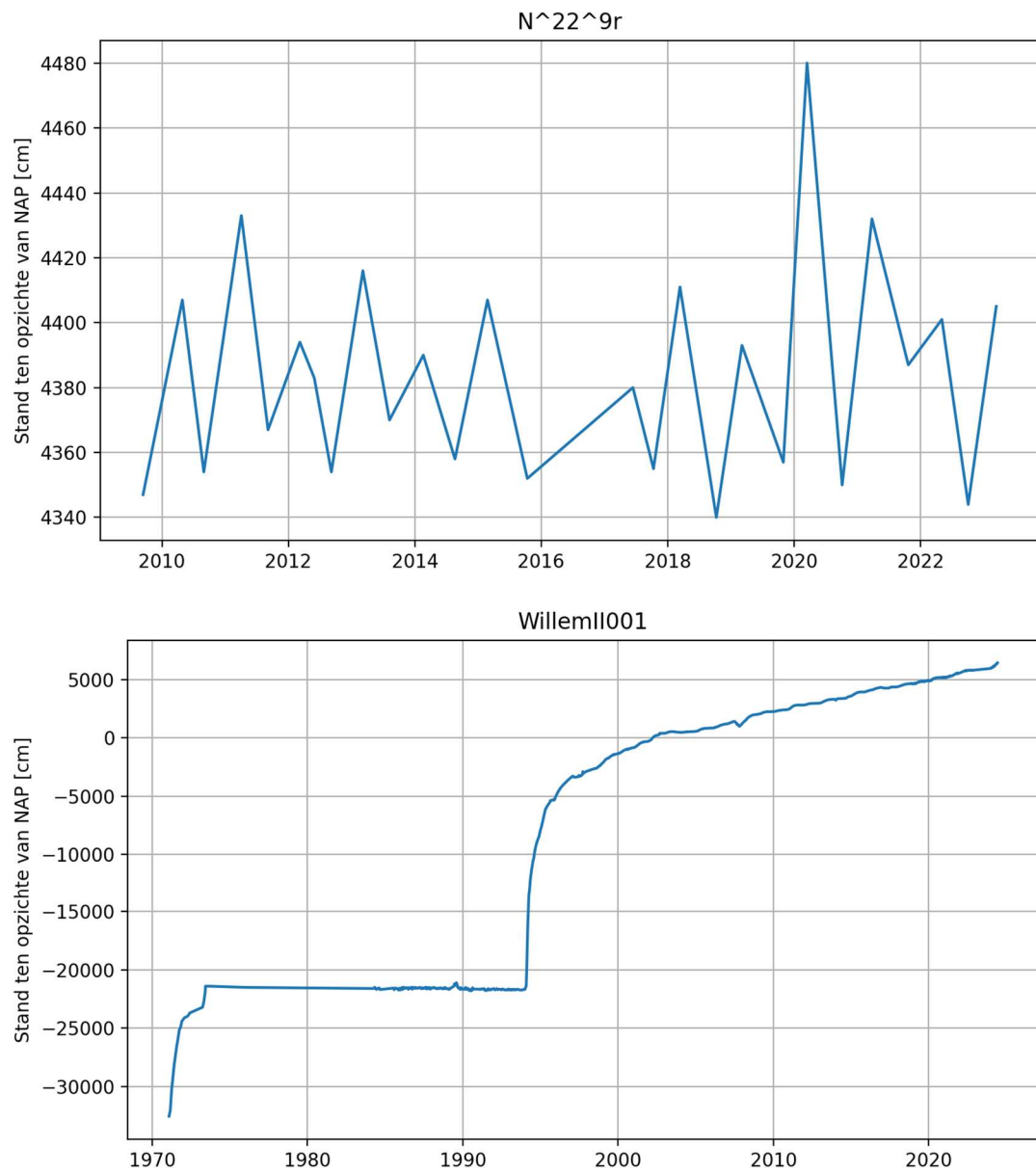


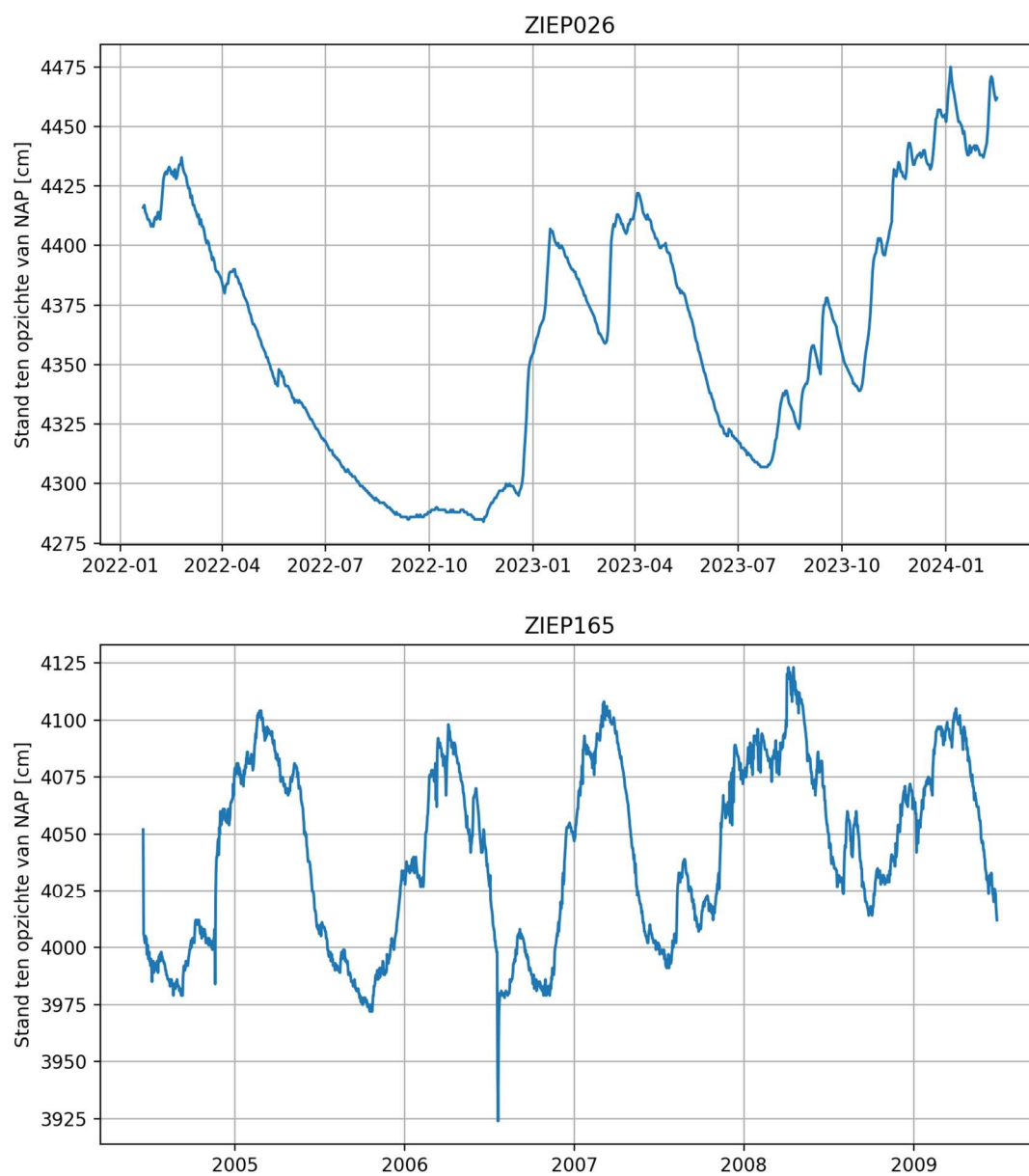


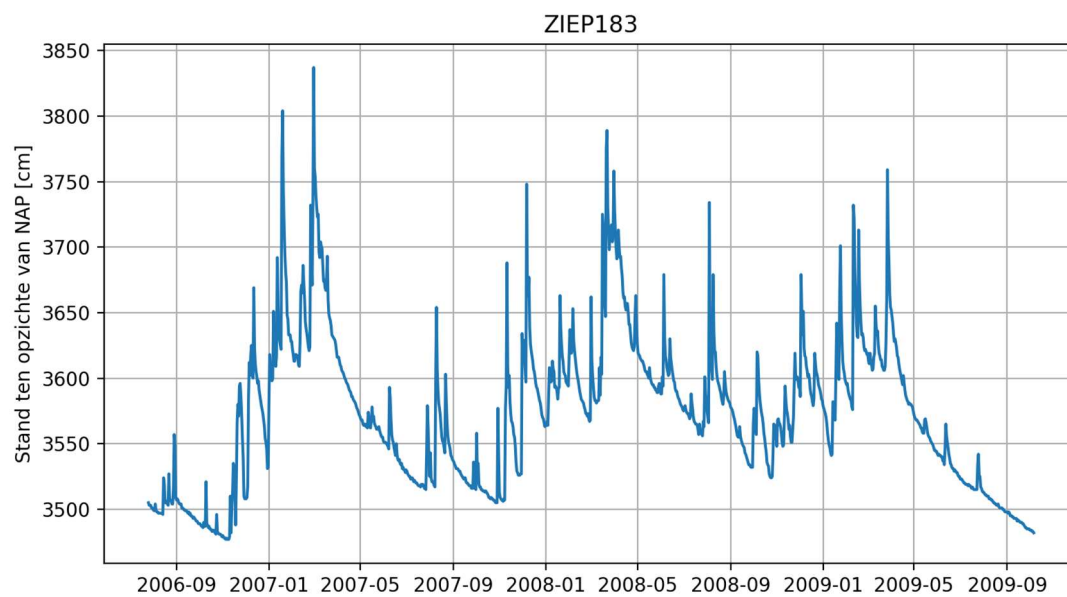








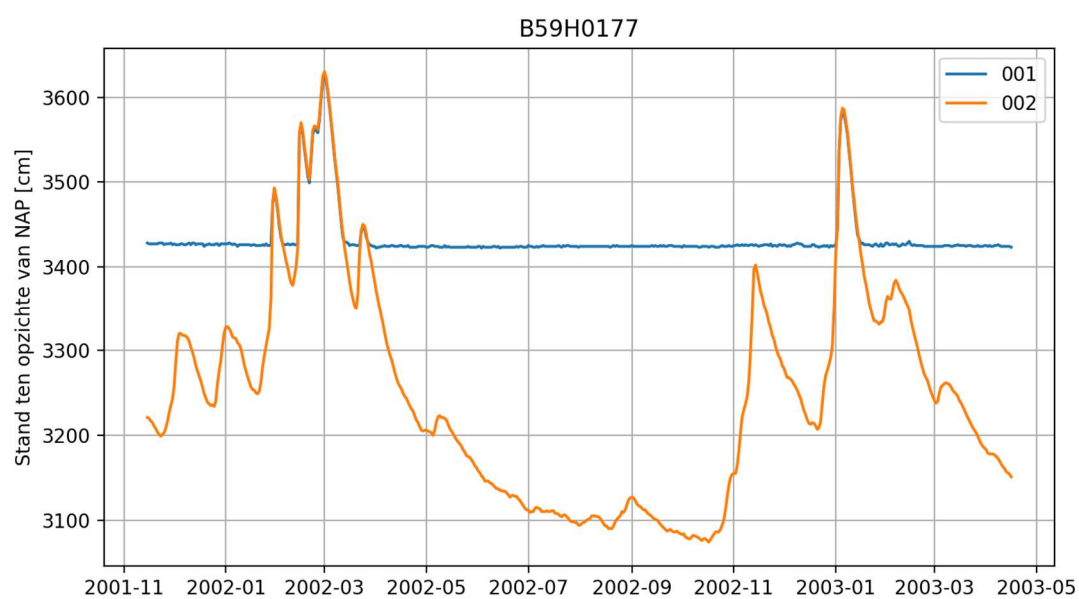
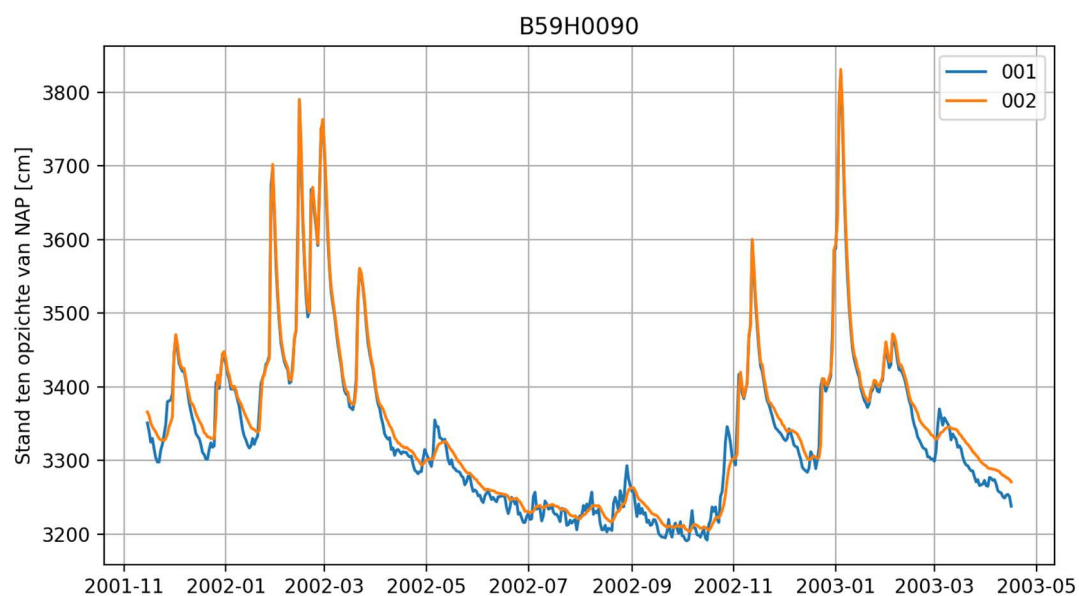


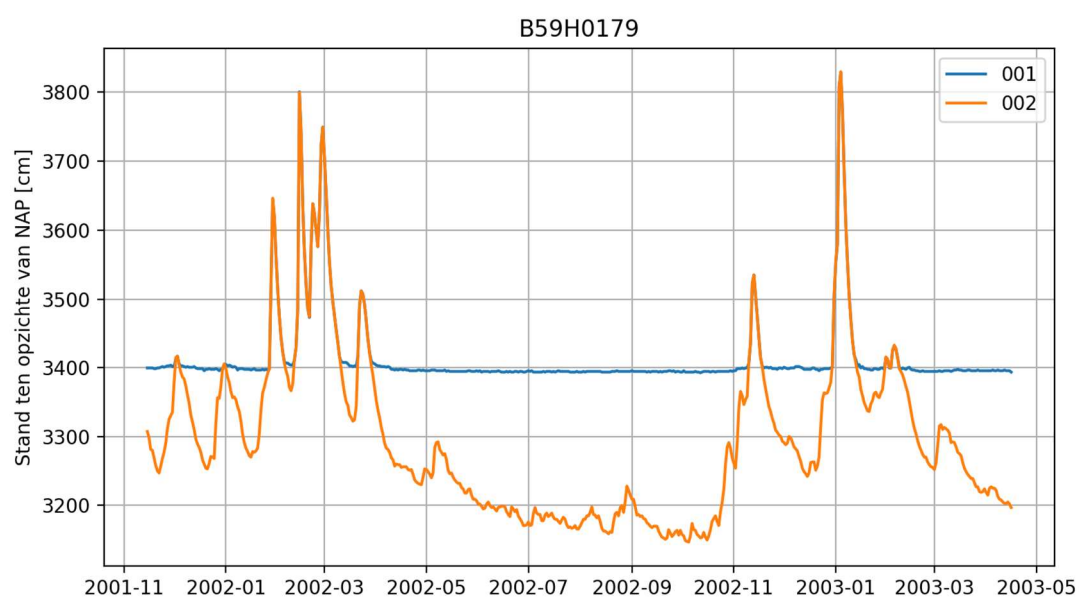
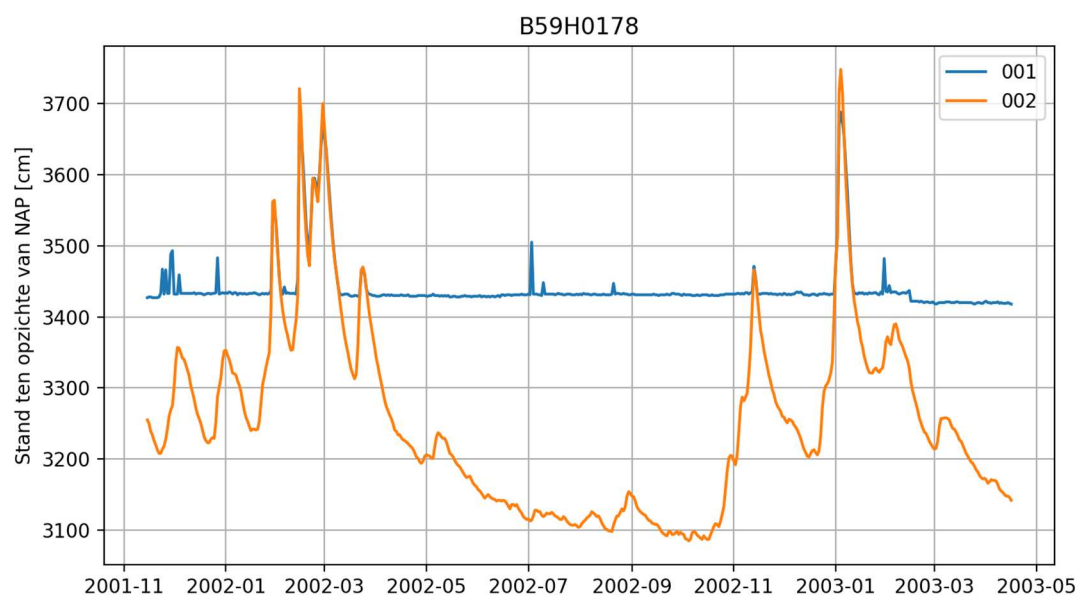


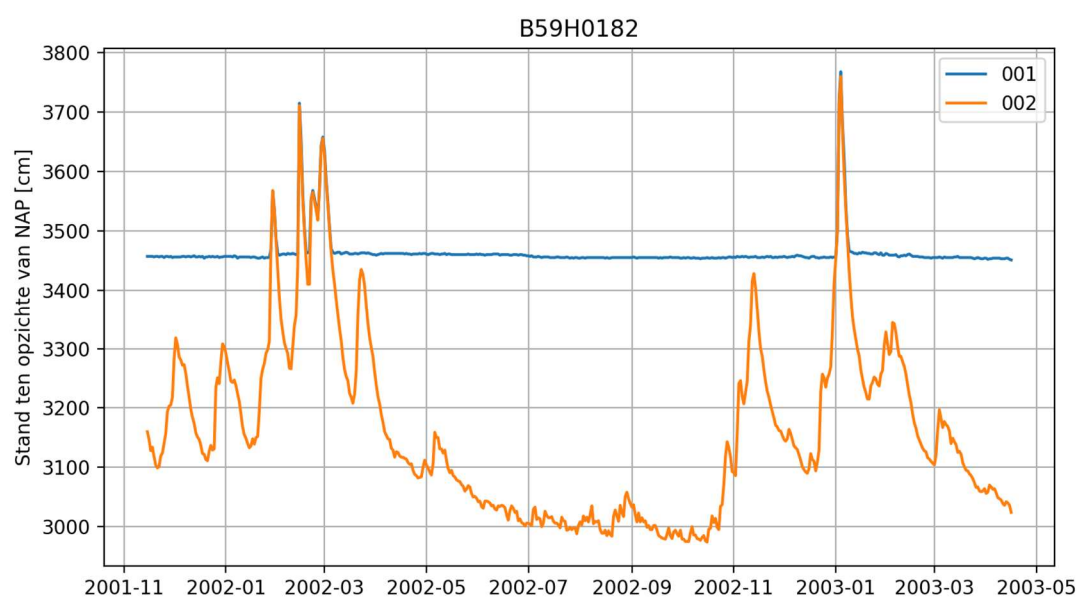
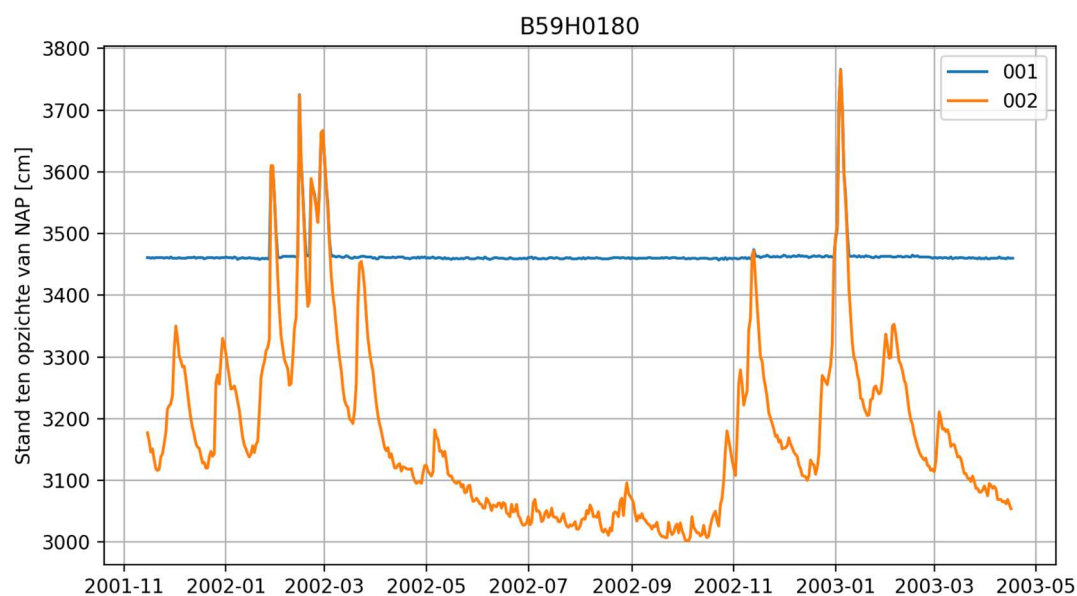
Bijlage C

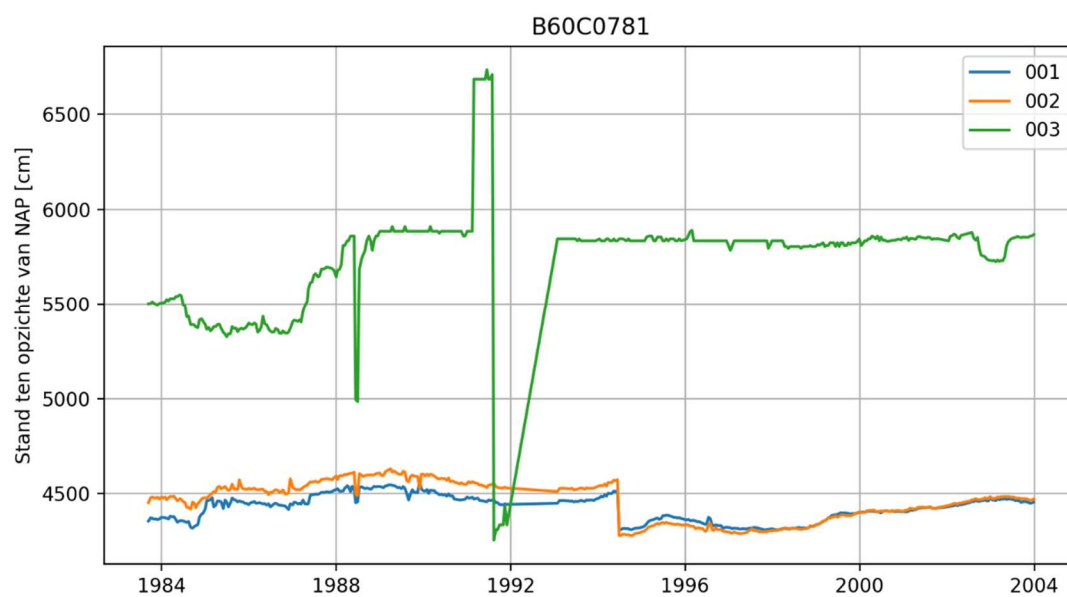
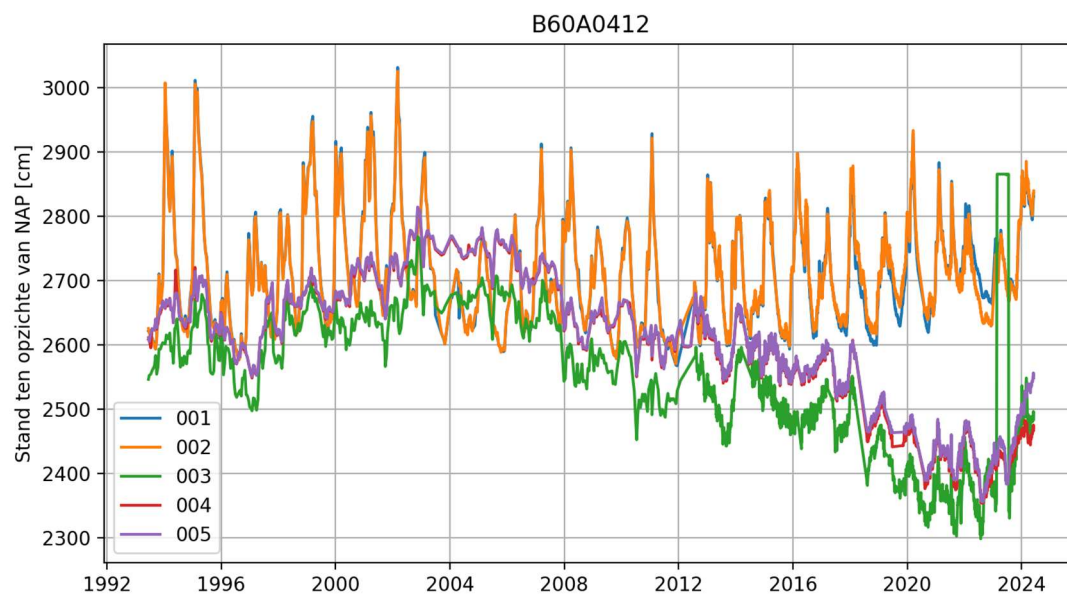
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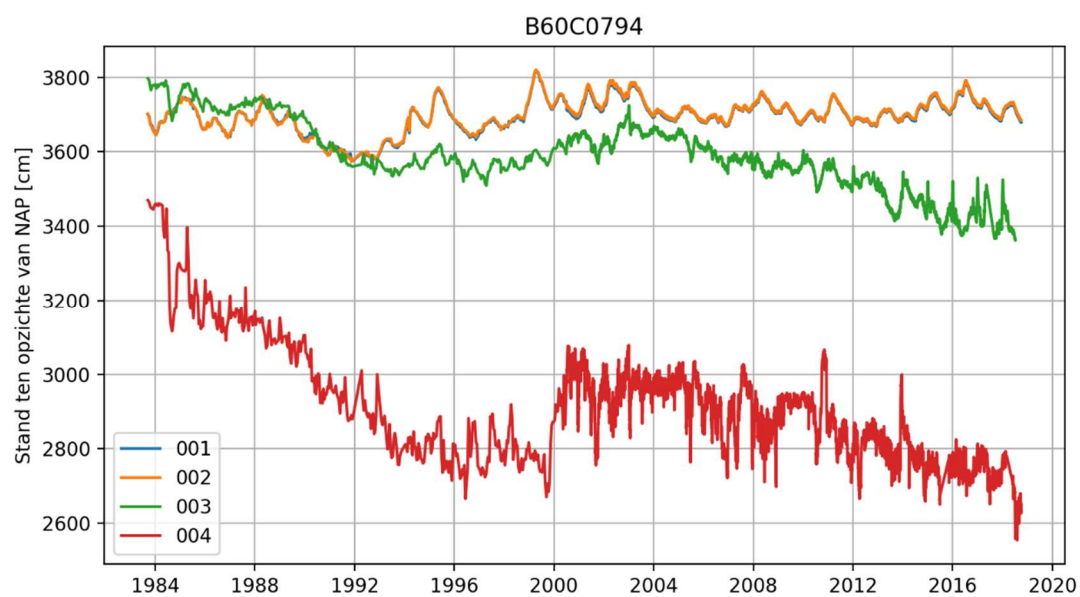
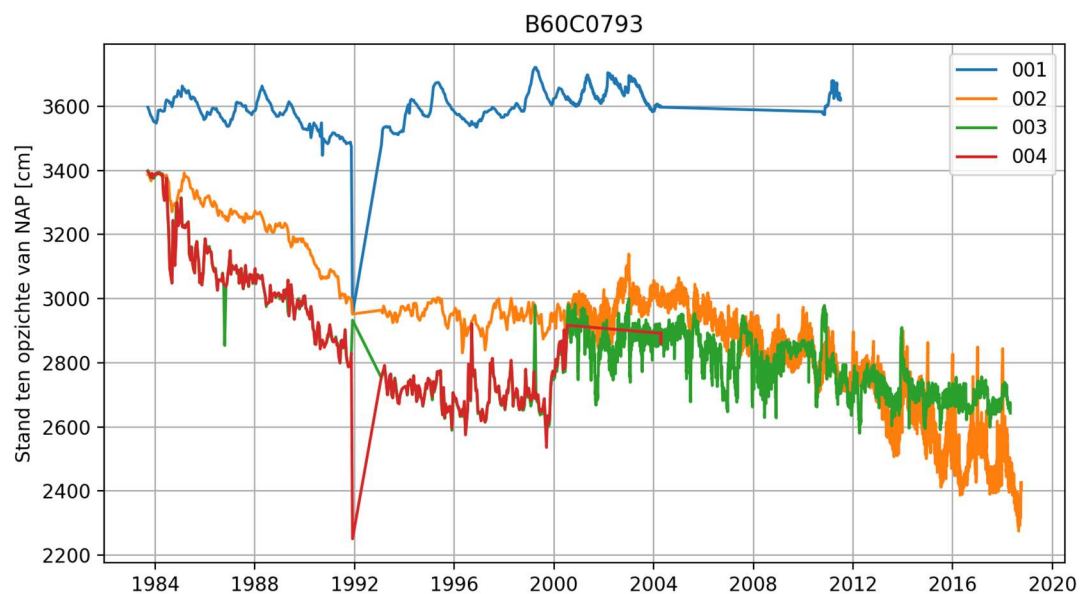


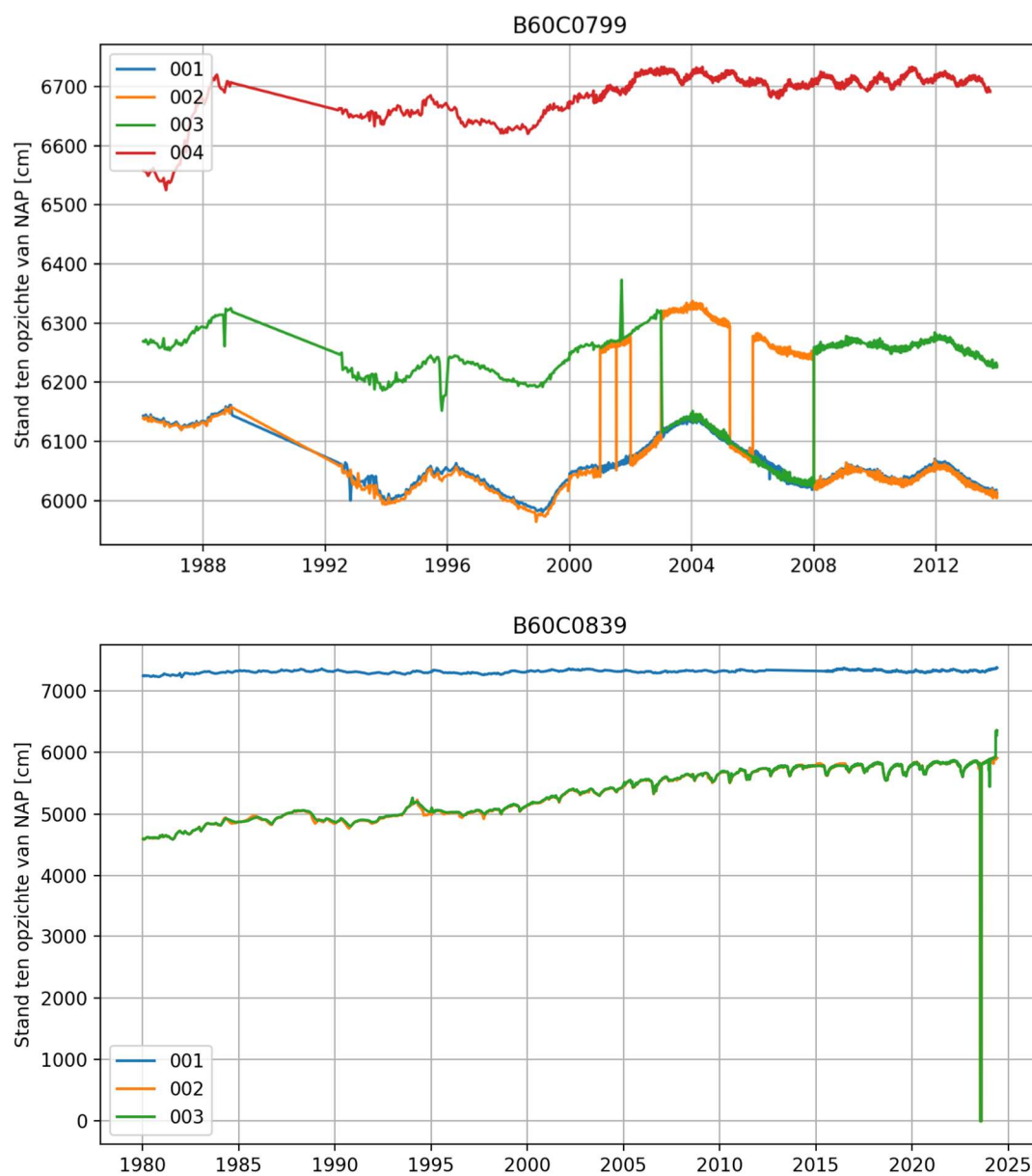


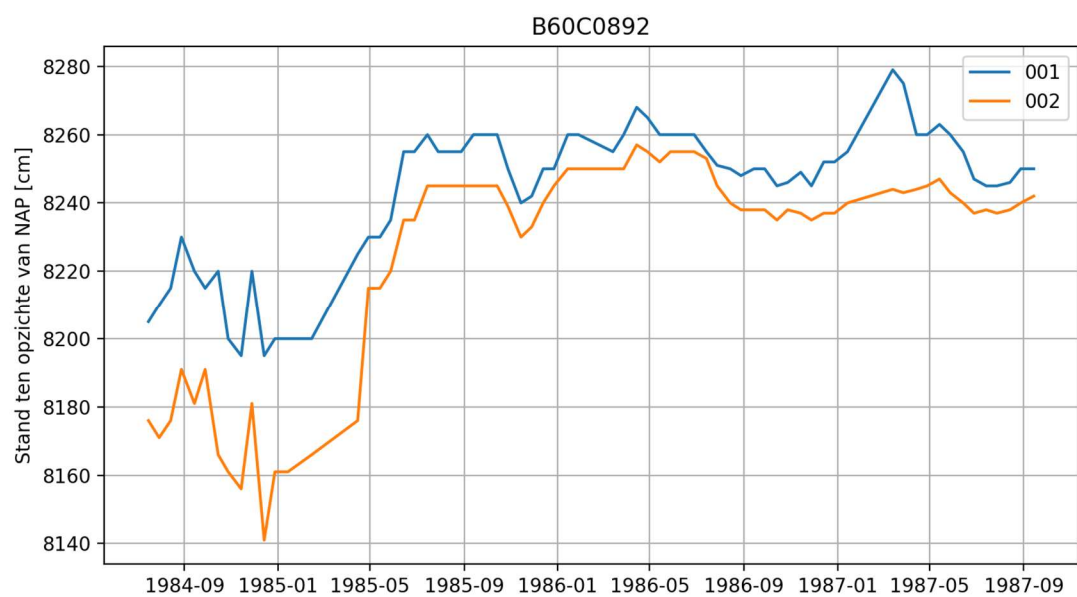
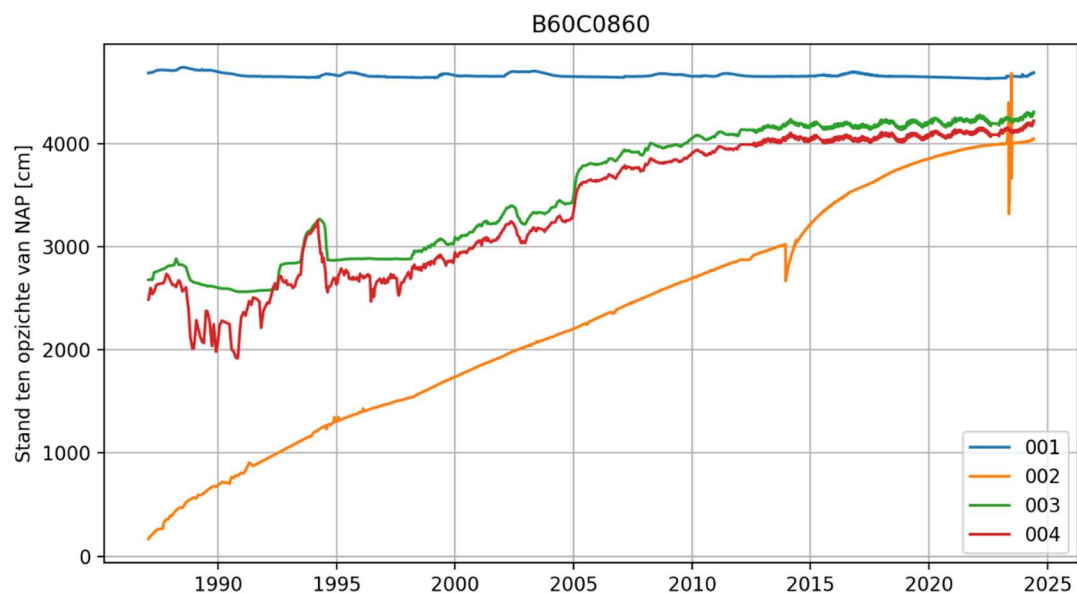


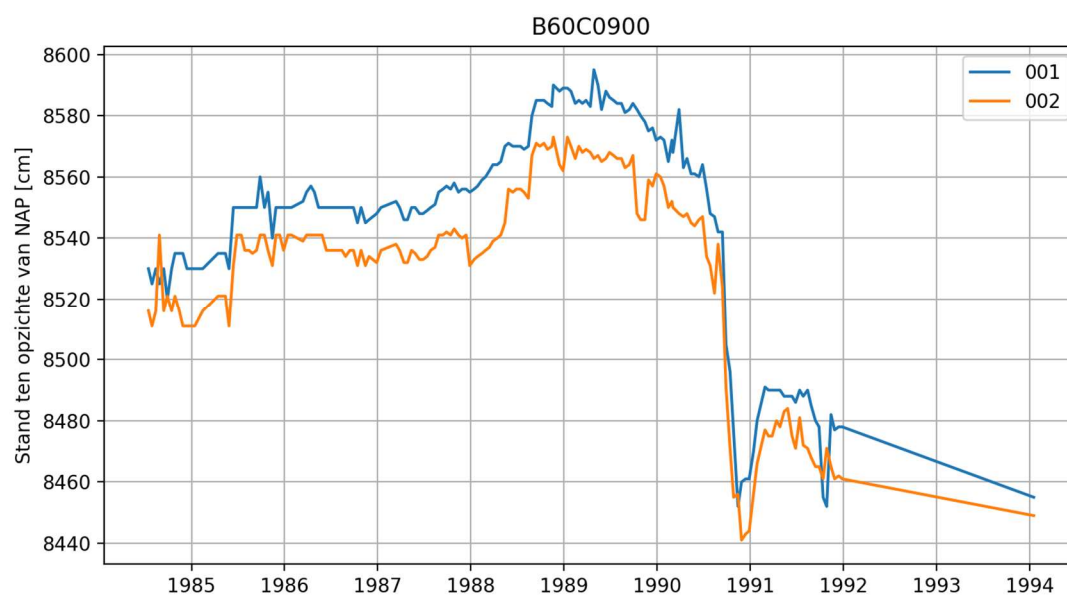
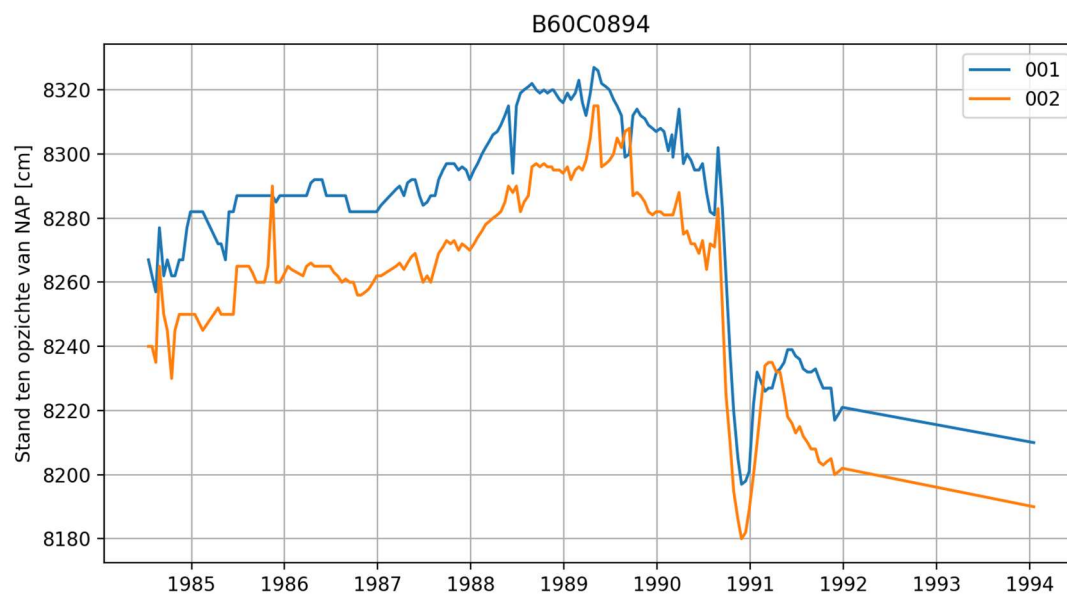




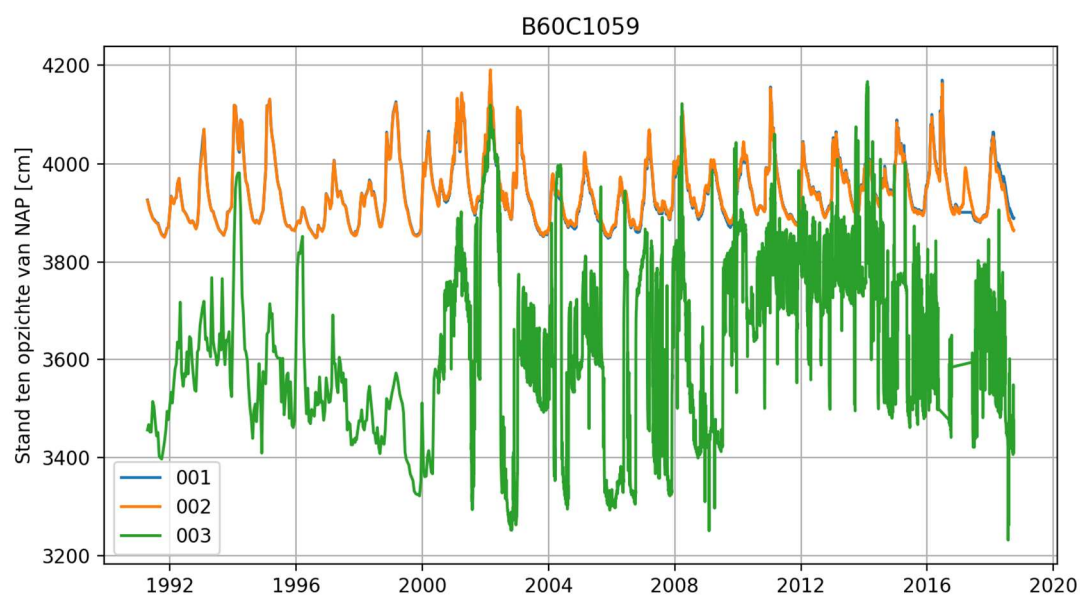
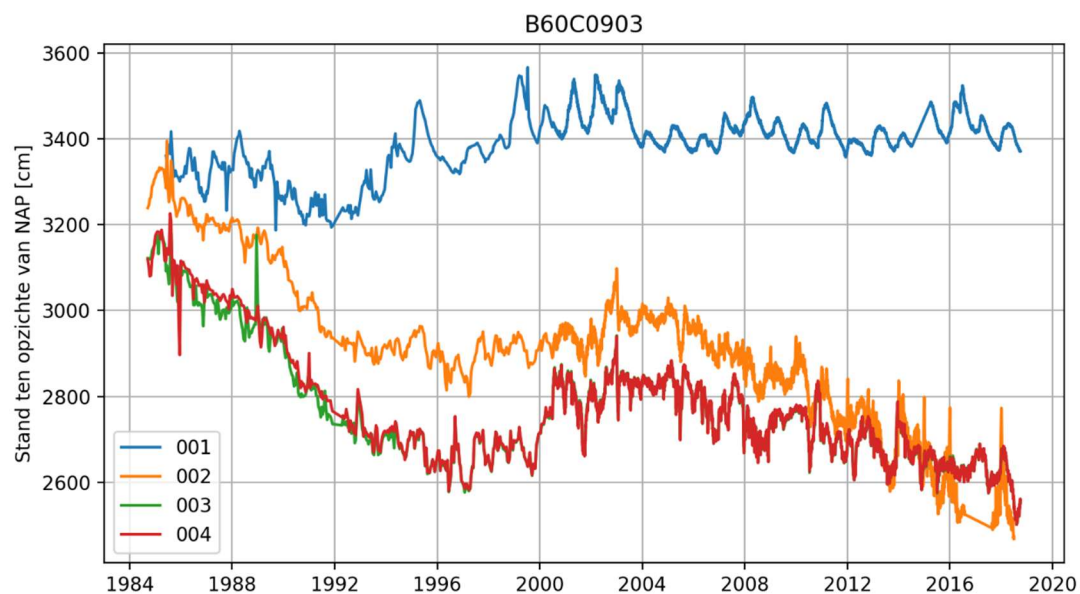


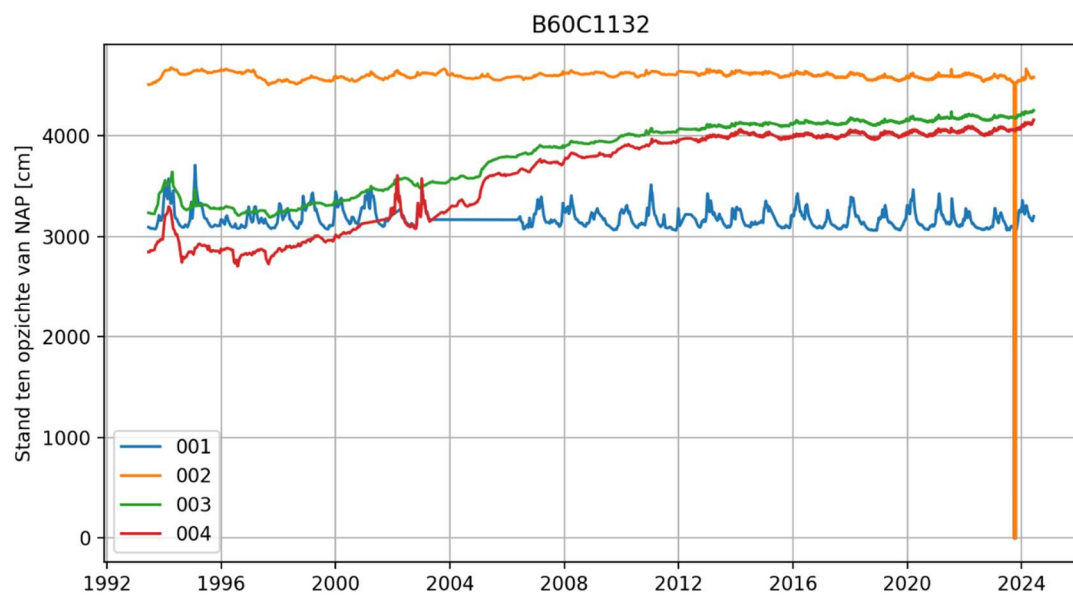
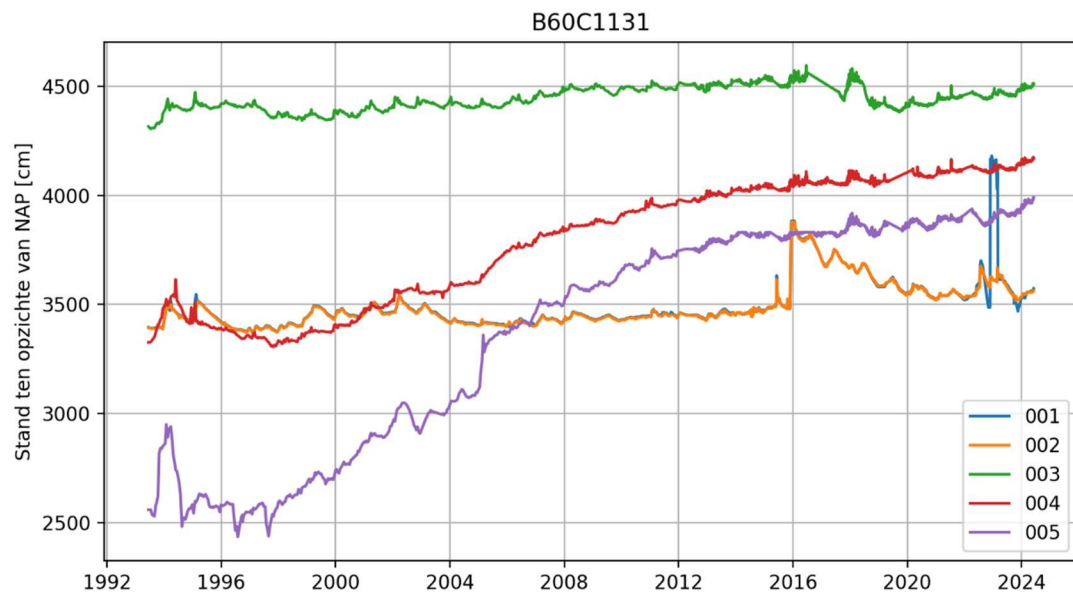


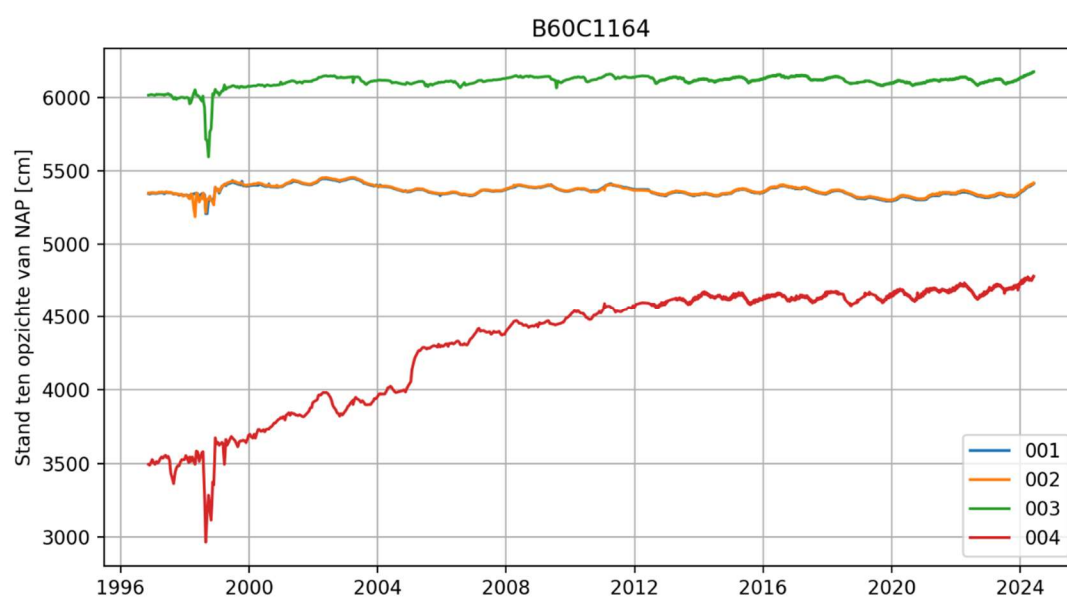
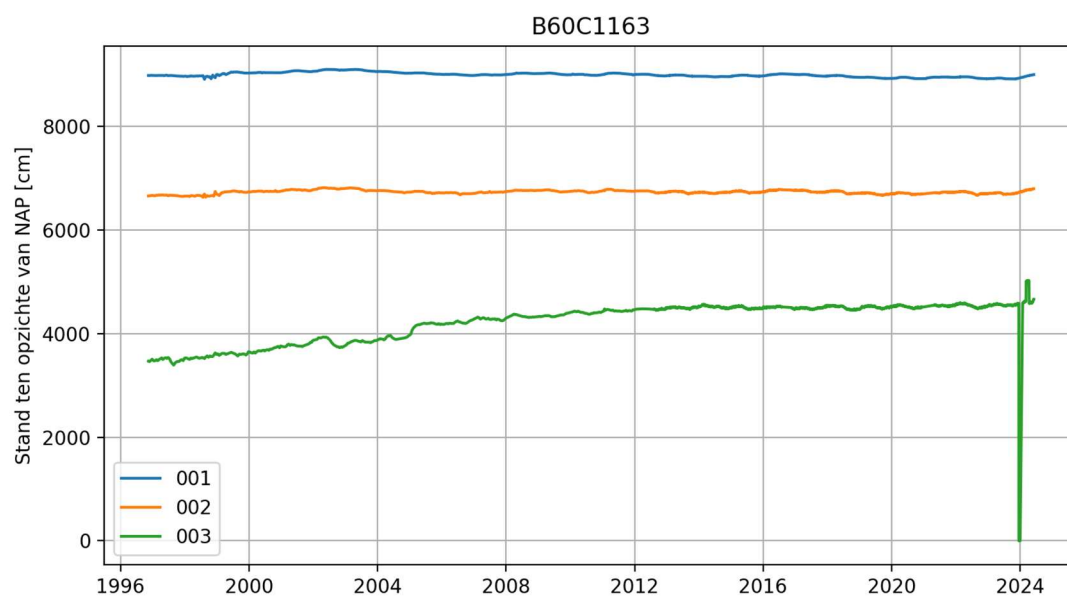


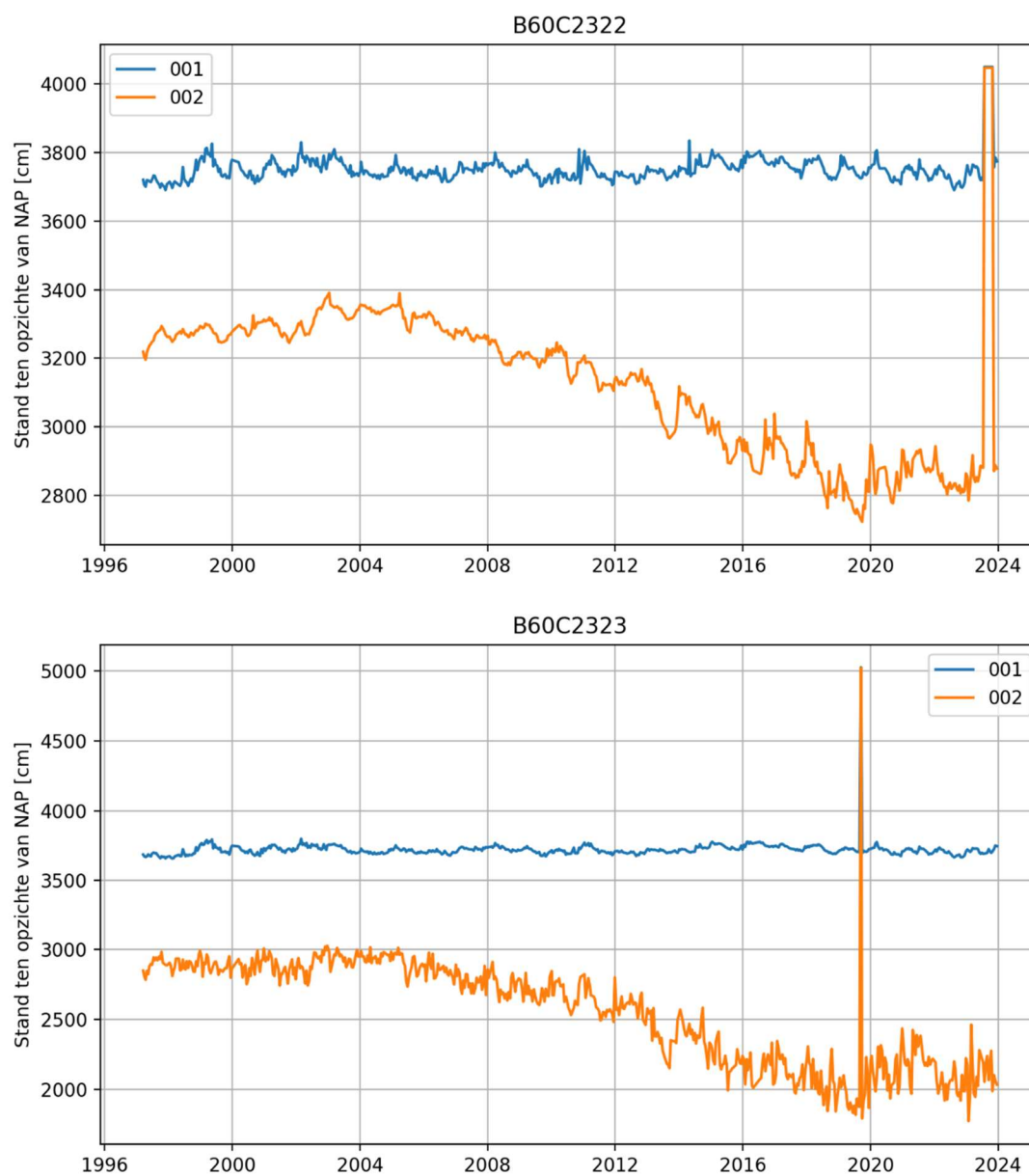


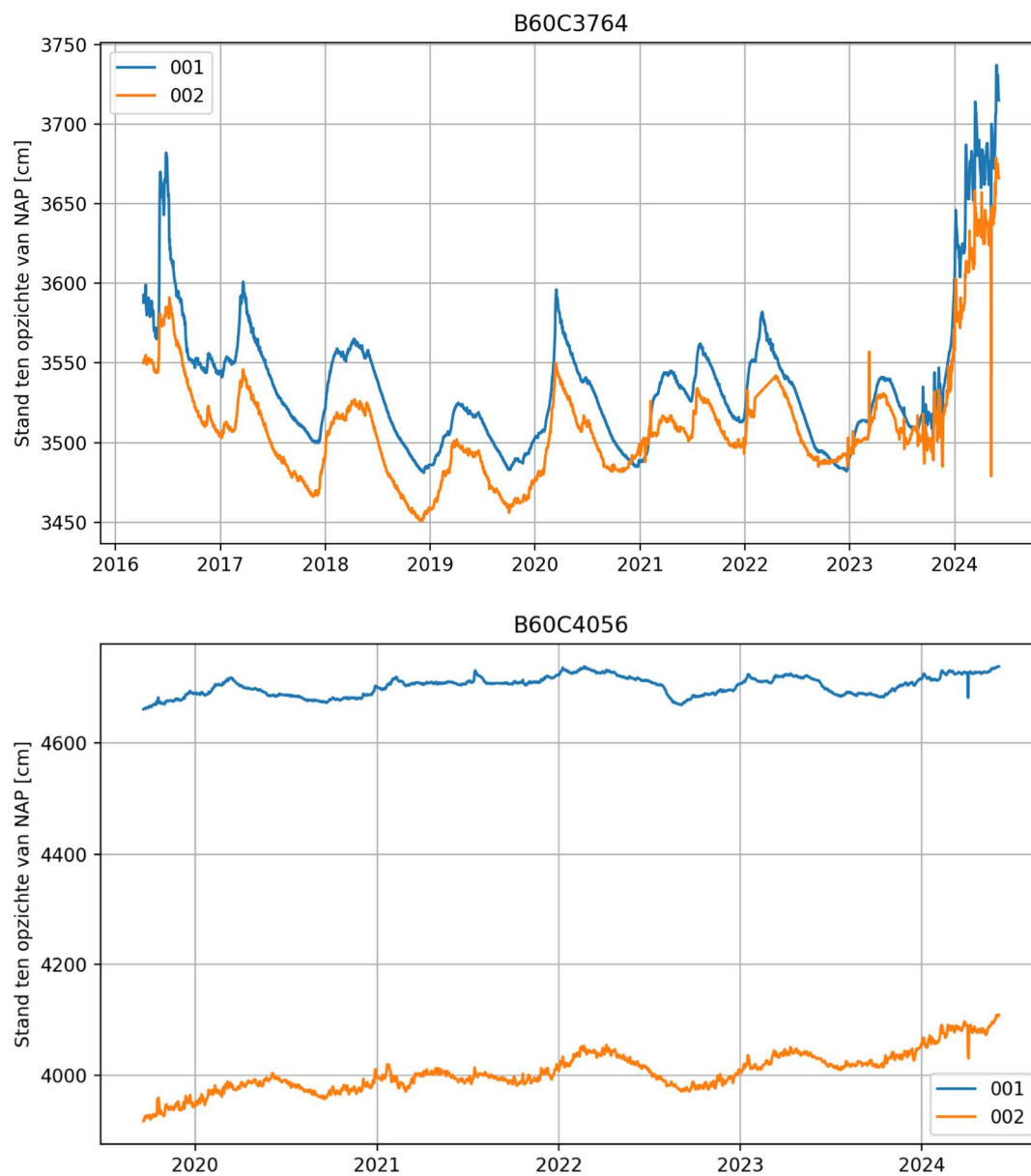


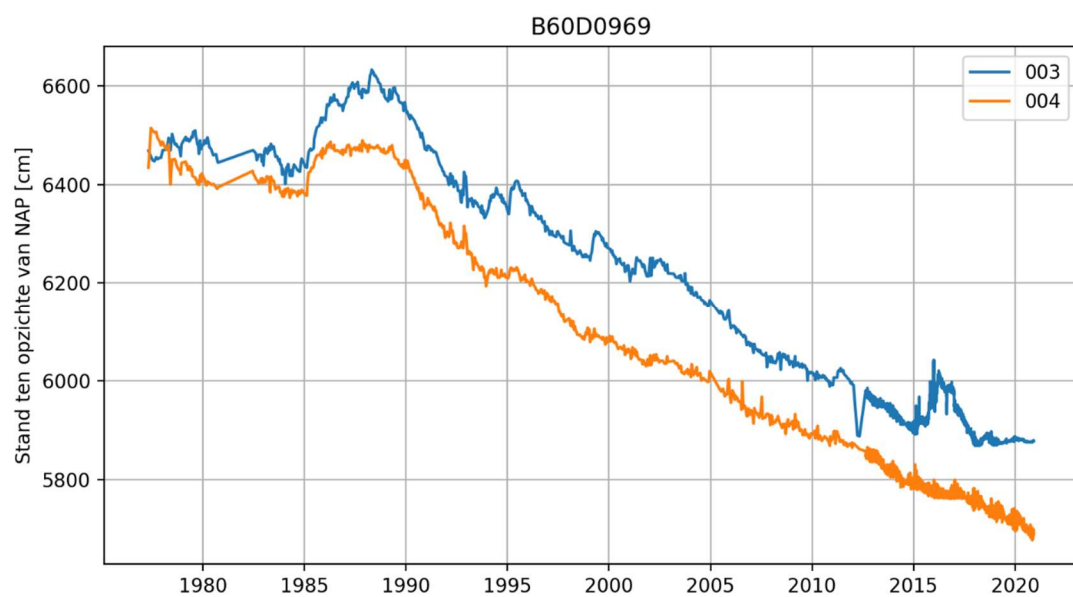
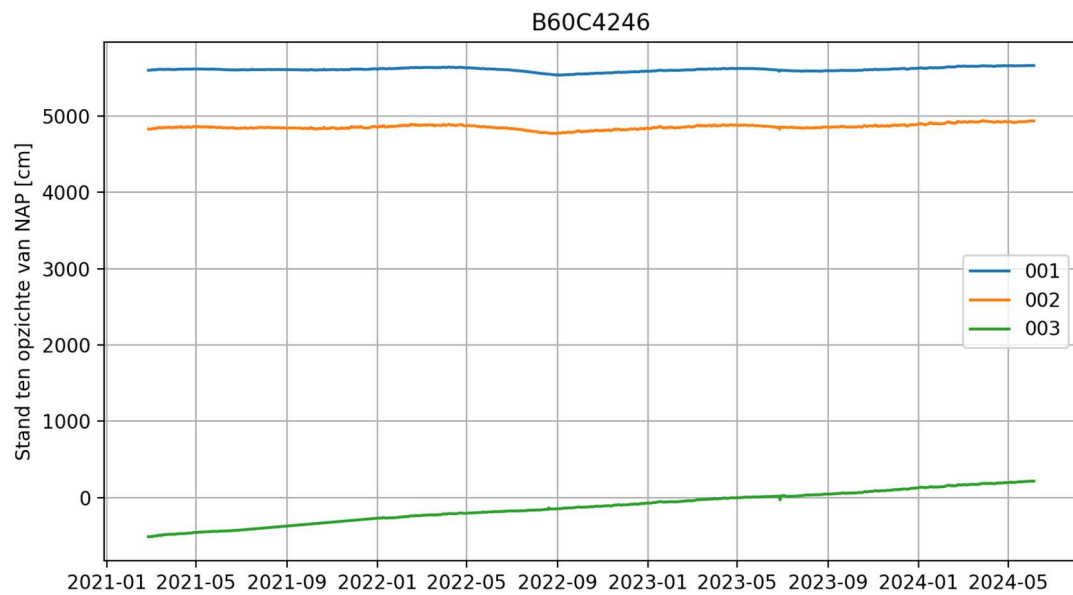


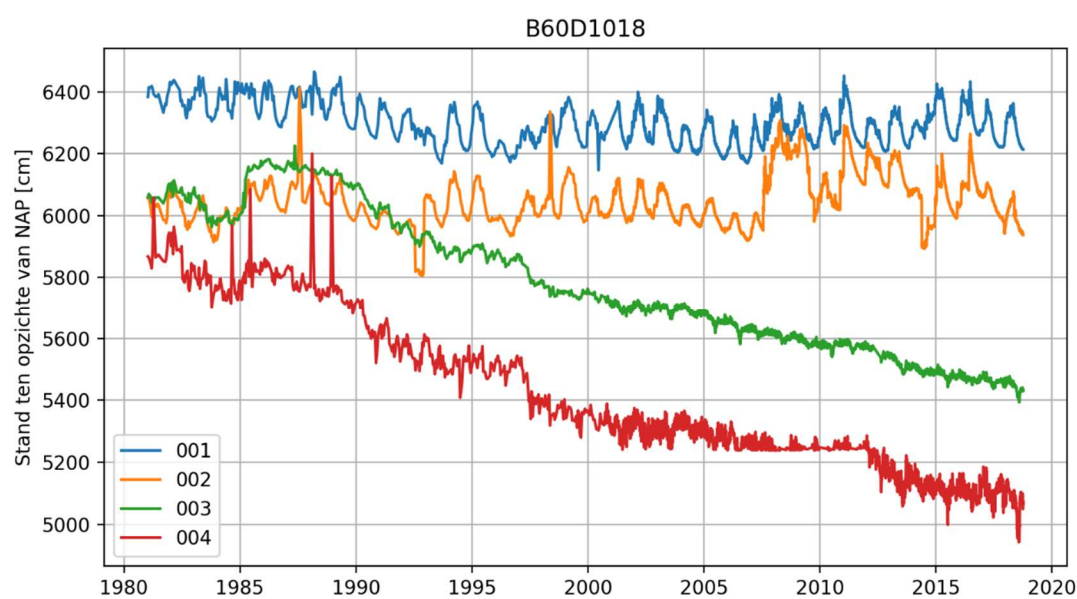
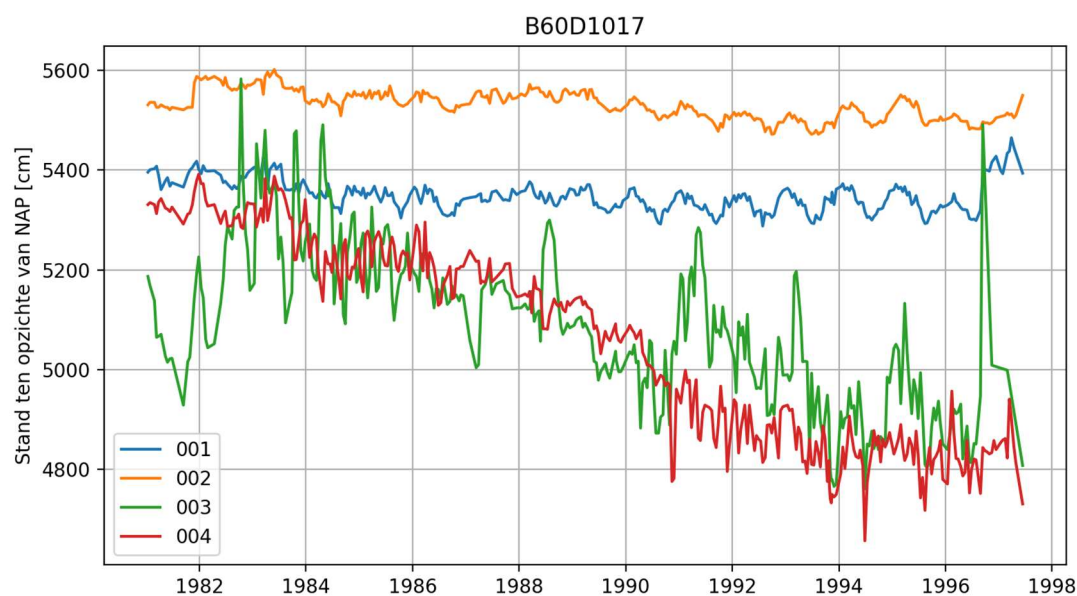


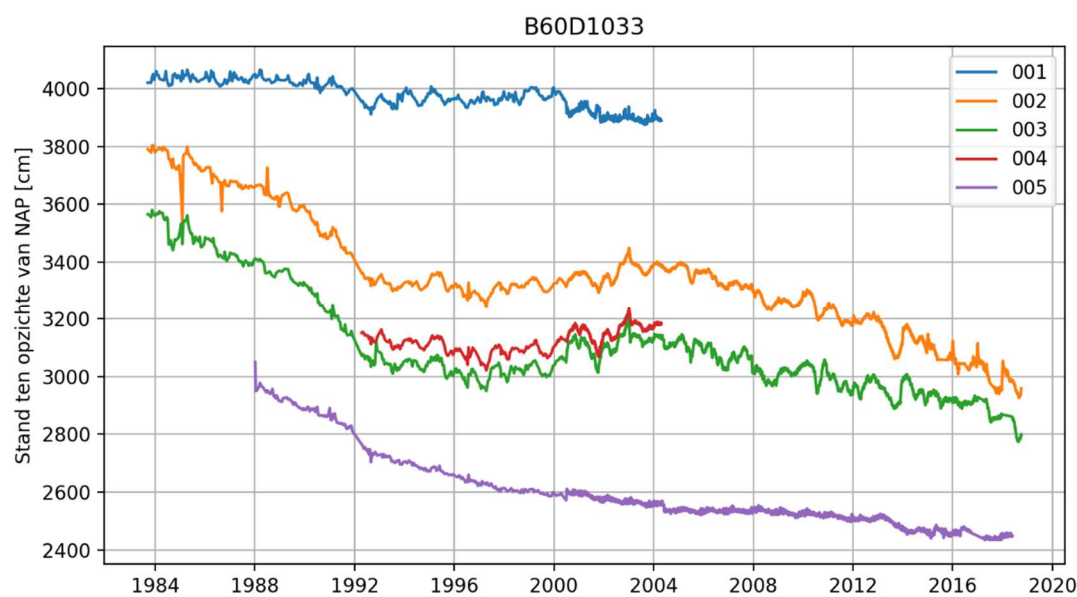
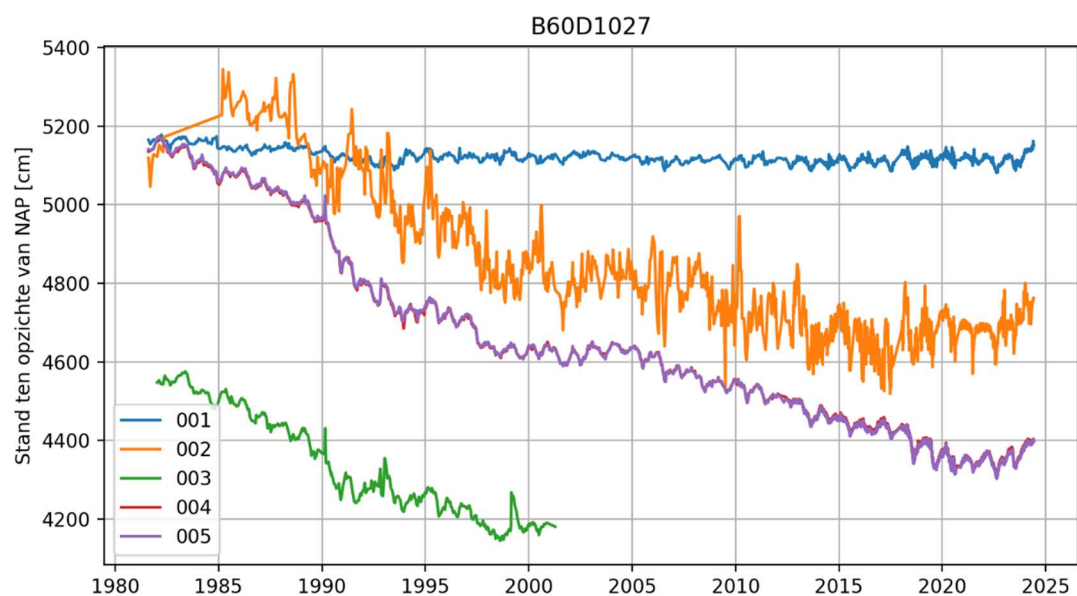




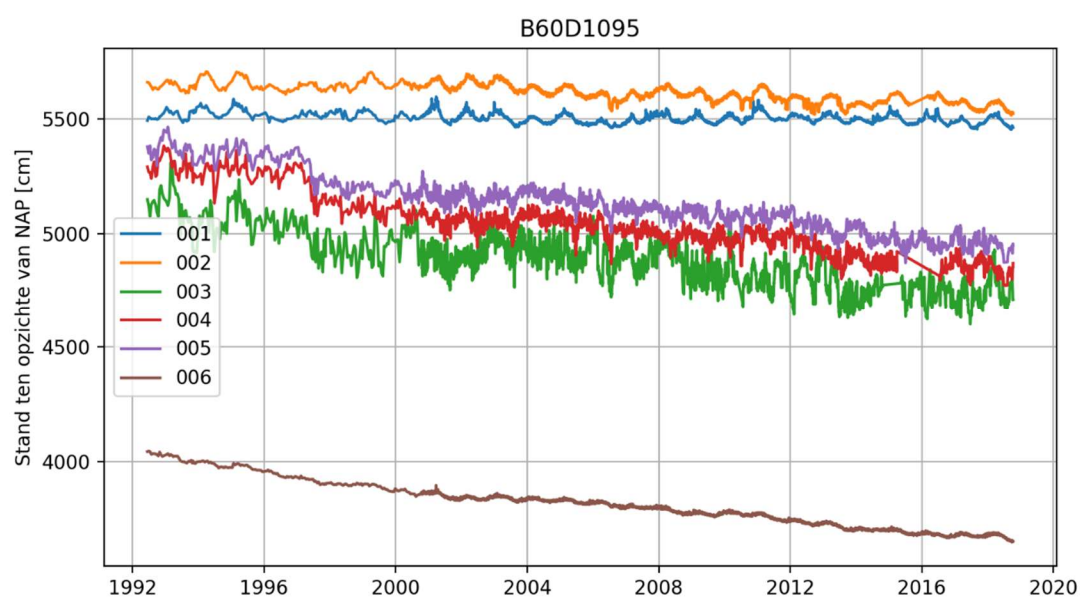
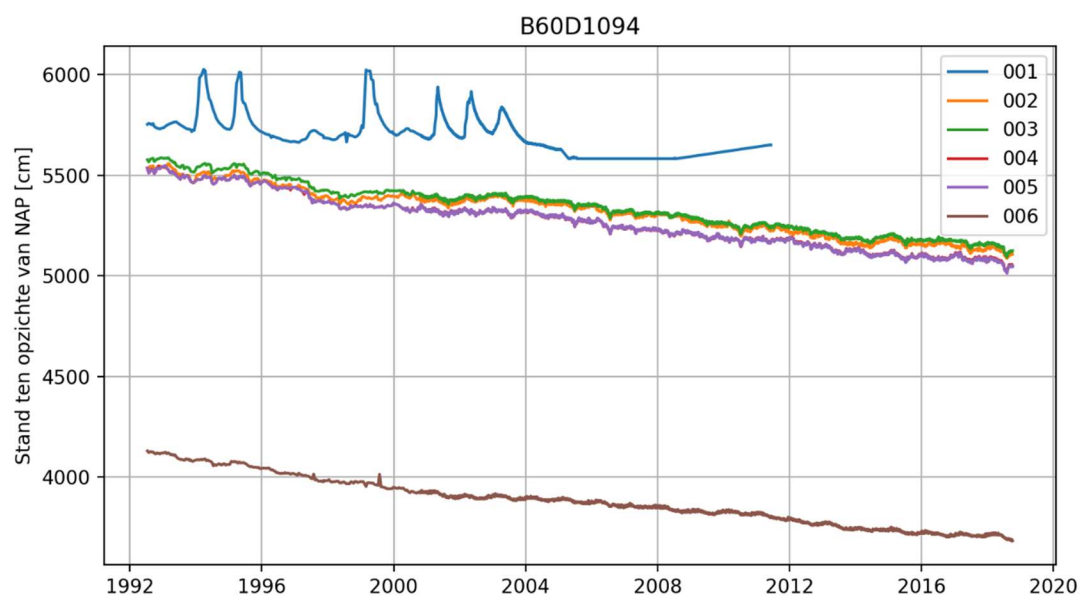


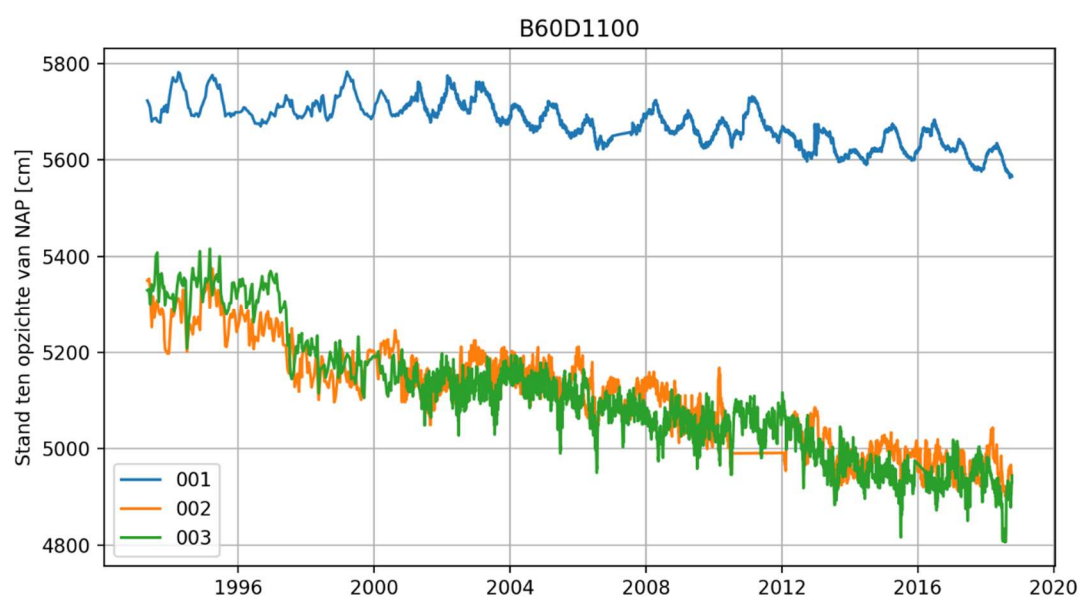
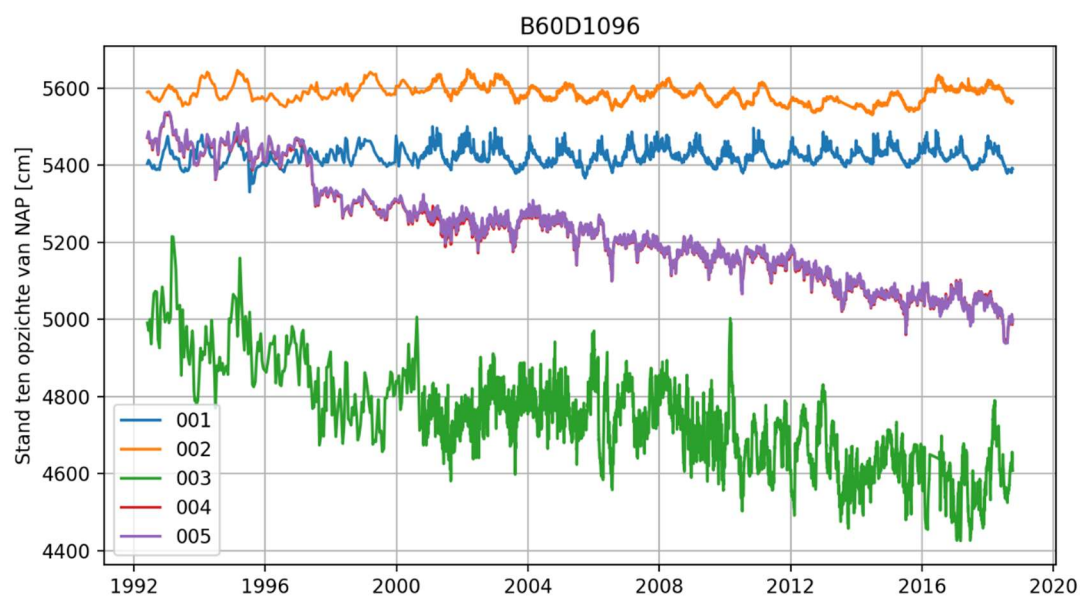


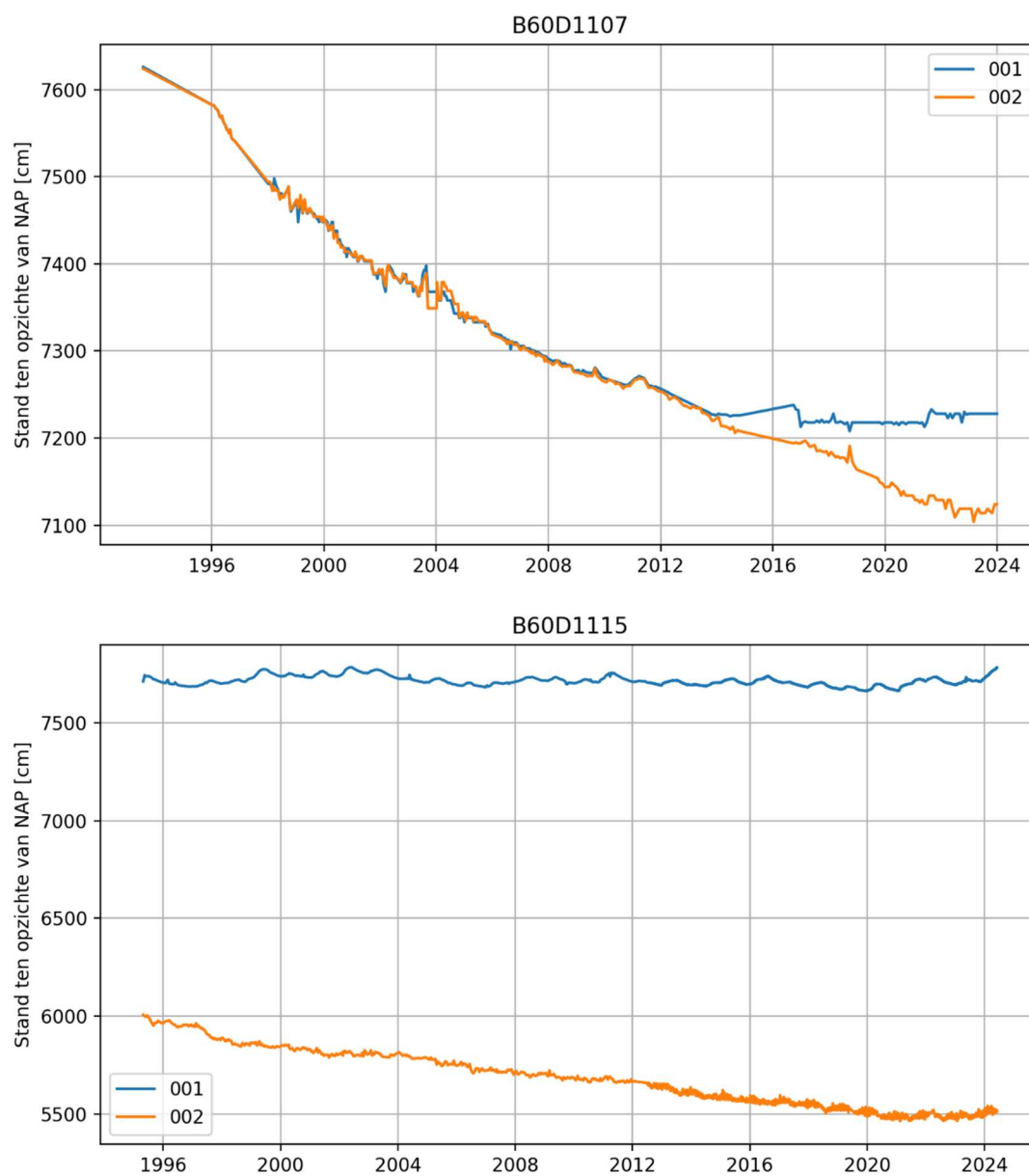


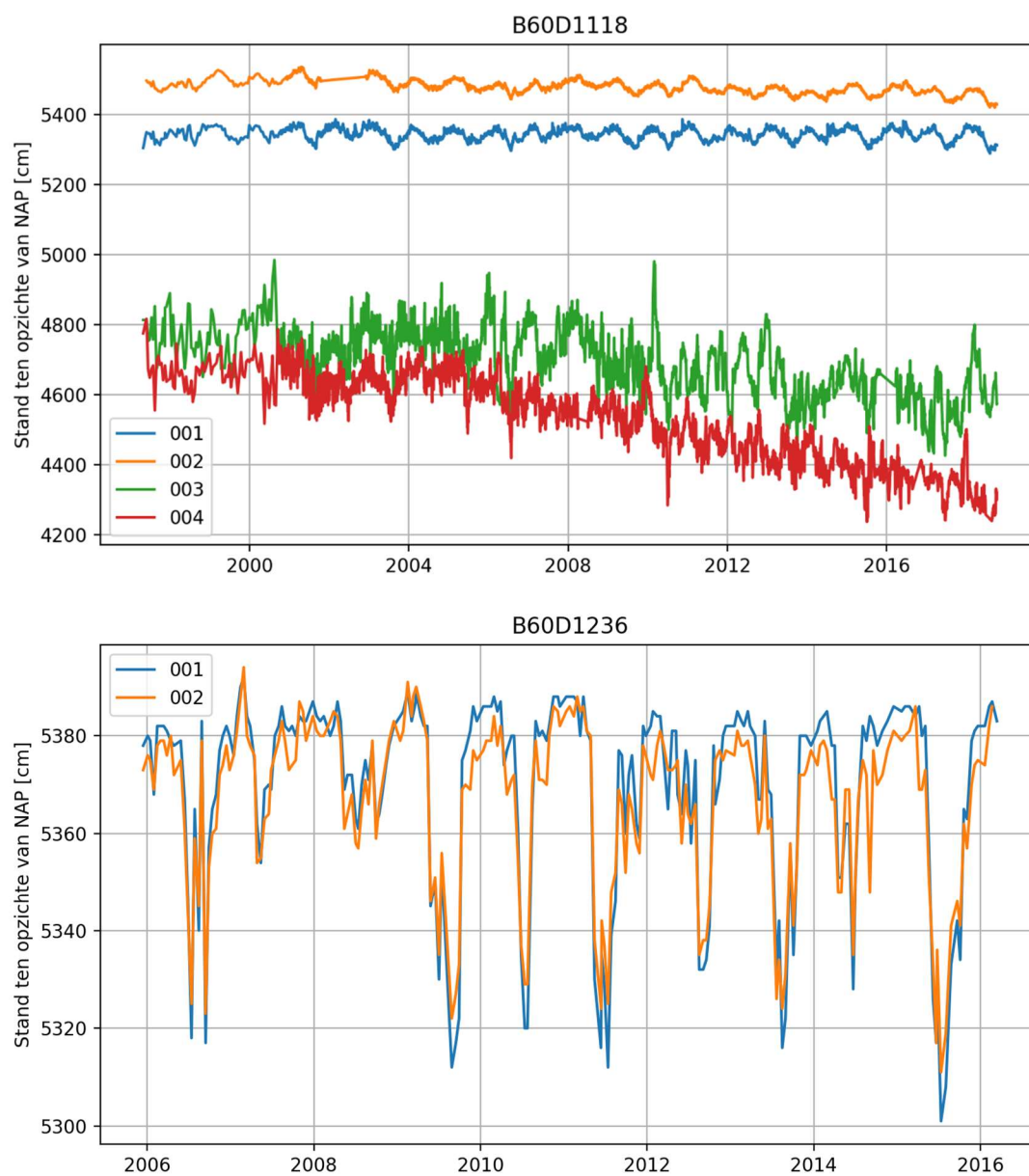


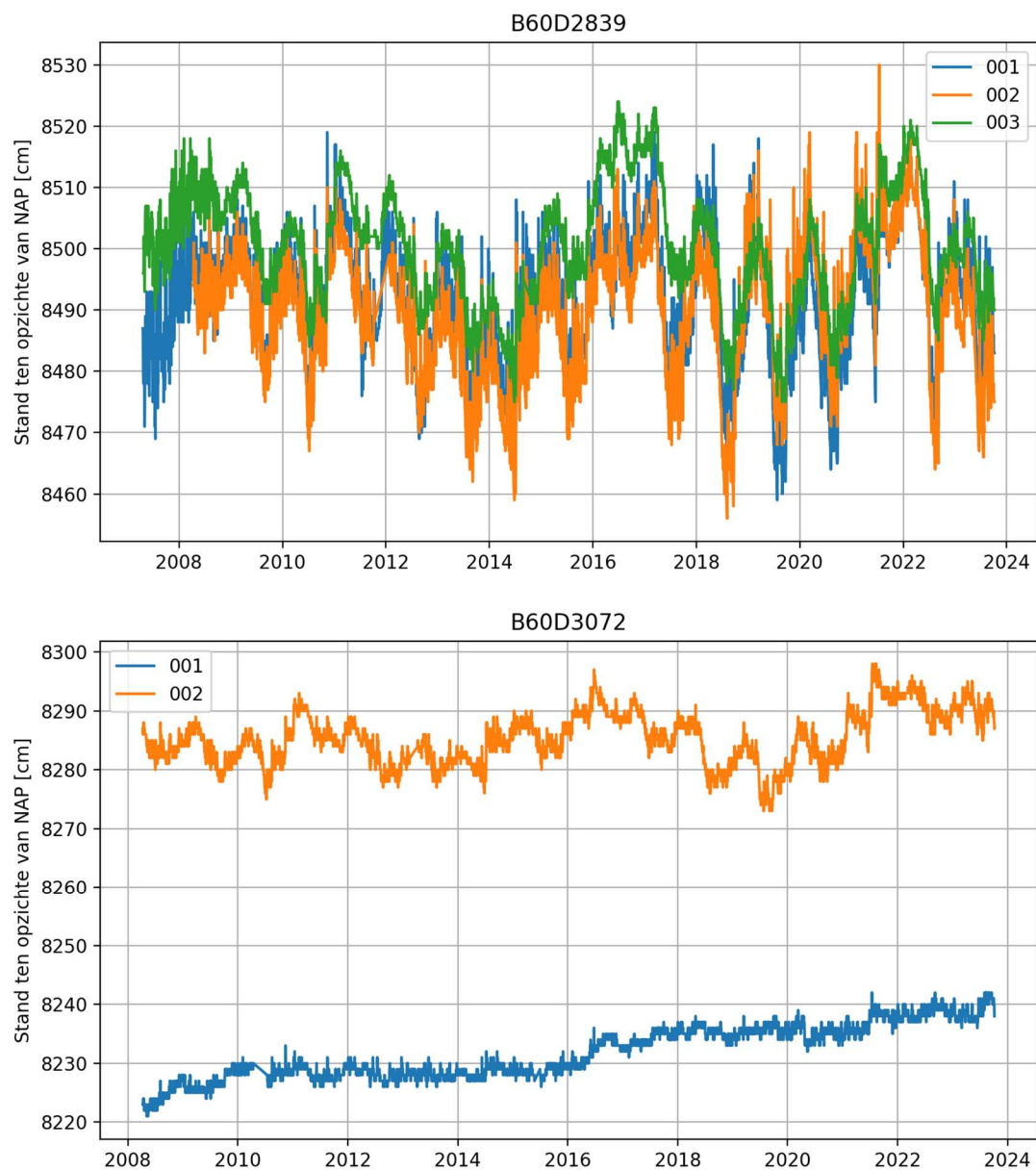


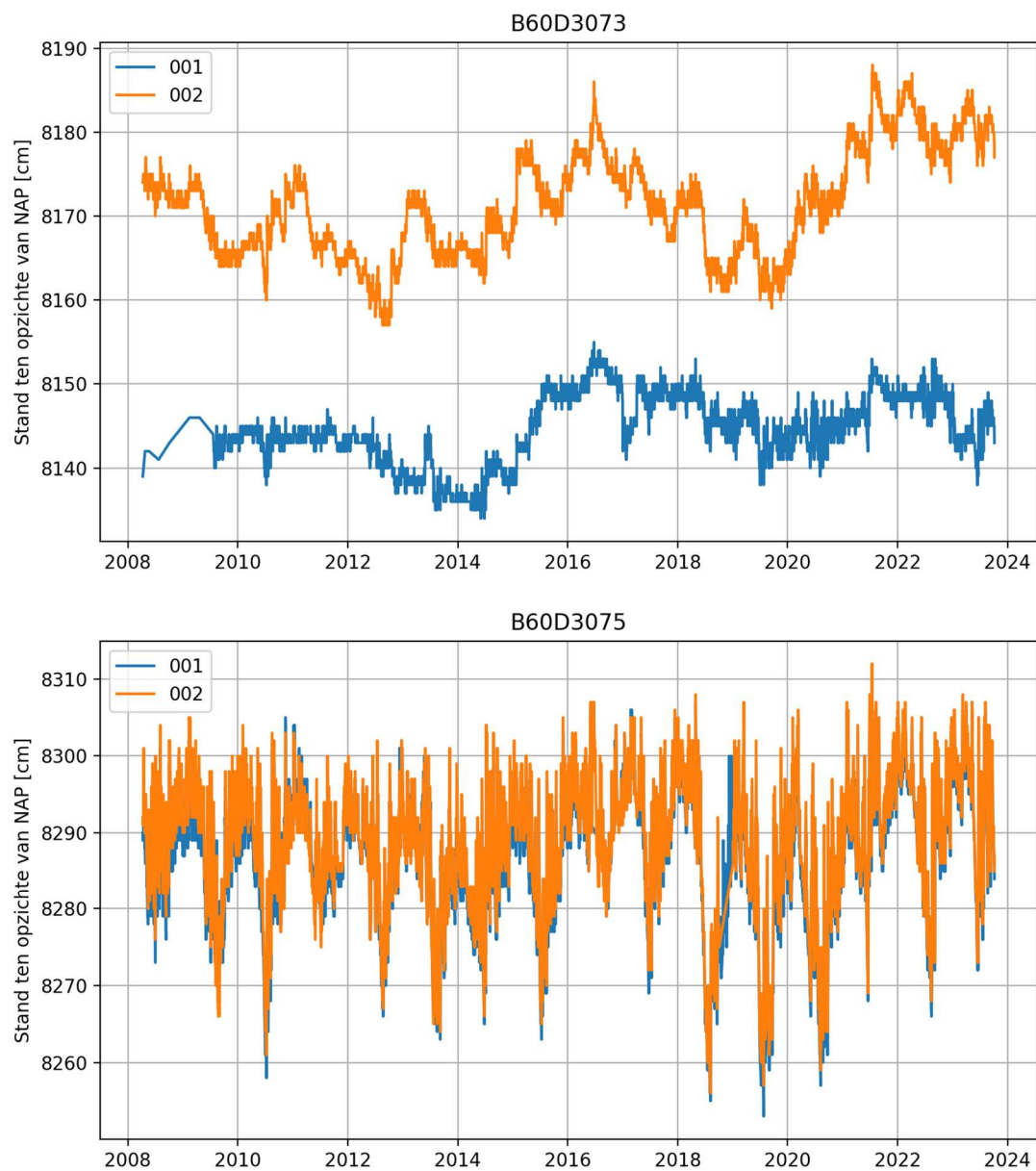


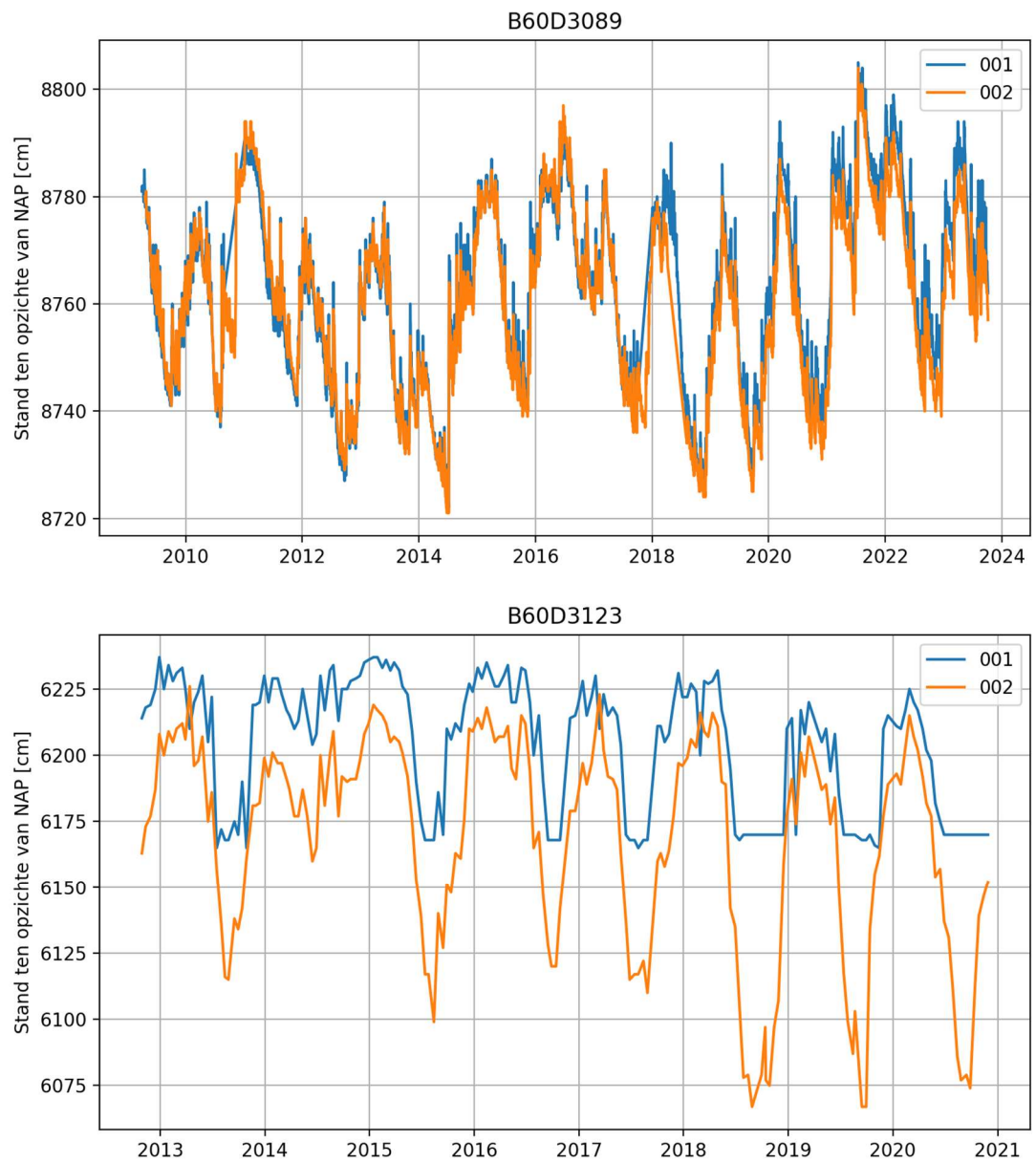




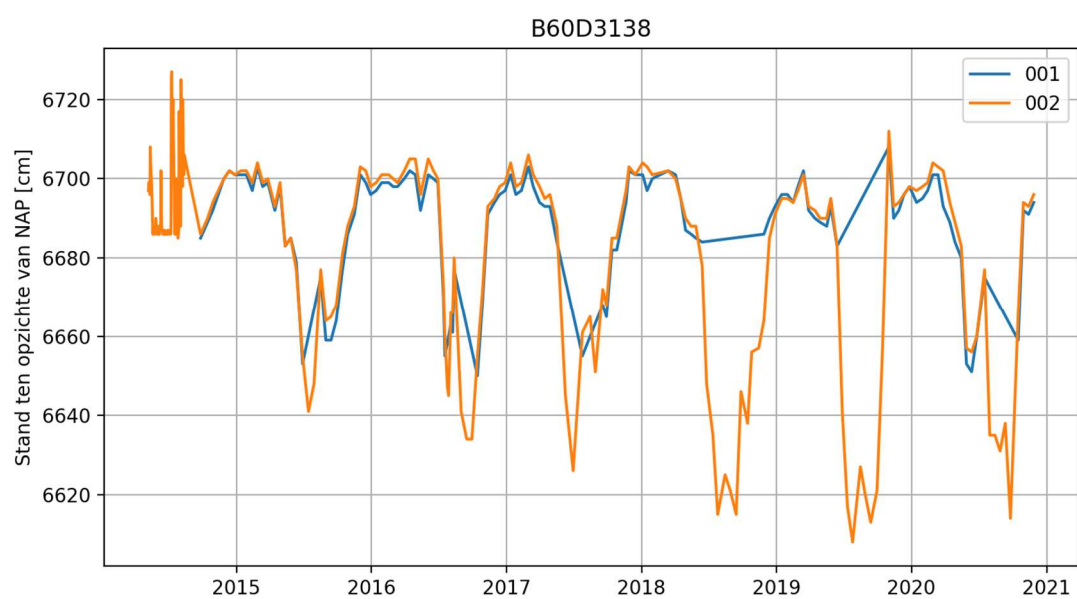
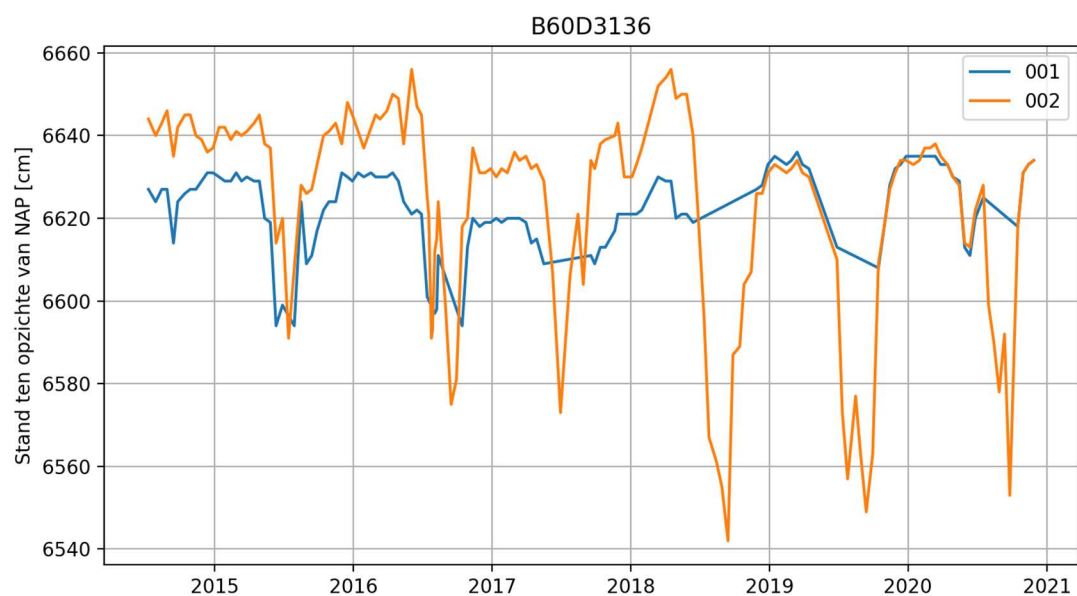




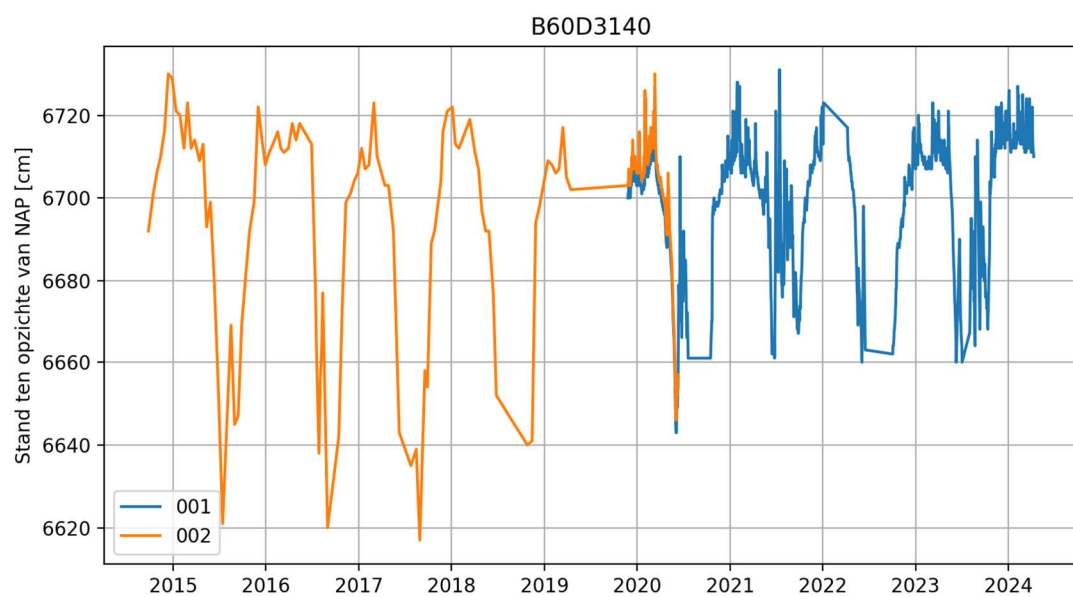
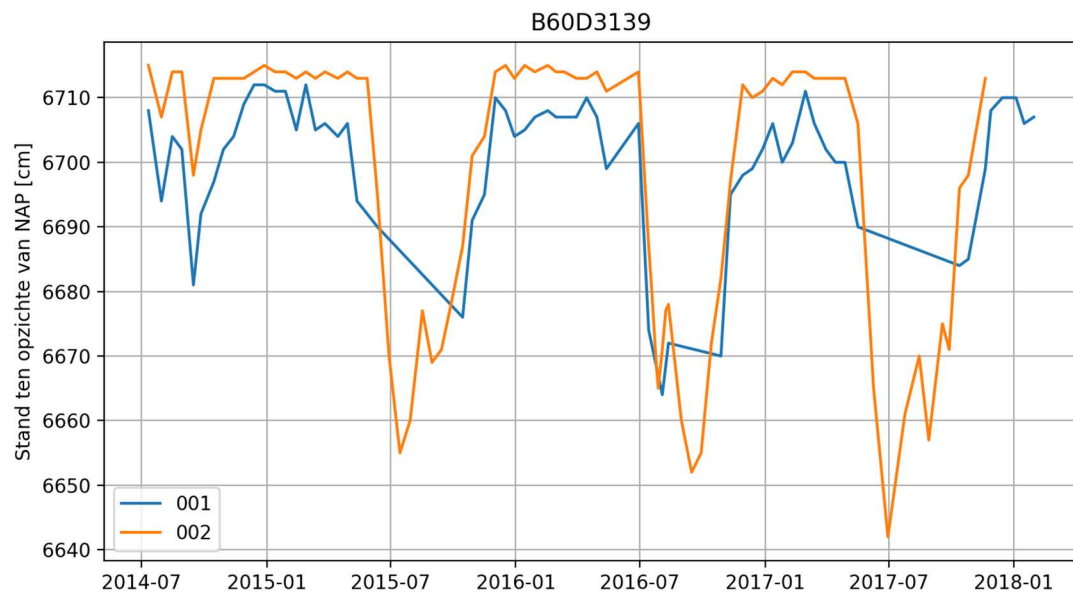


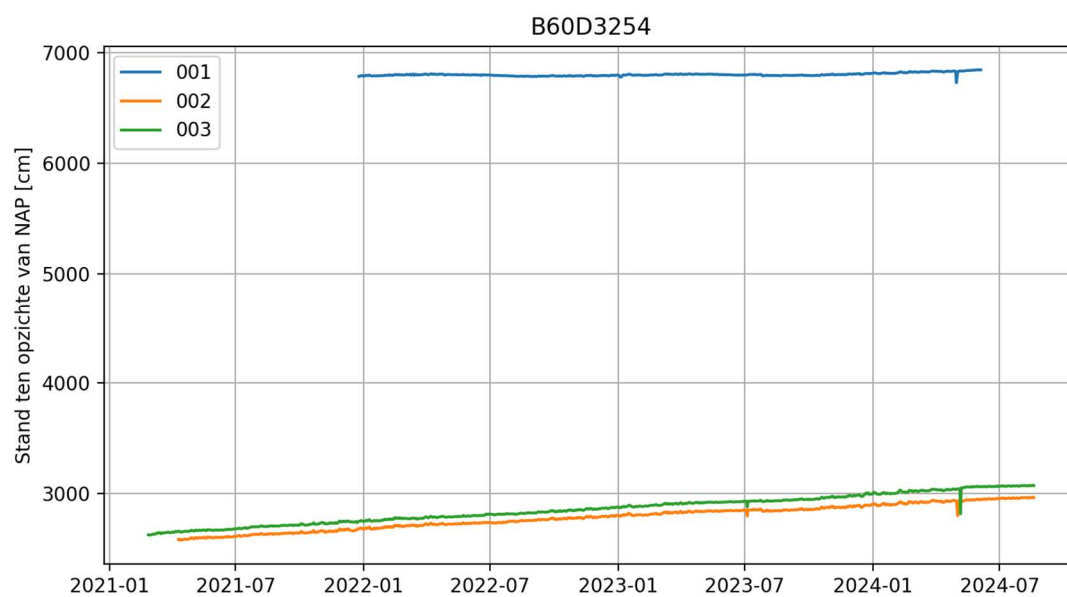
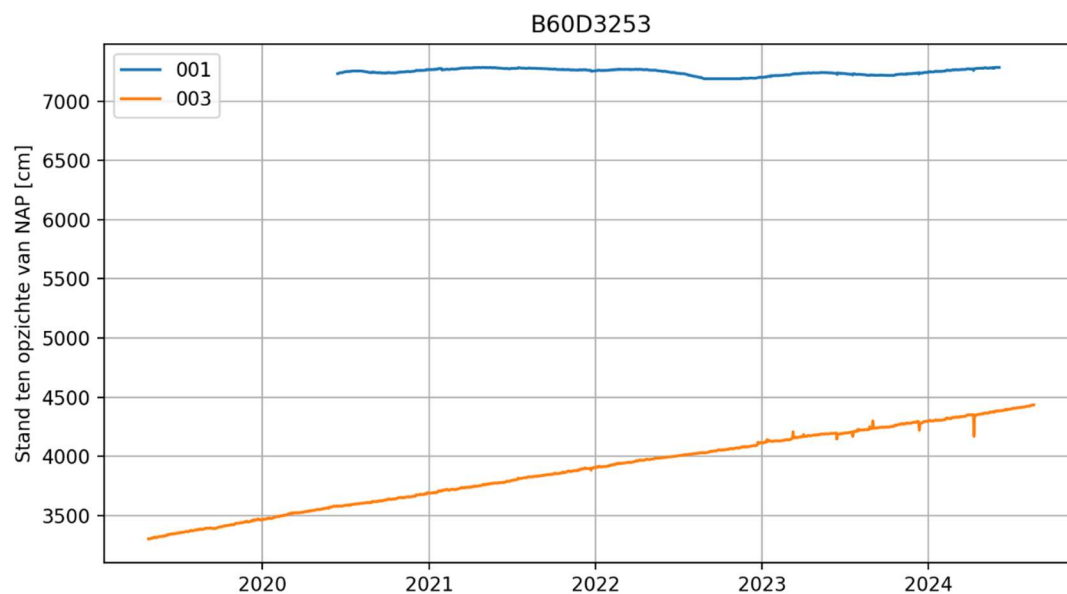


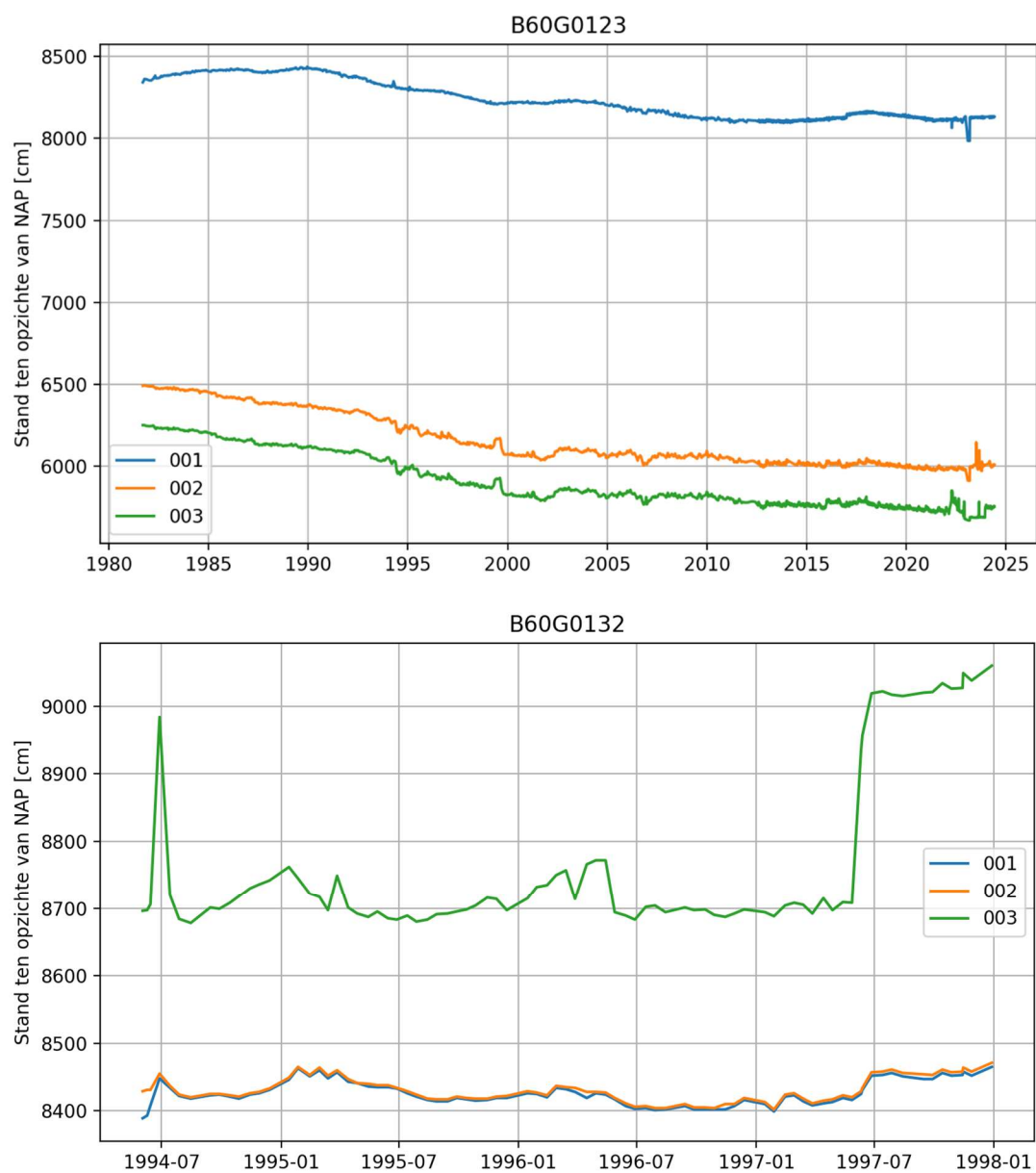


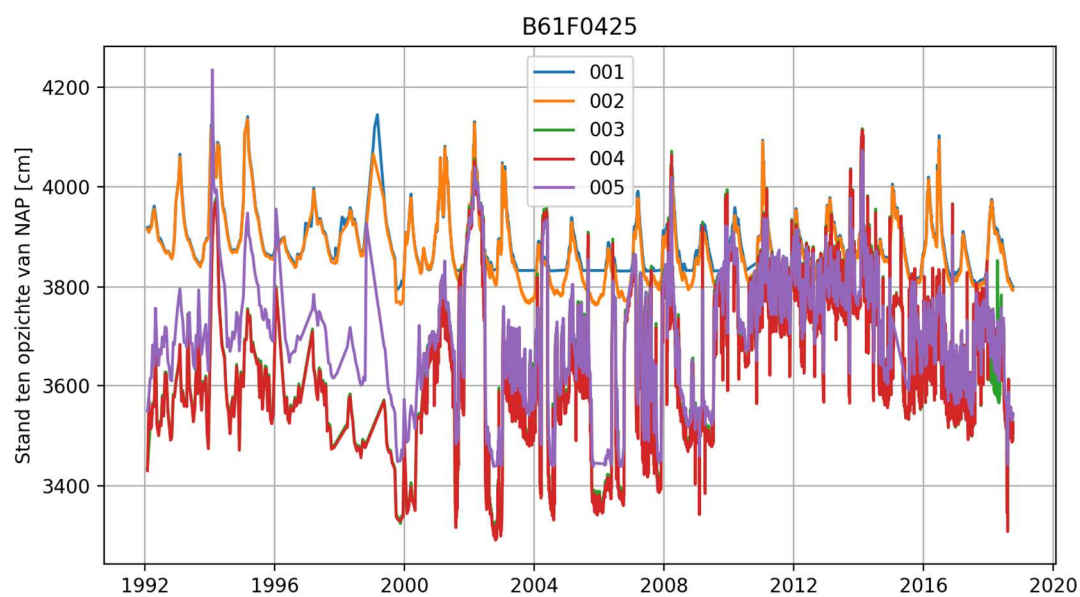
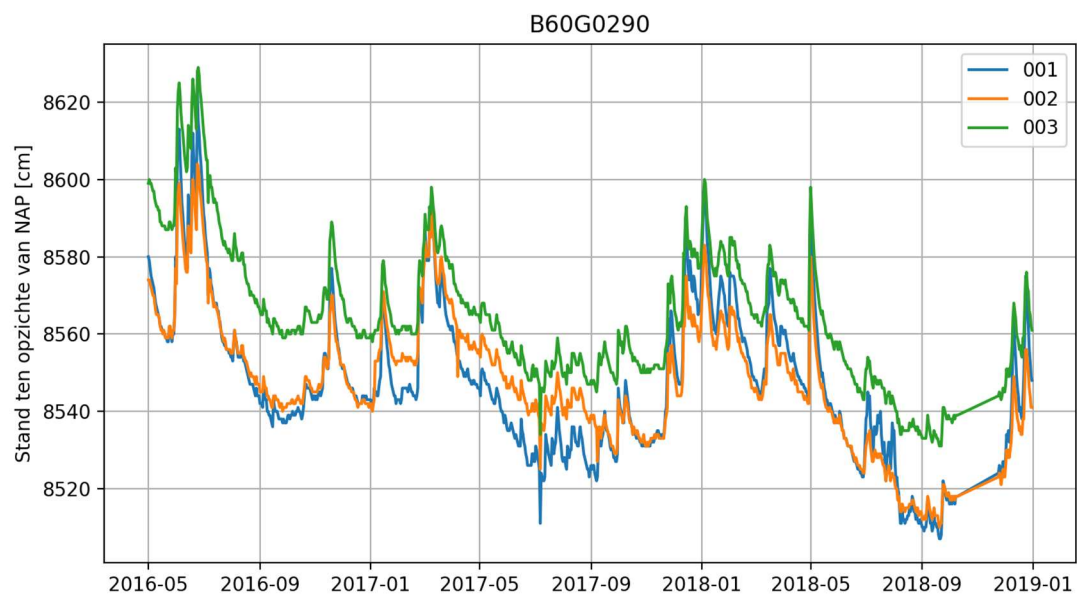


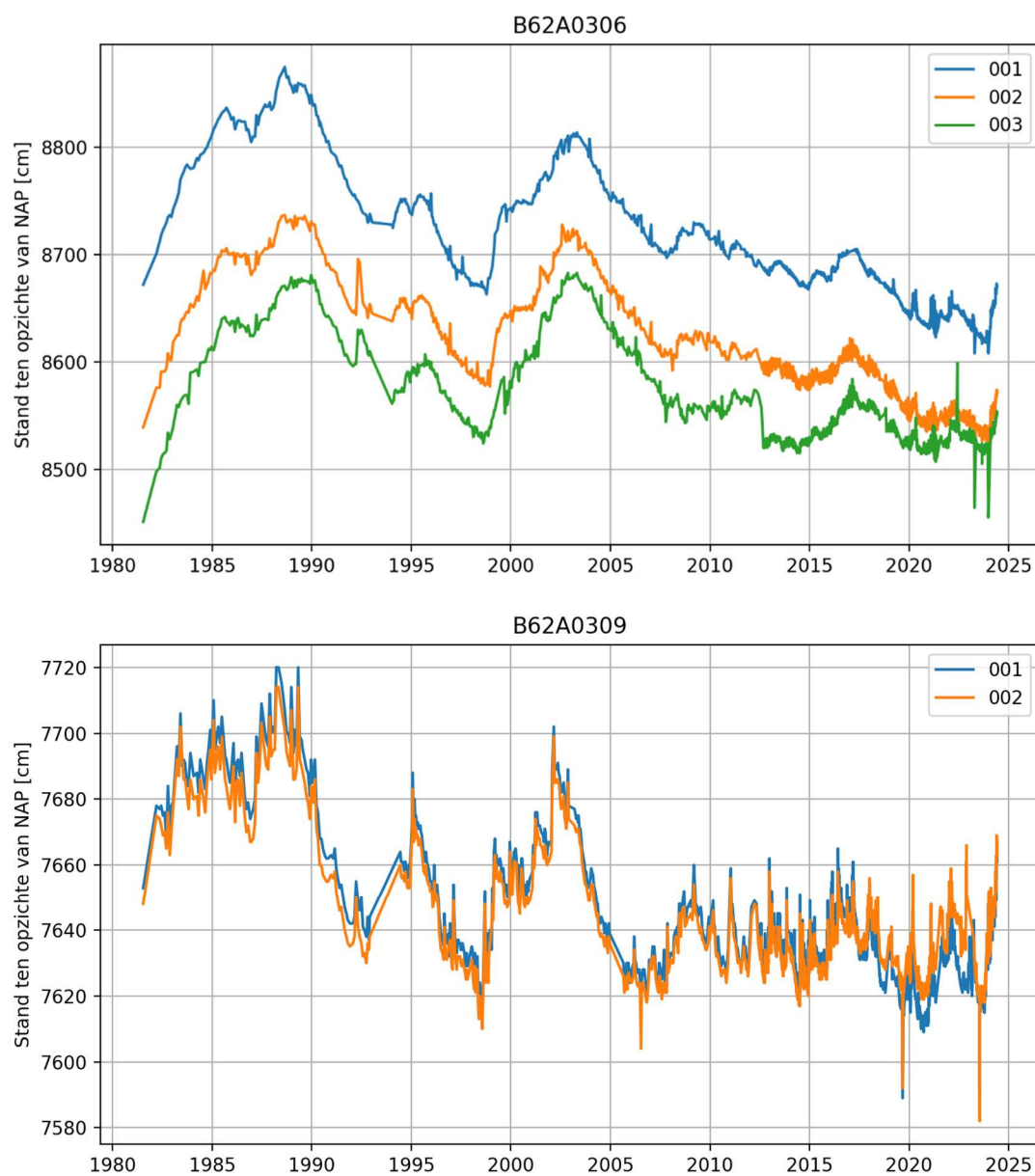


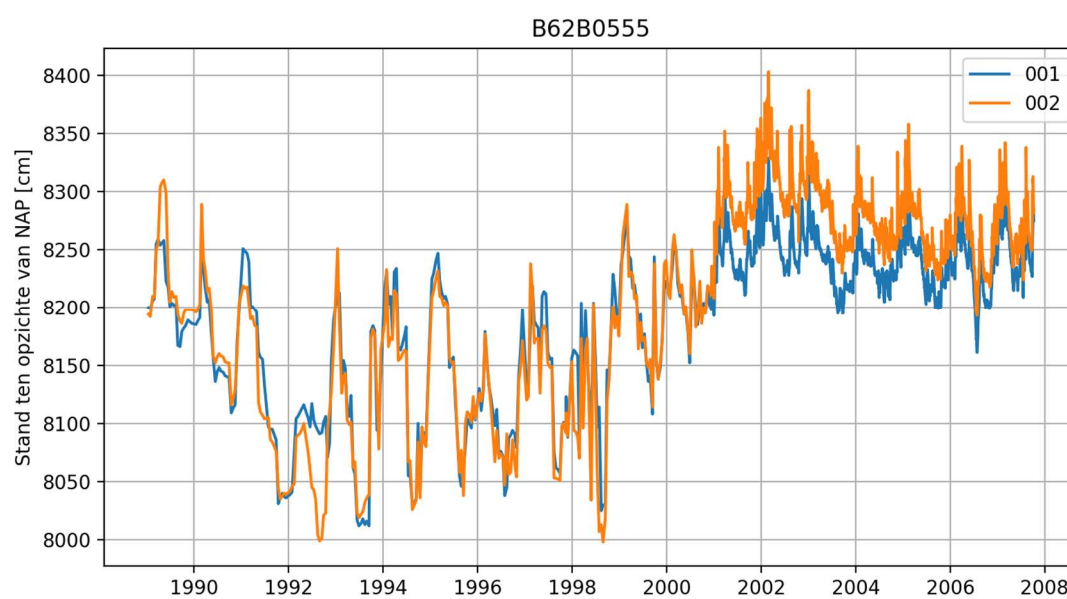
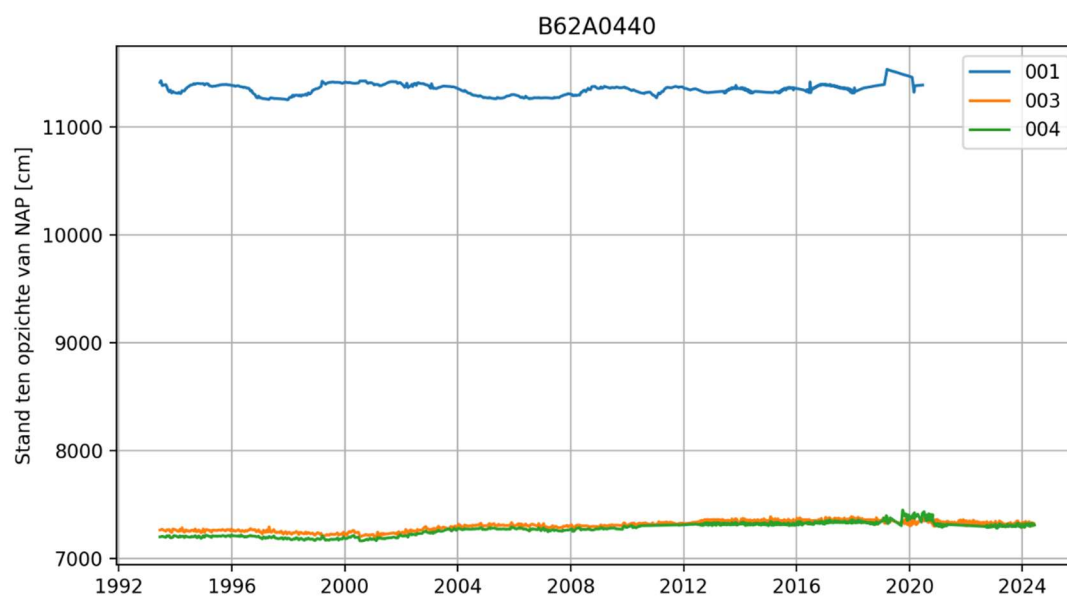


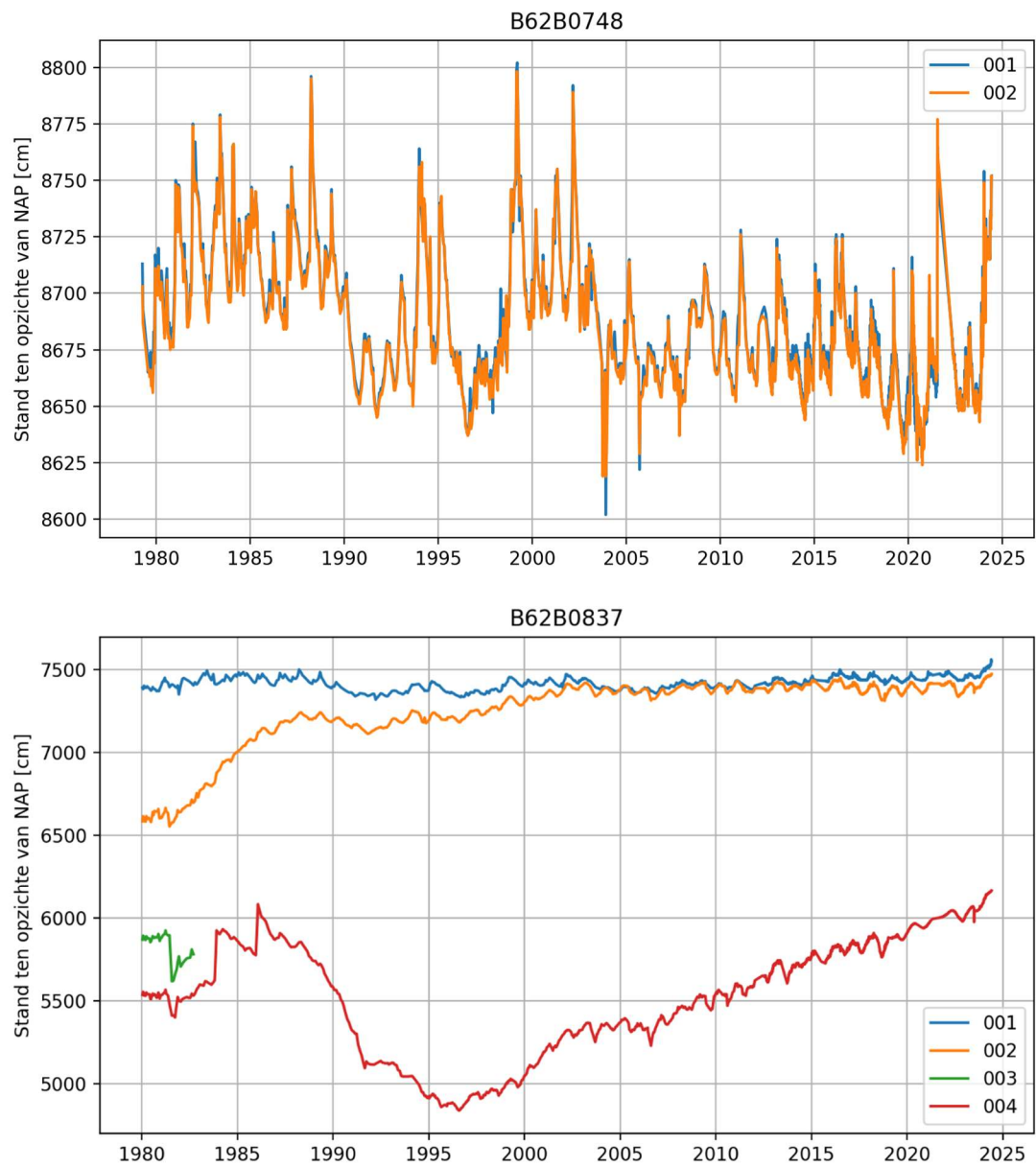


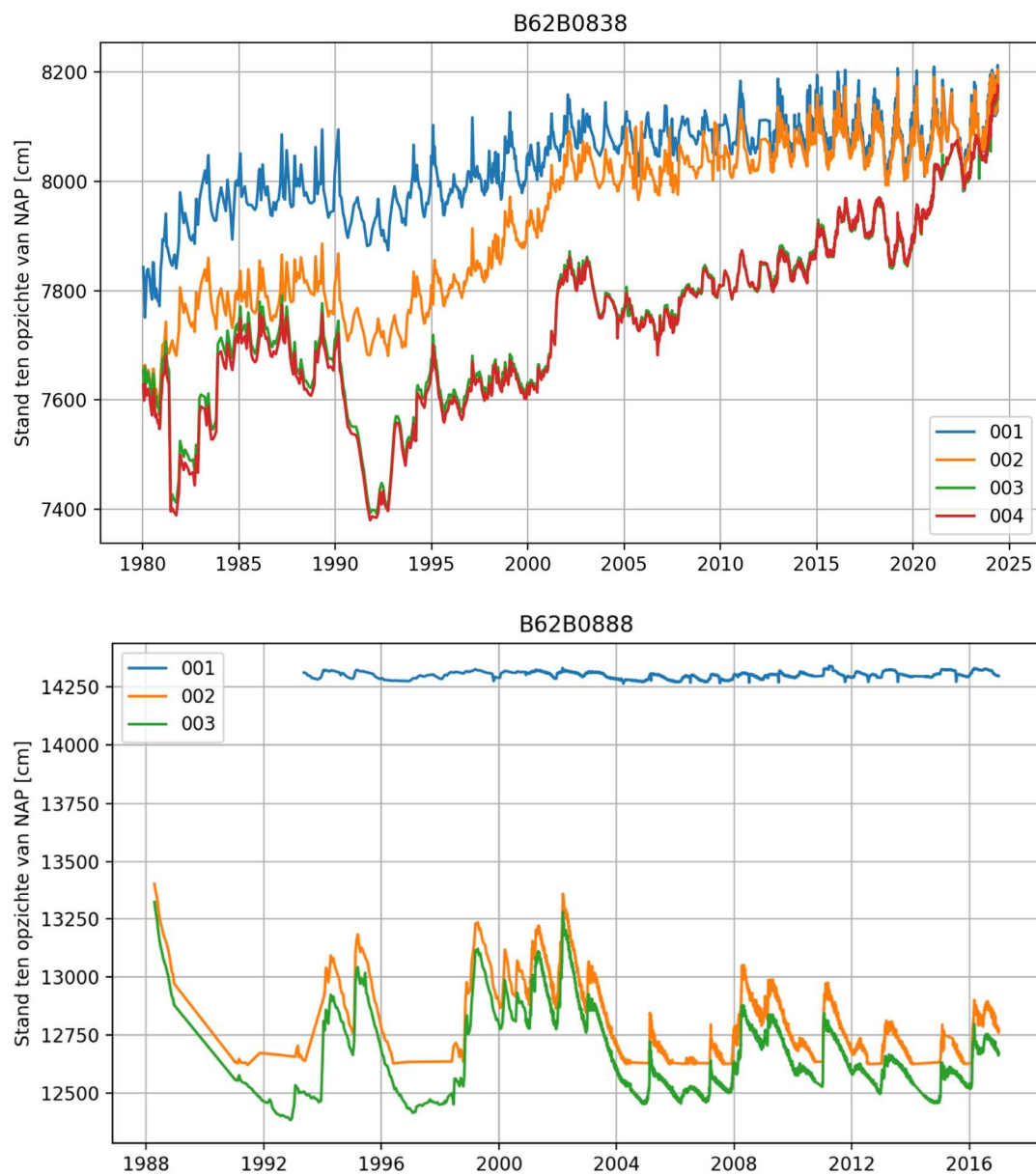




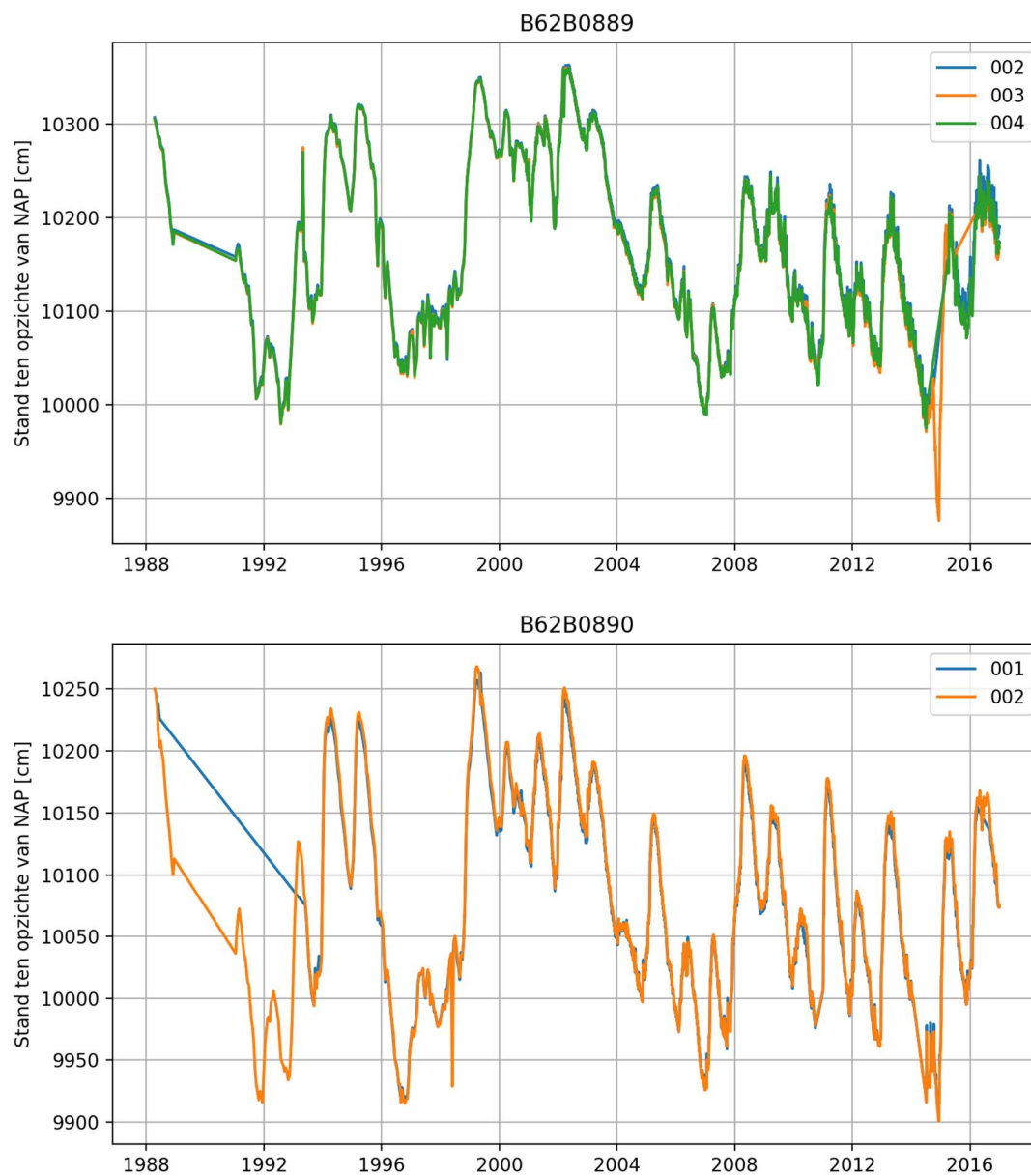


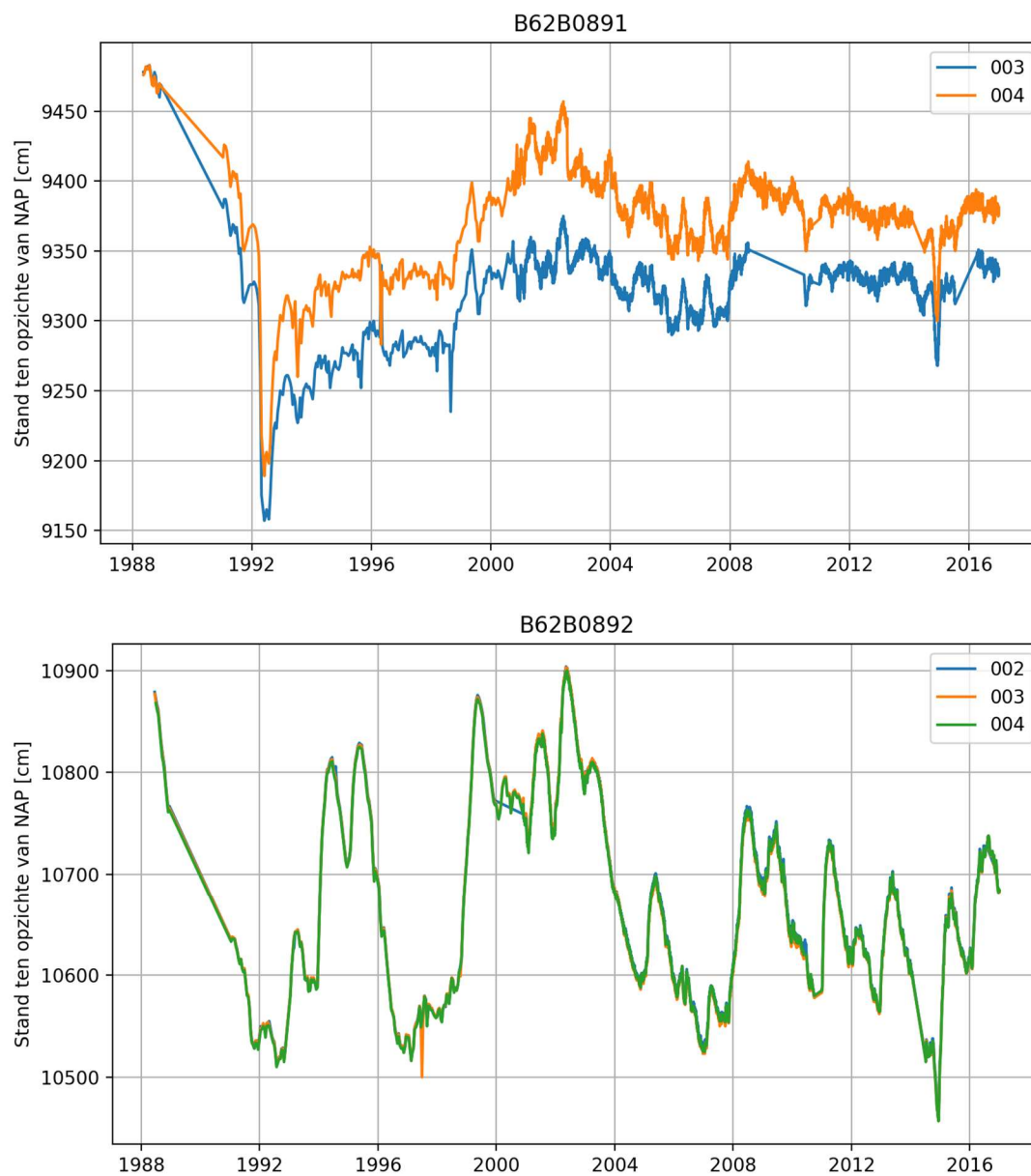




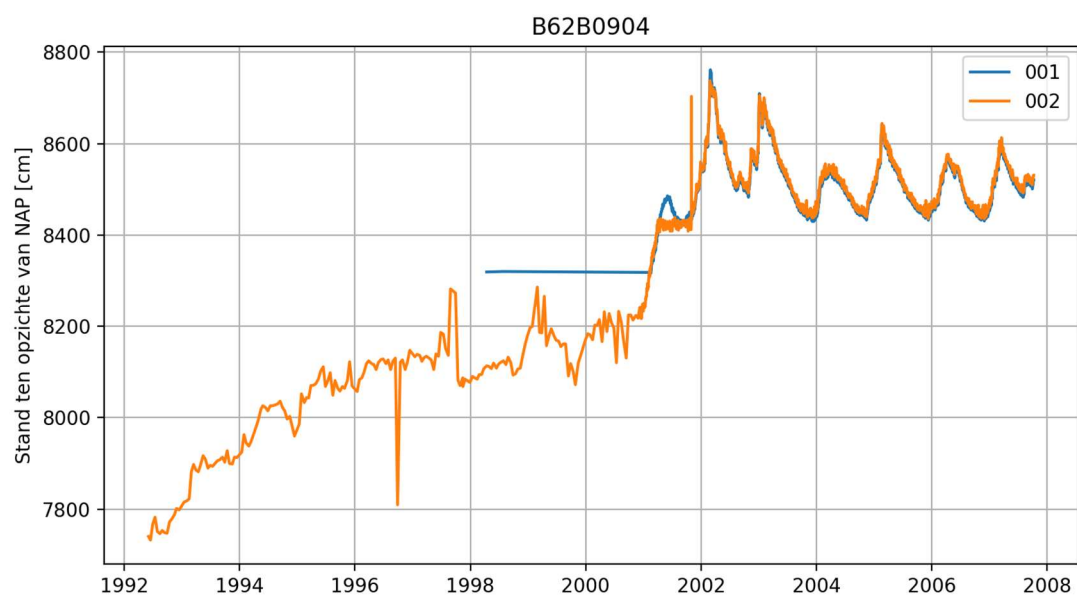
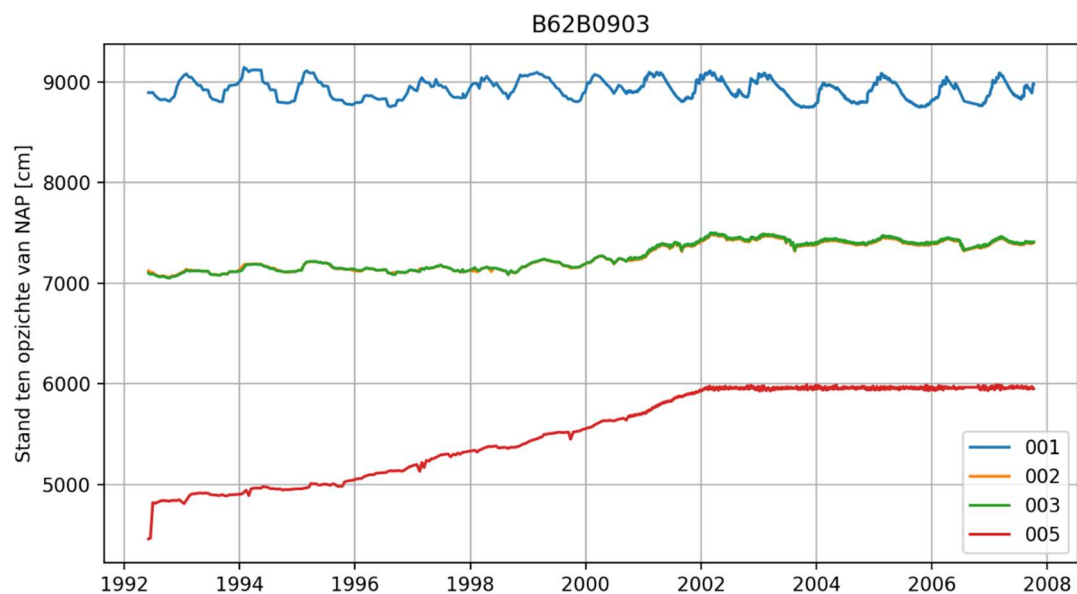


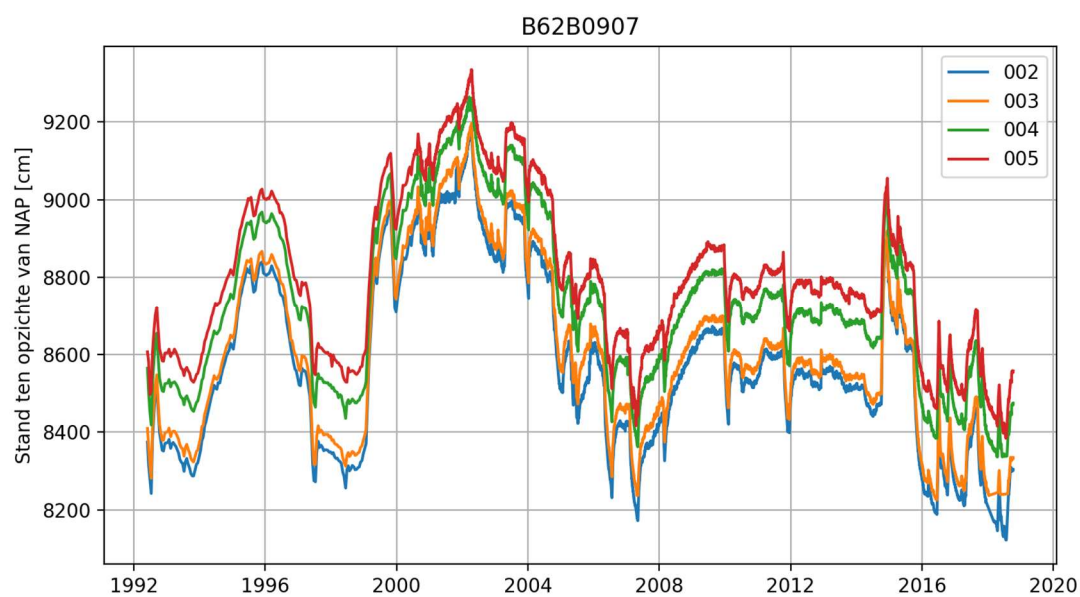
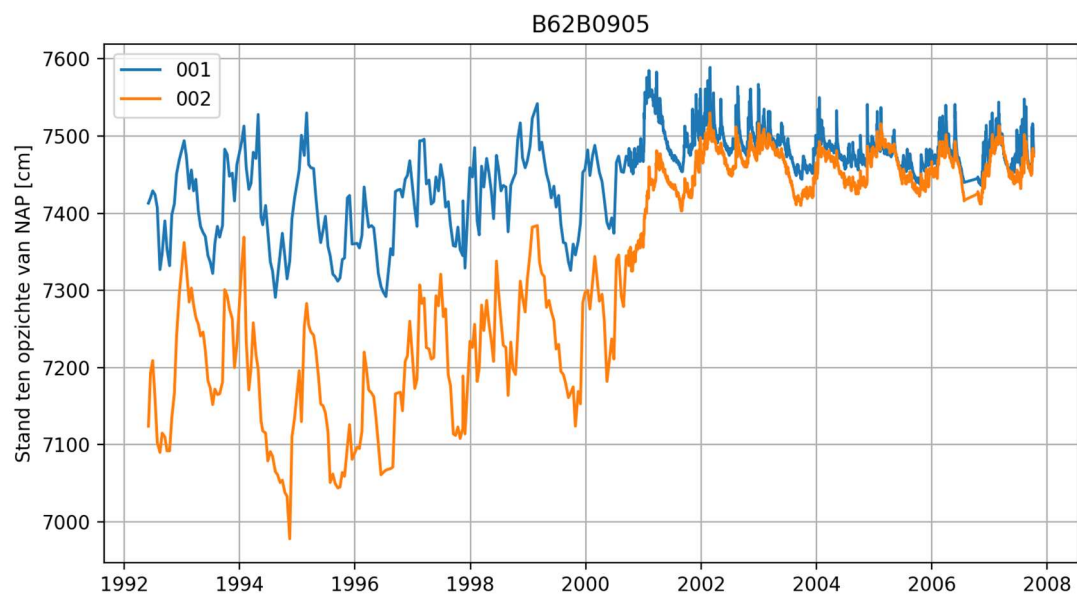


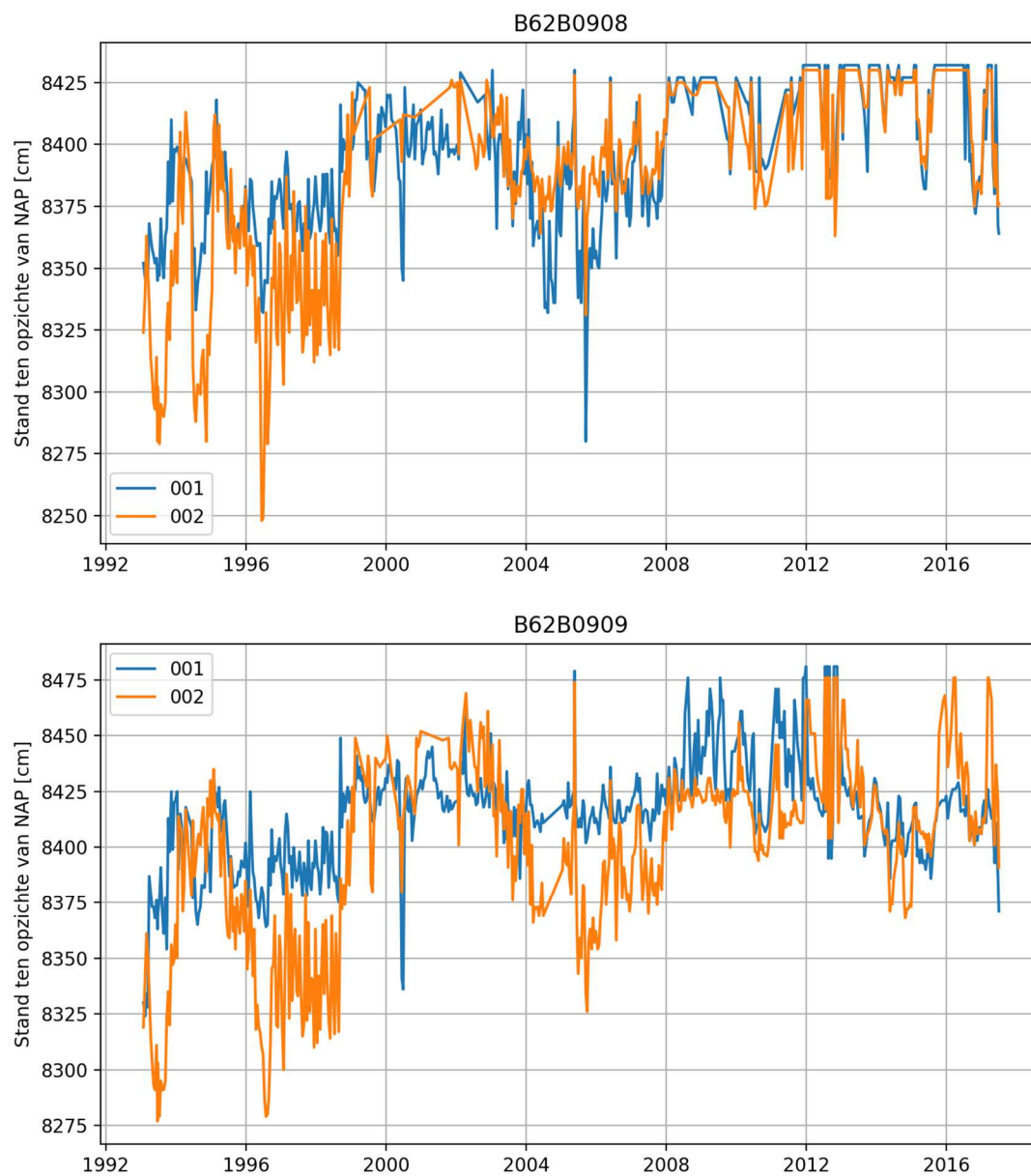


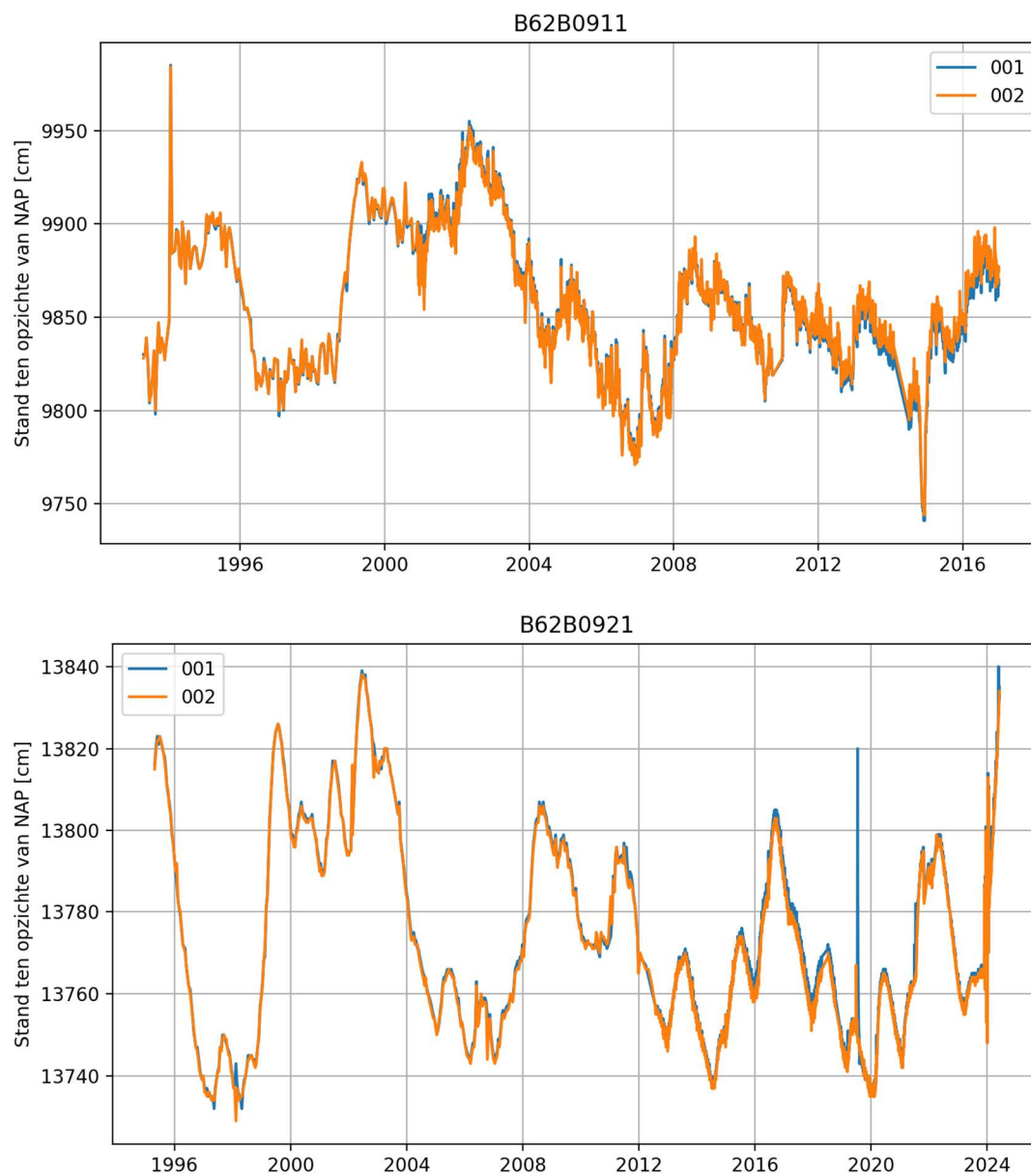


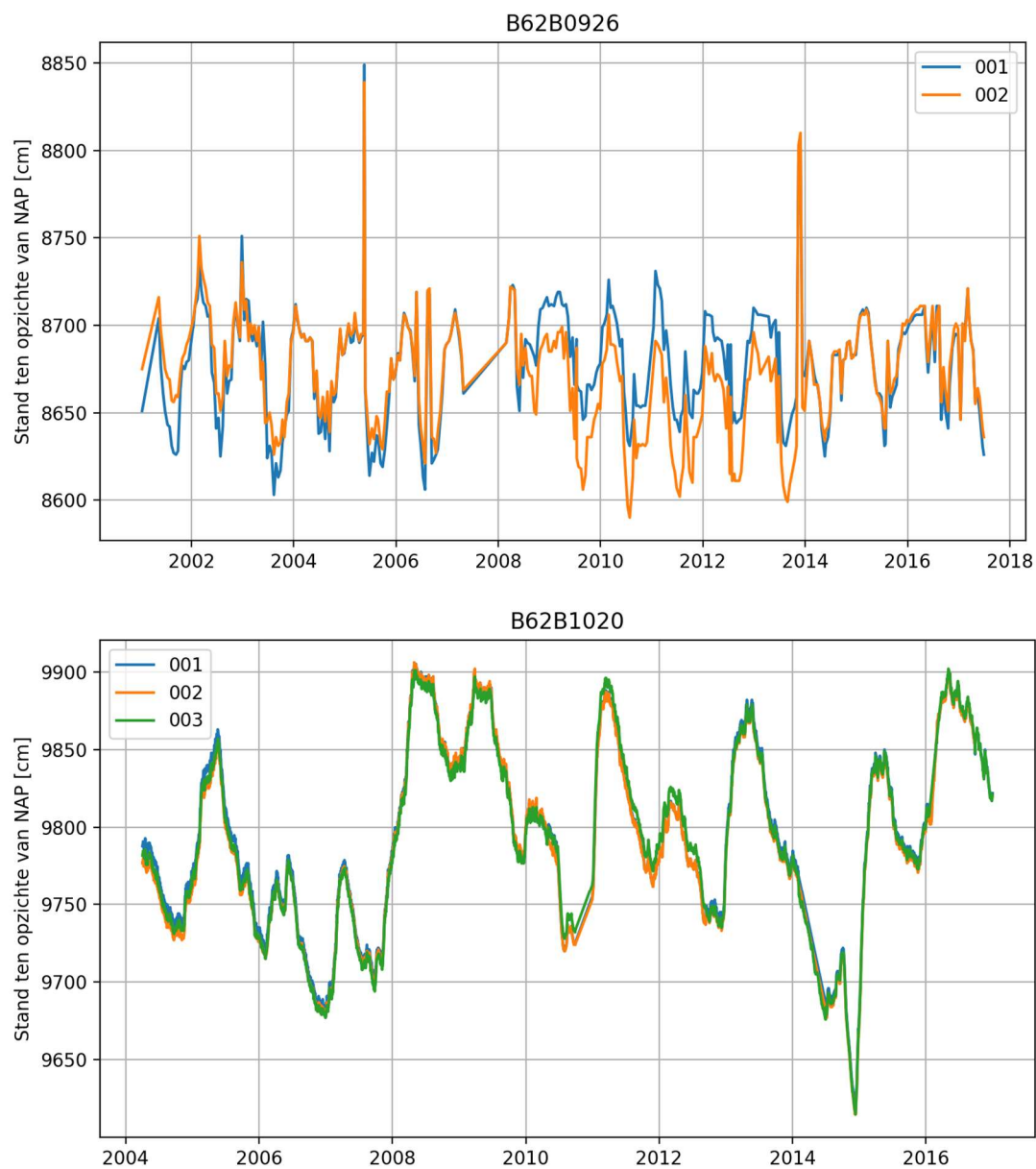




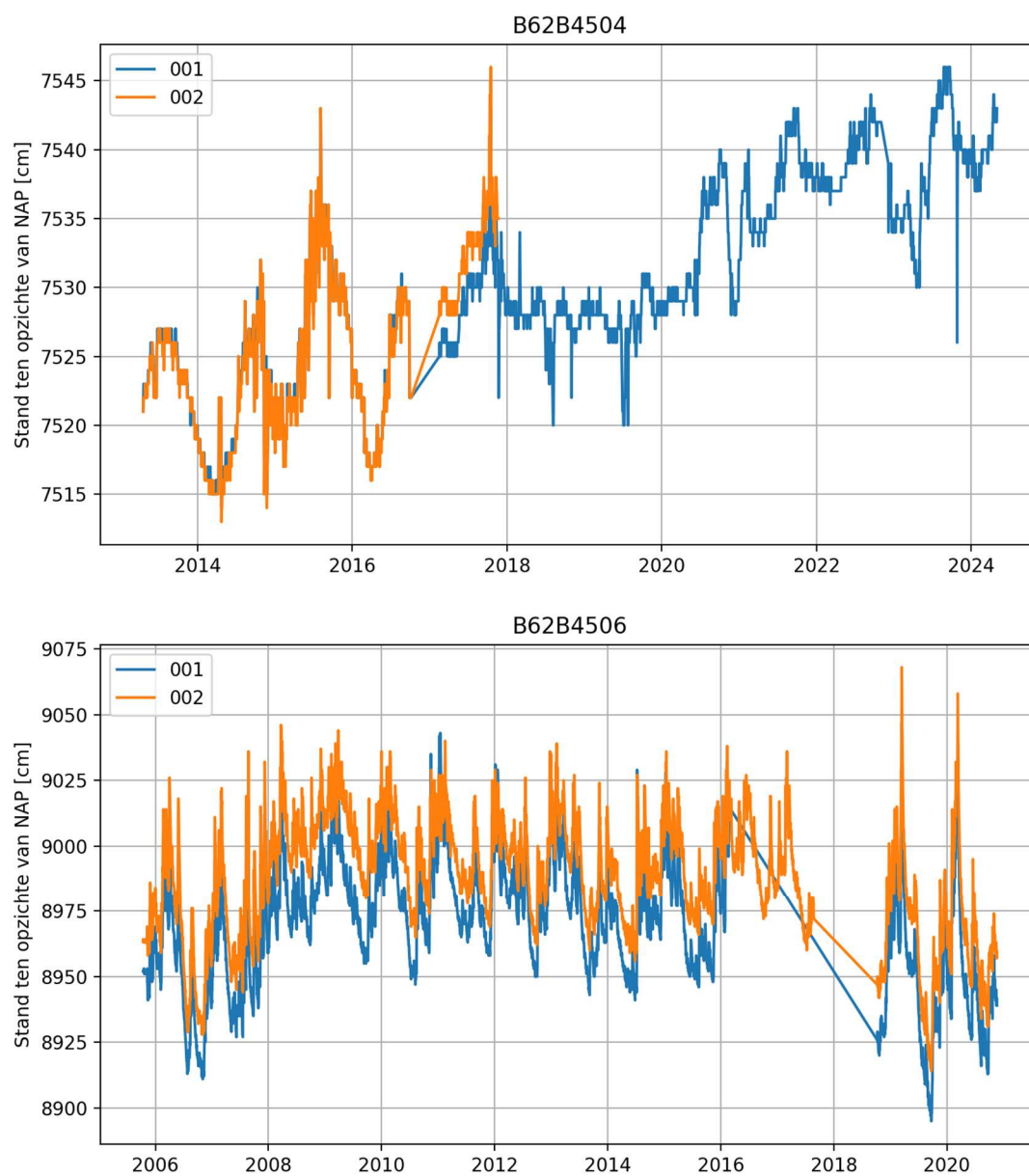


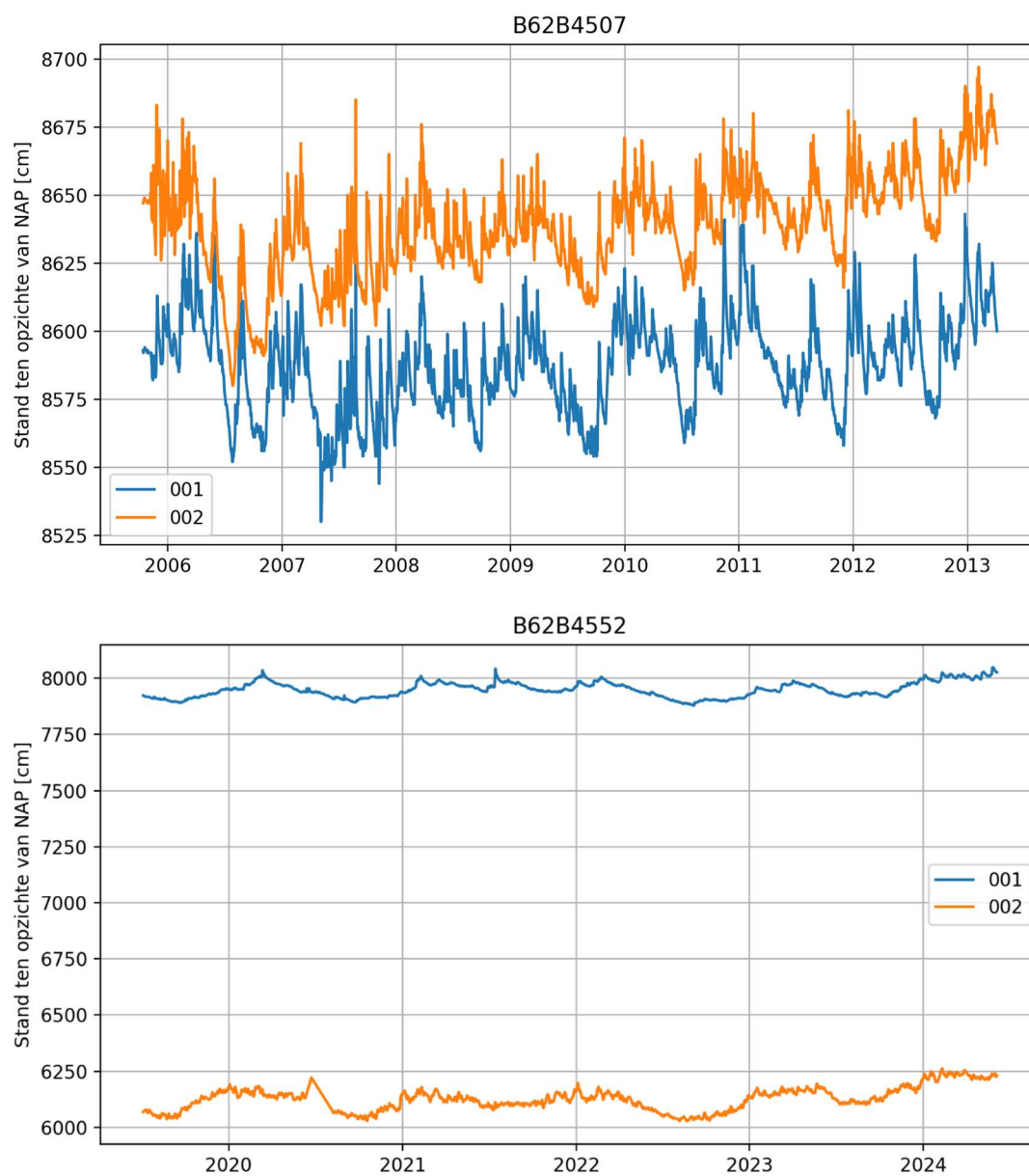


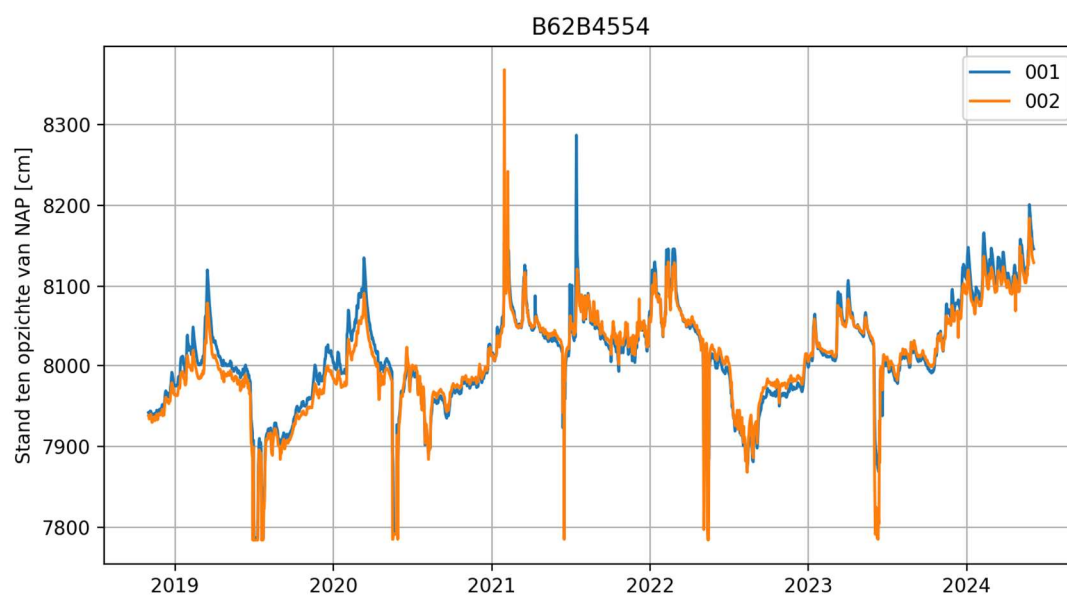
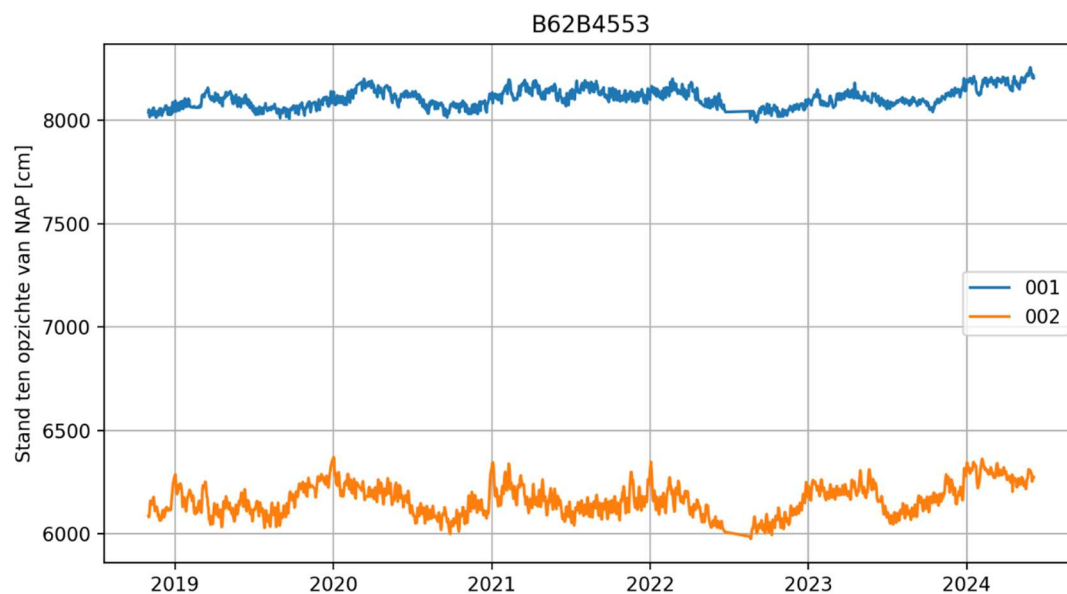


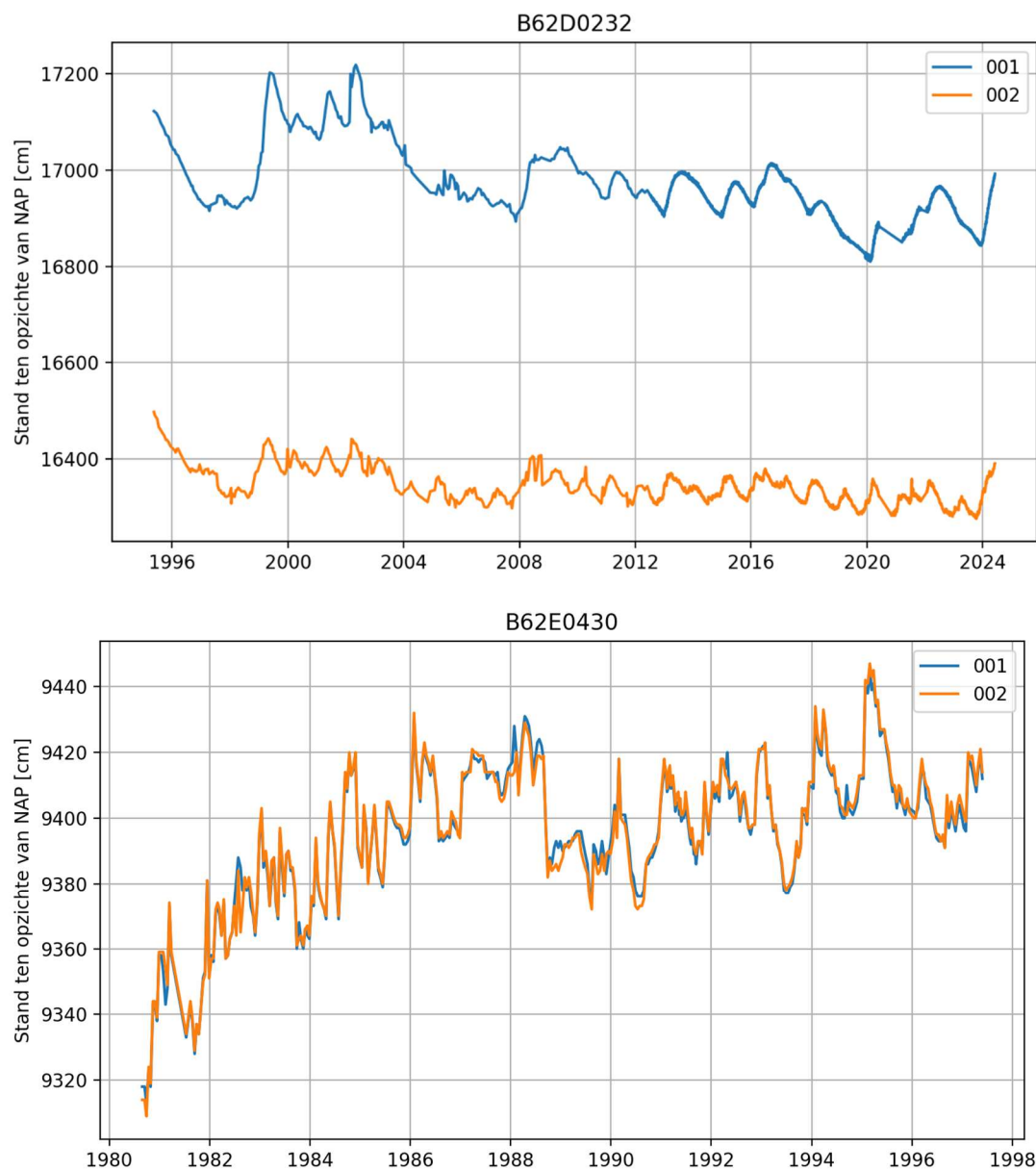


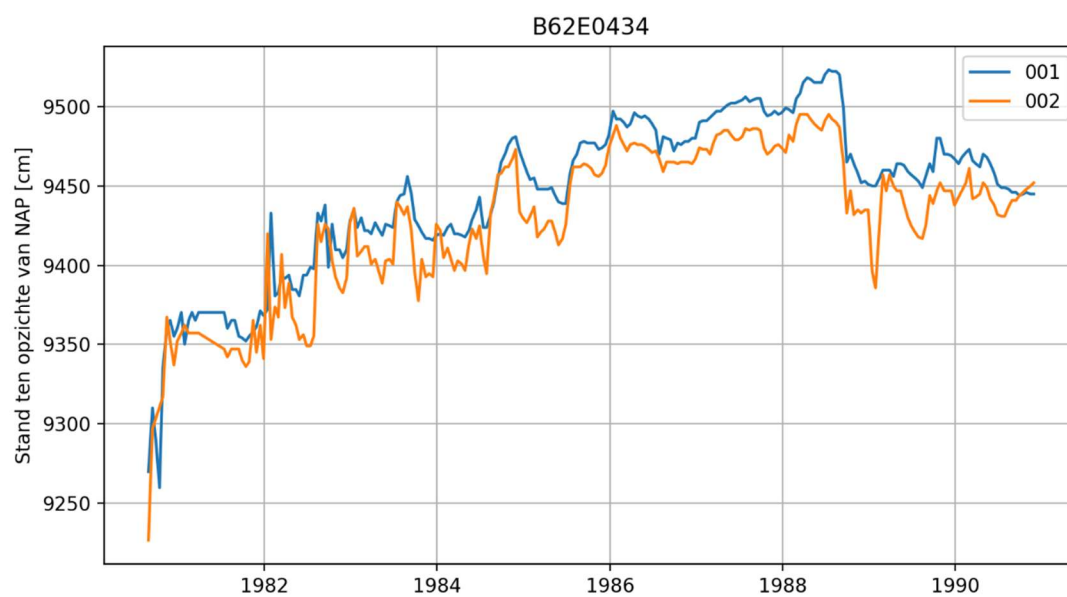
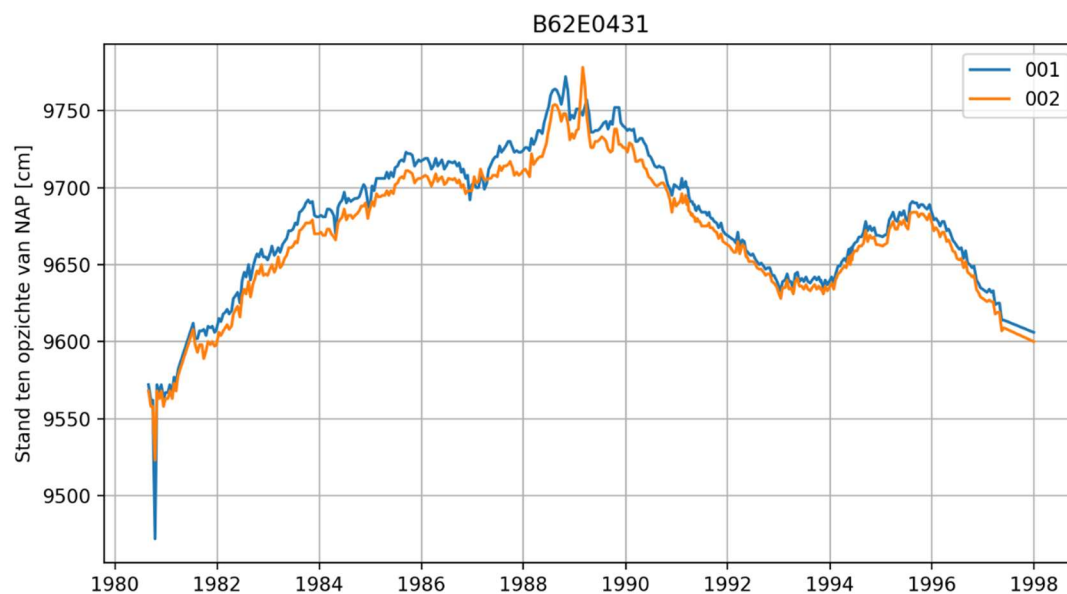


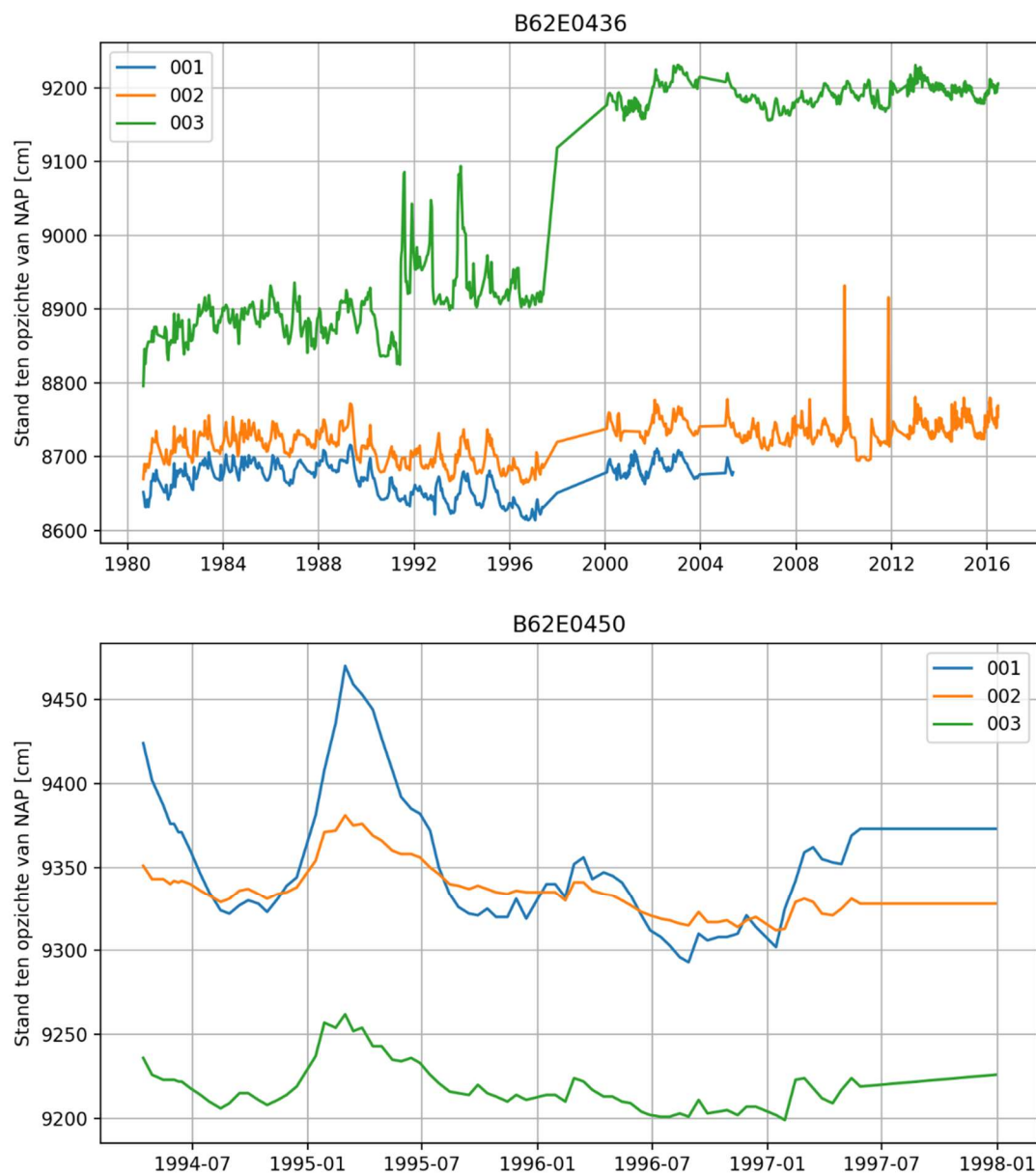


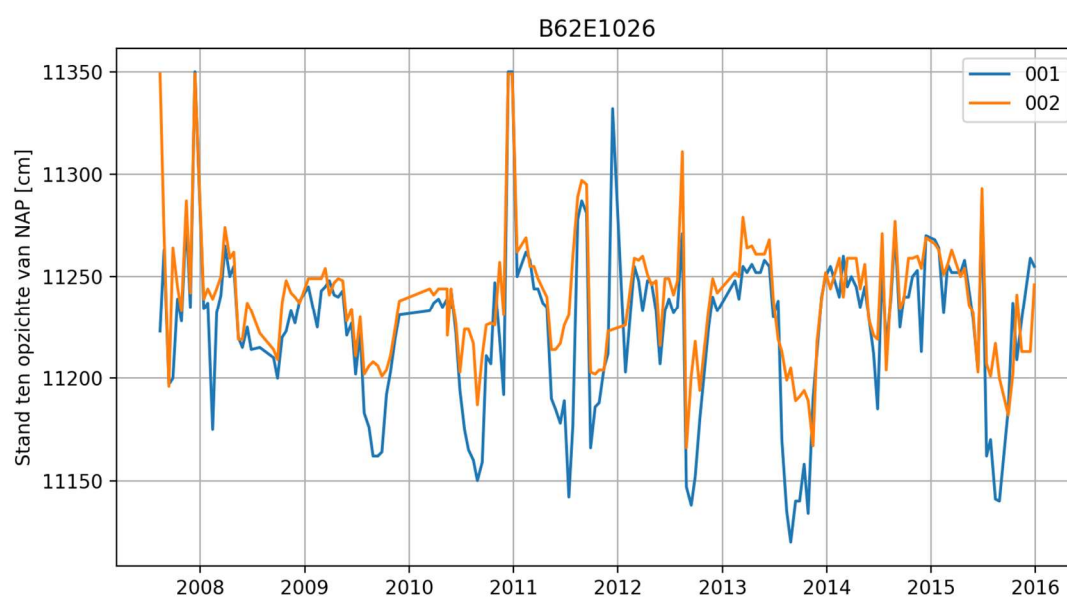
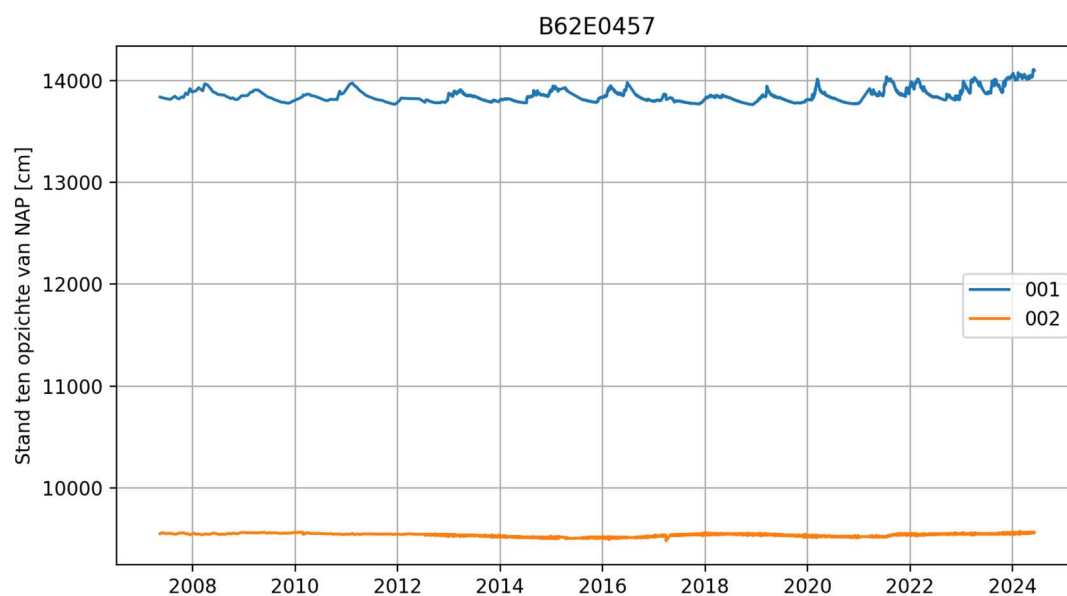


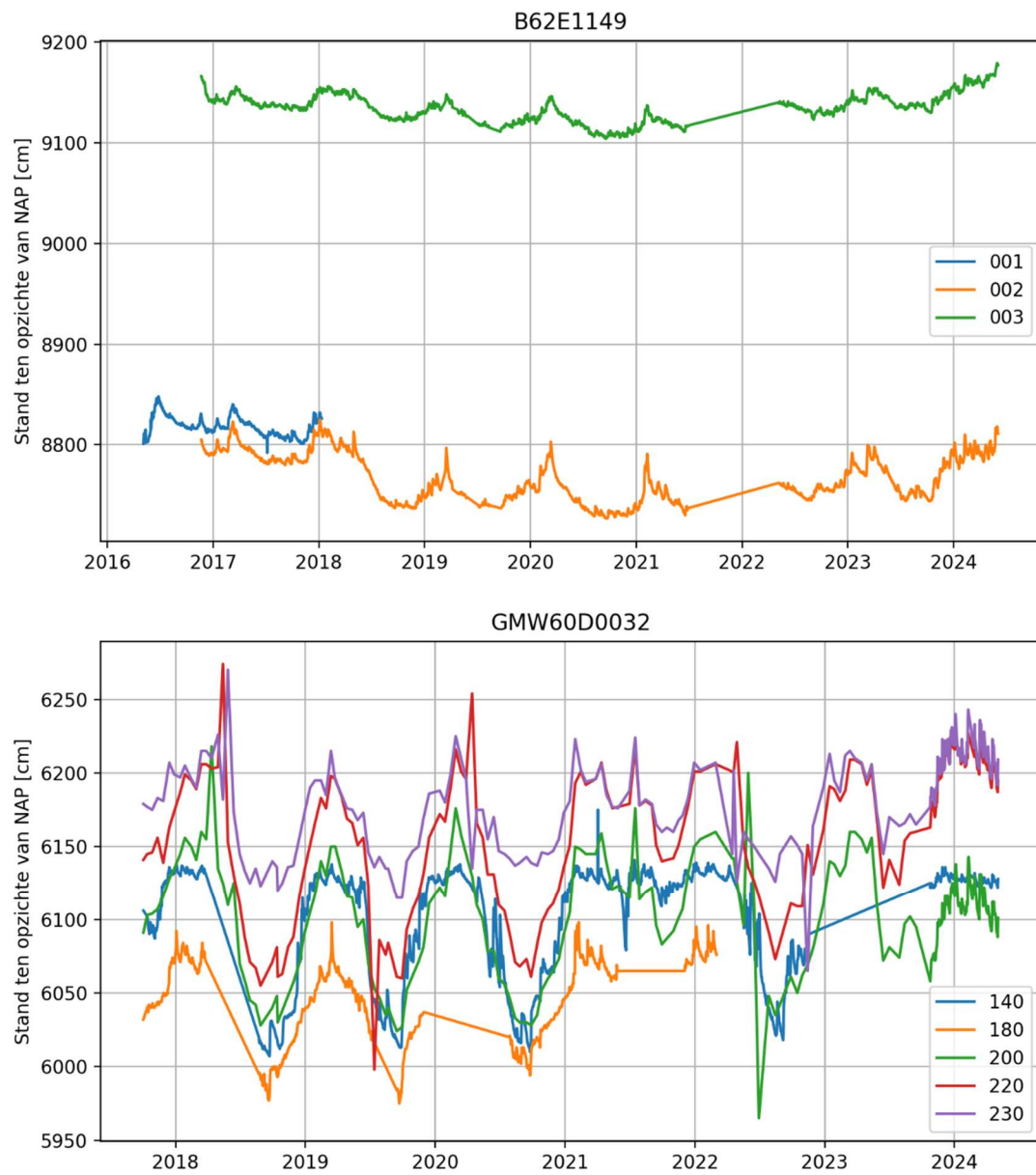








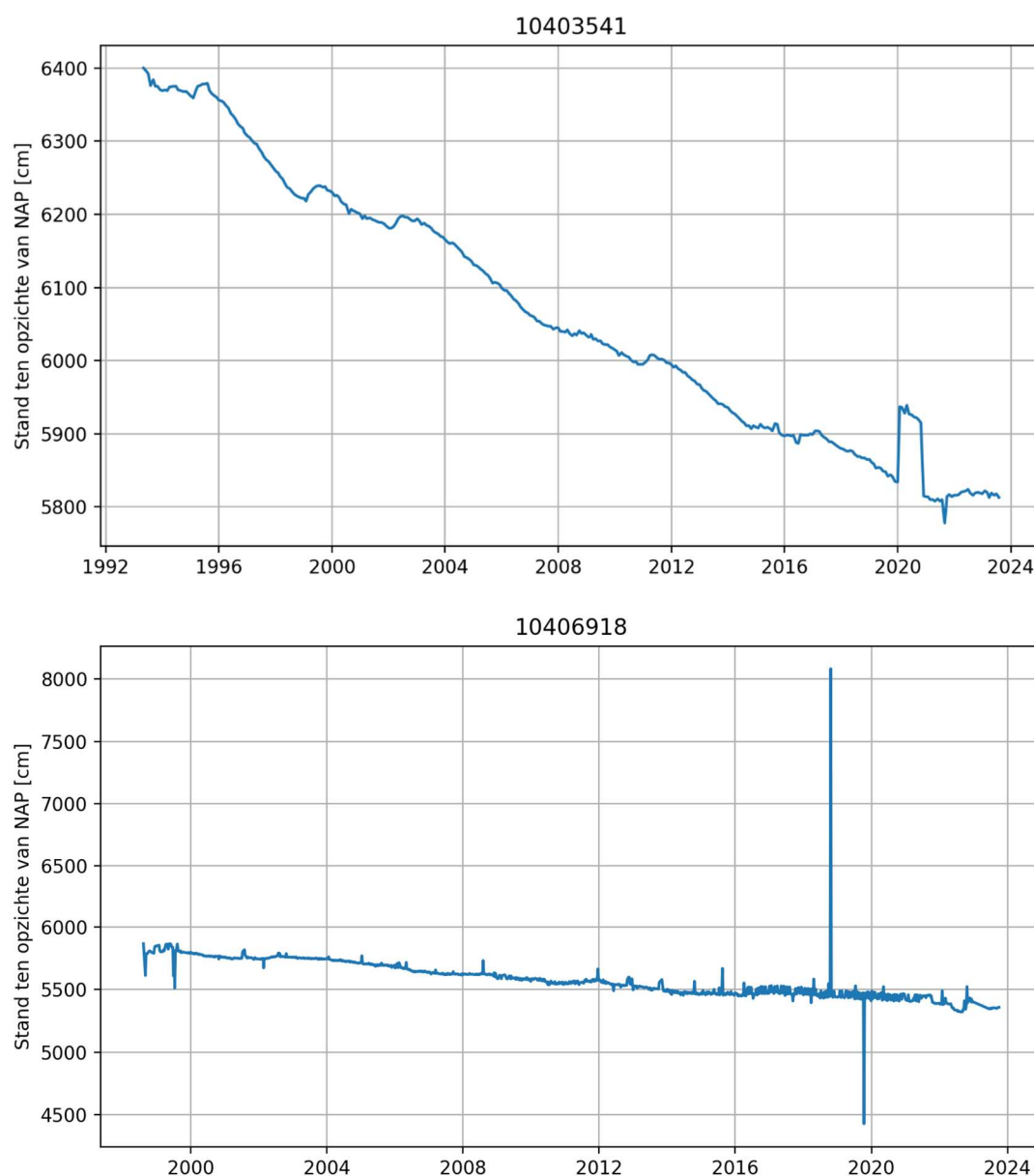


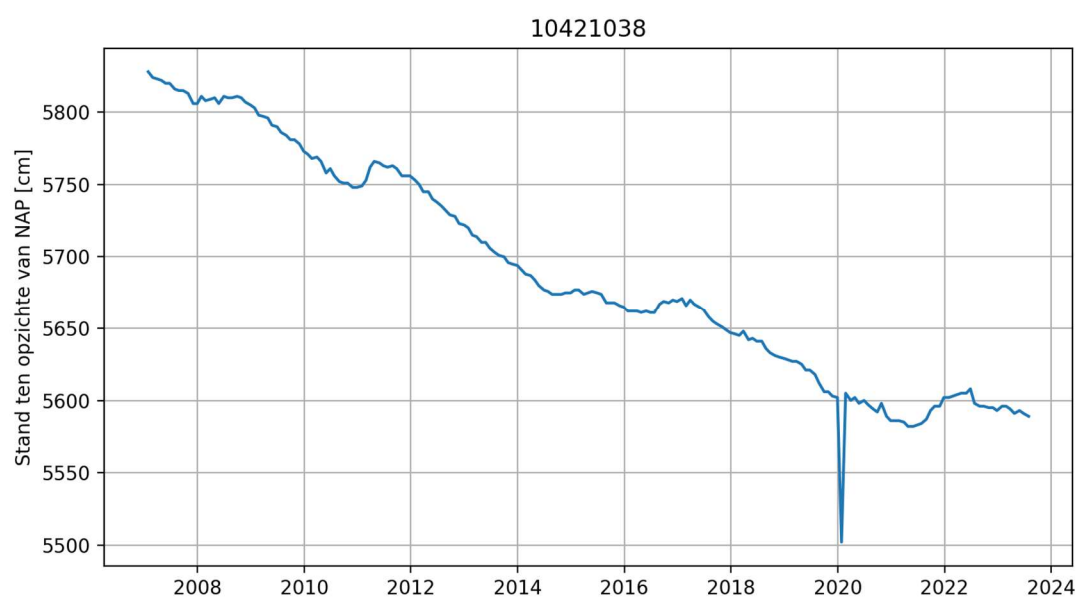
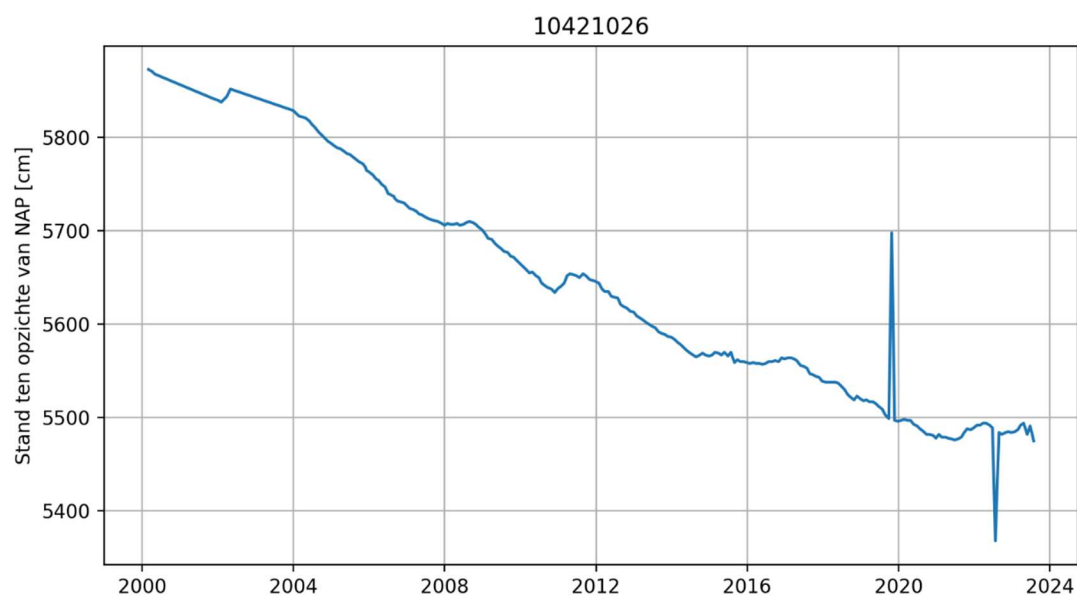


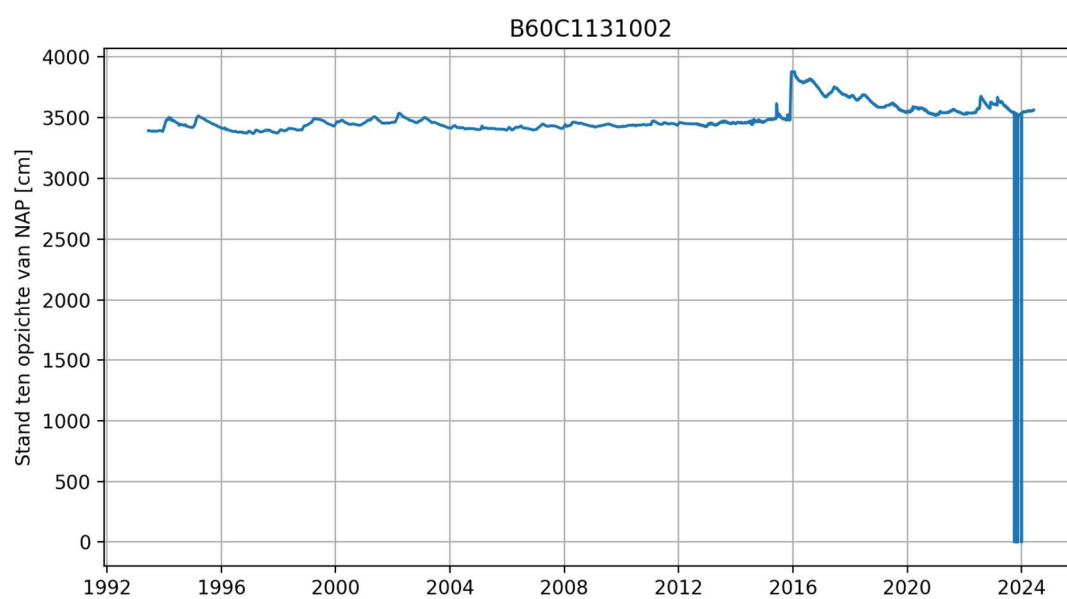
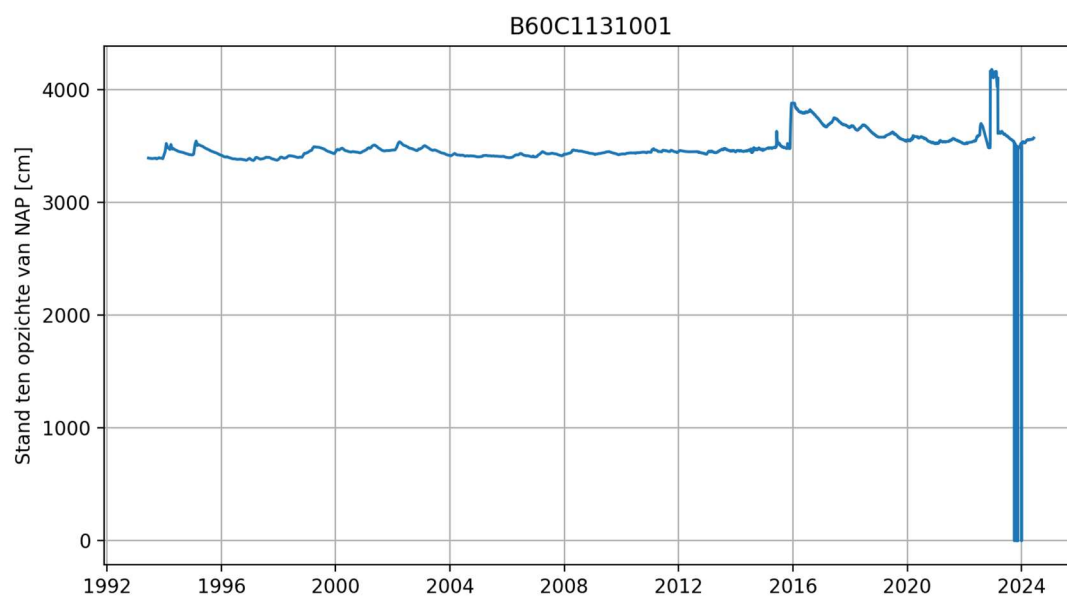


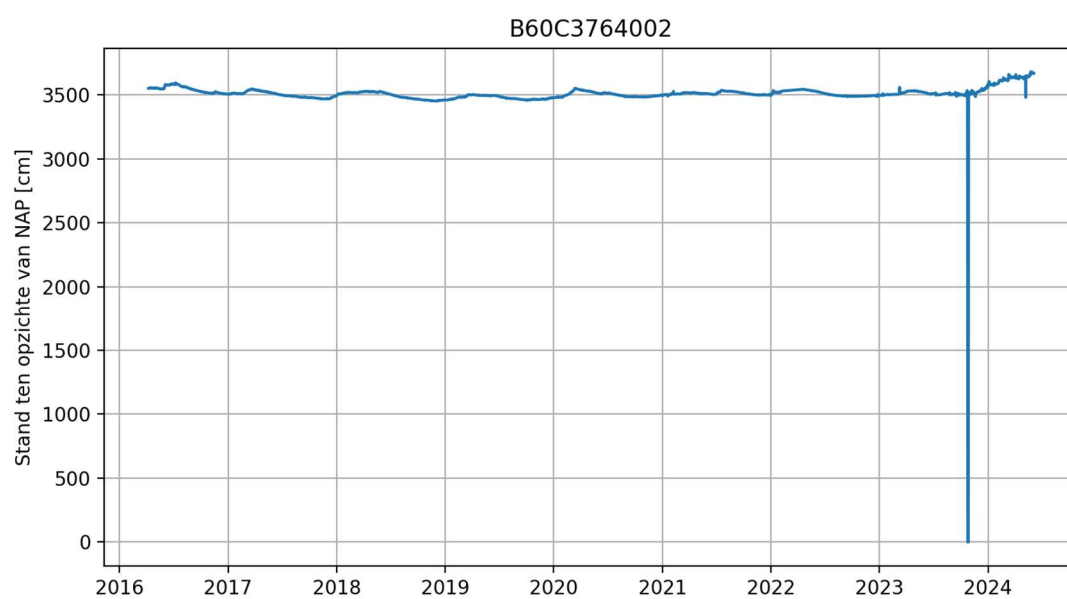
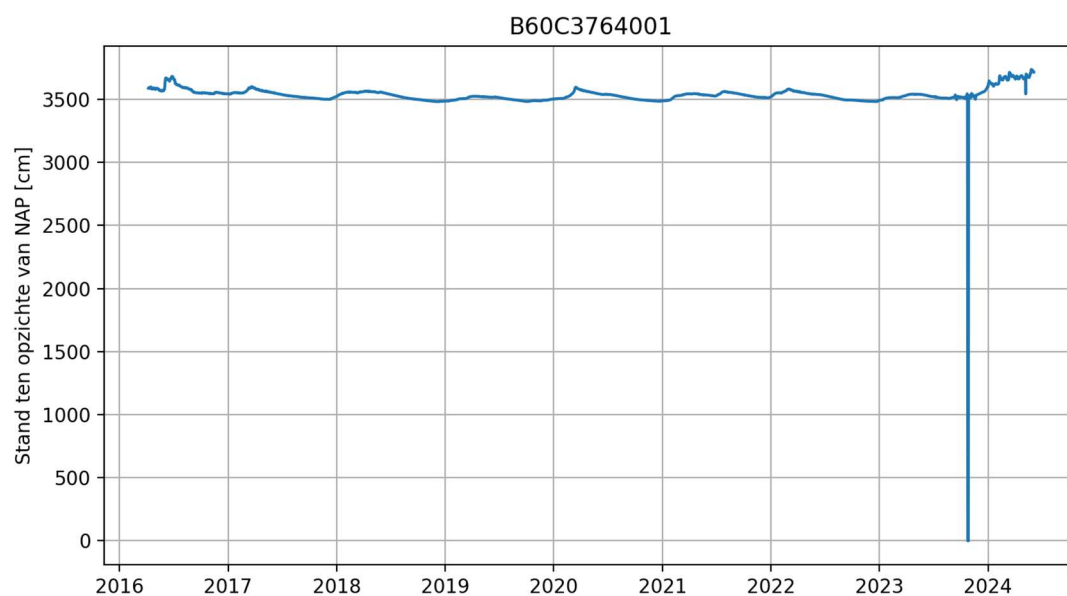
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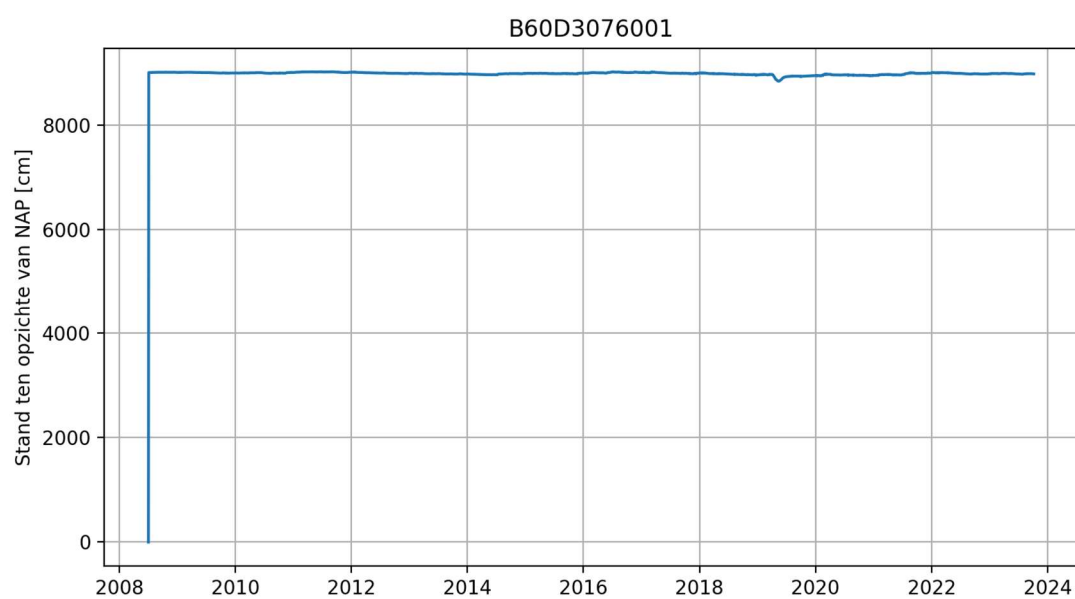
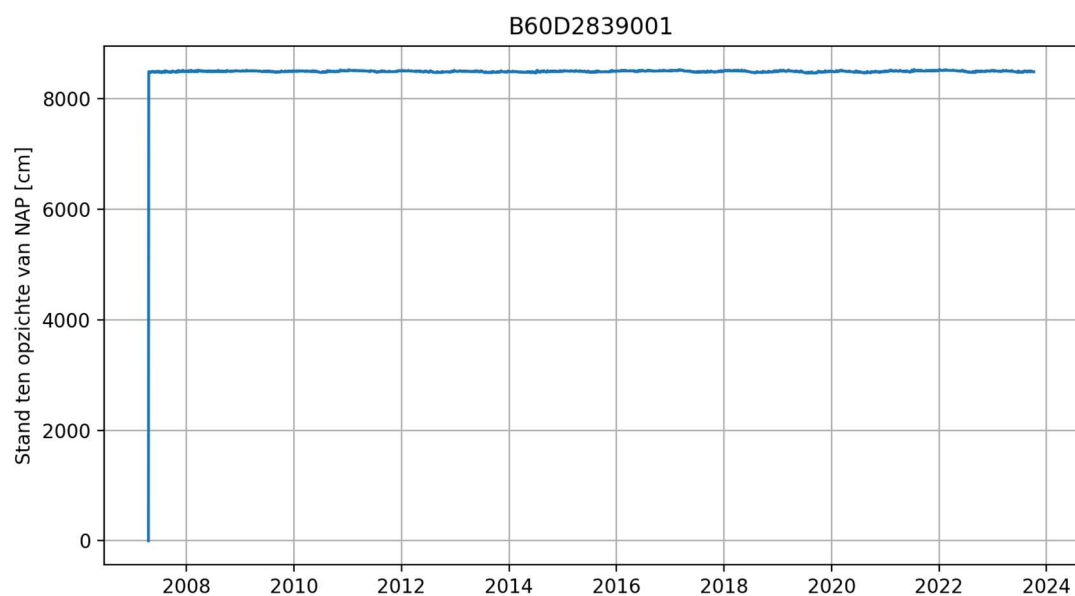
# Originele grafieken van aangepaste reeksen

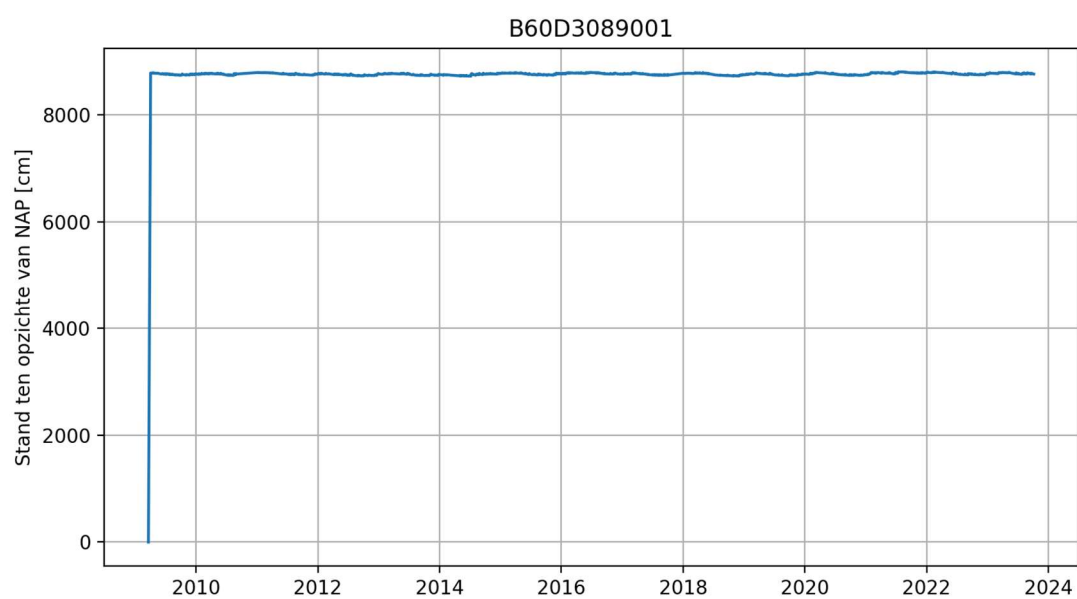
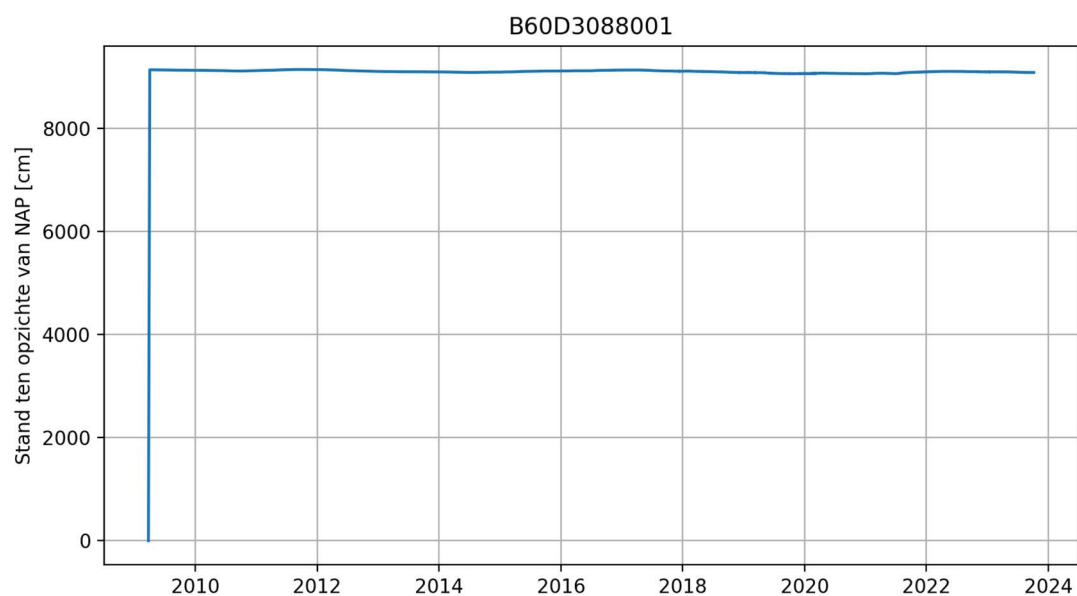


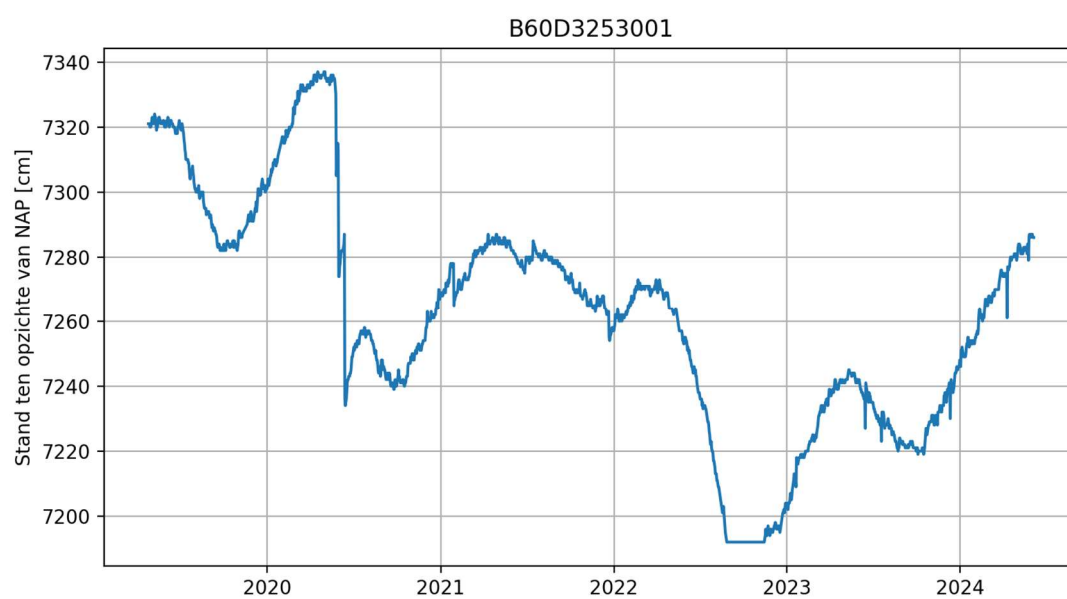
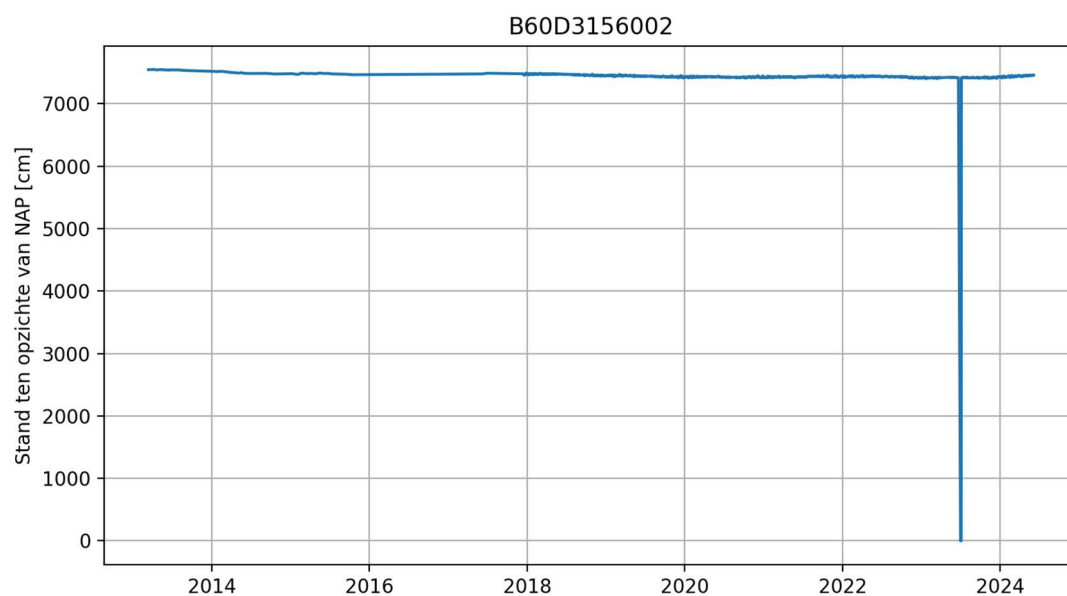


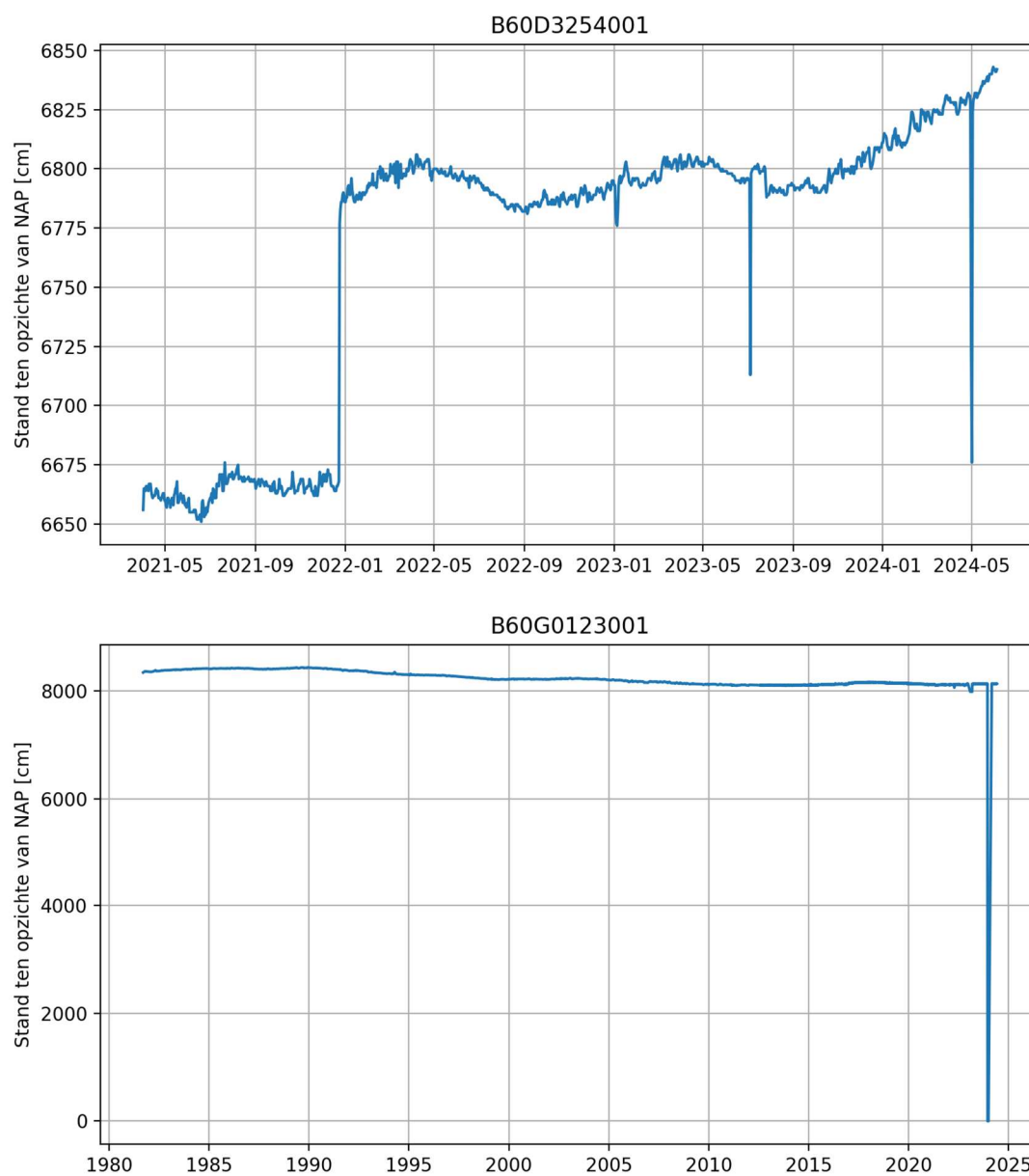




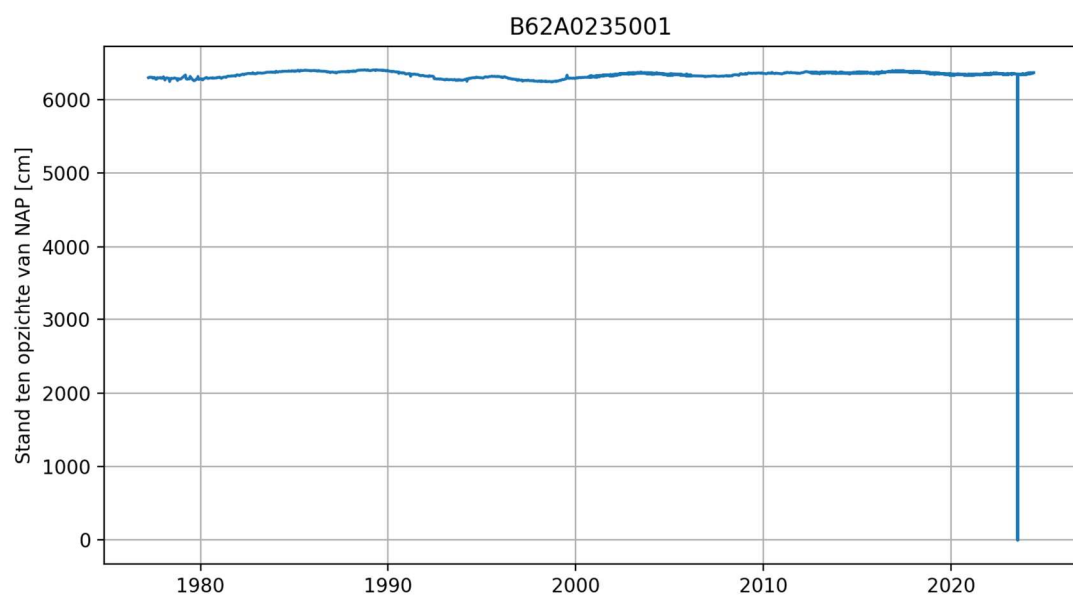
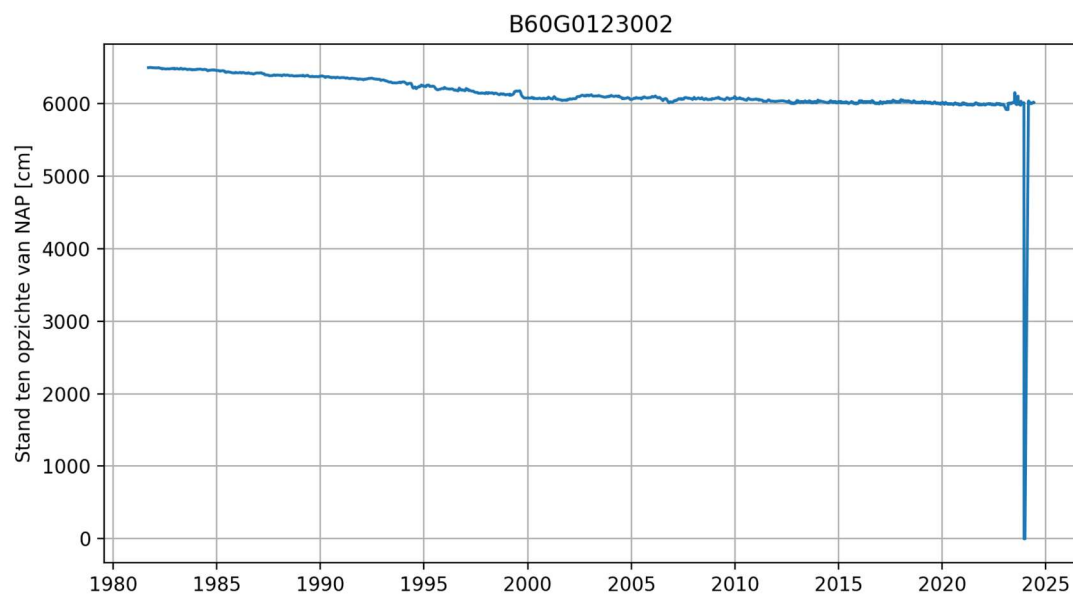


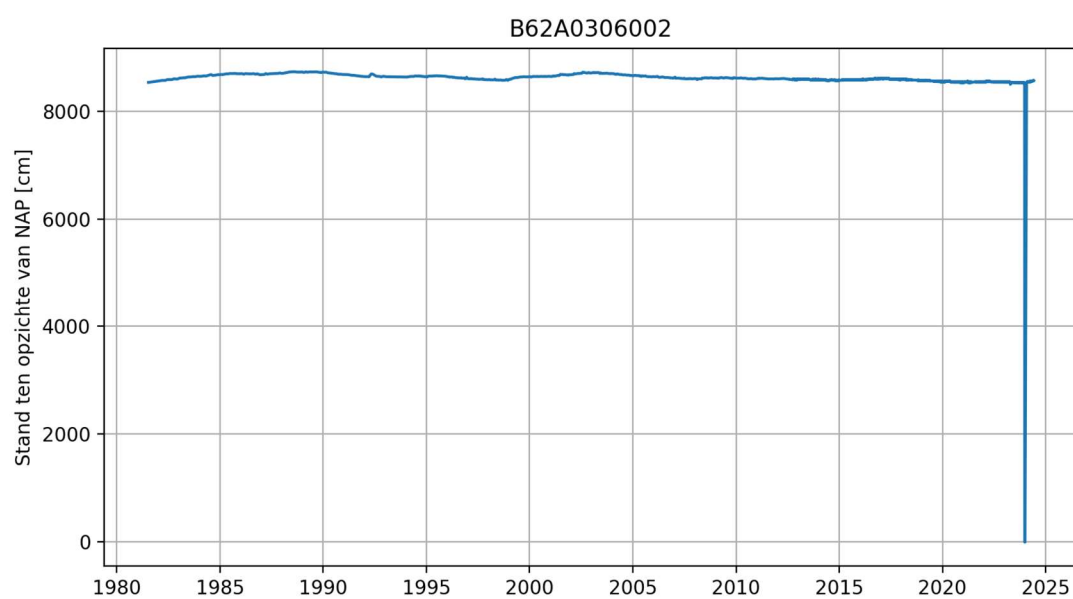
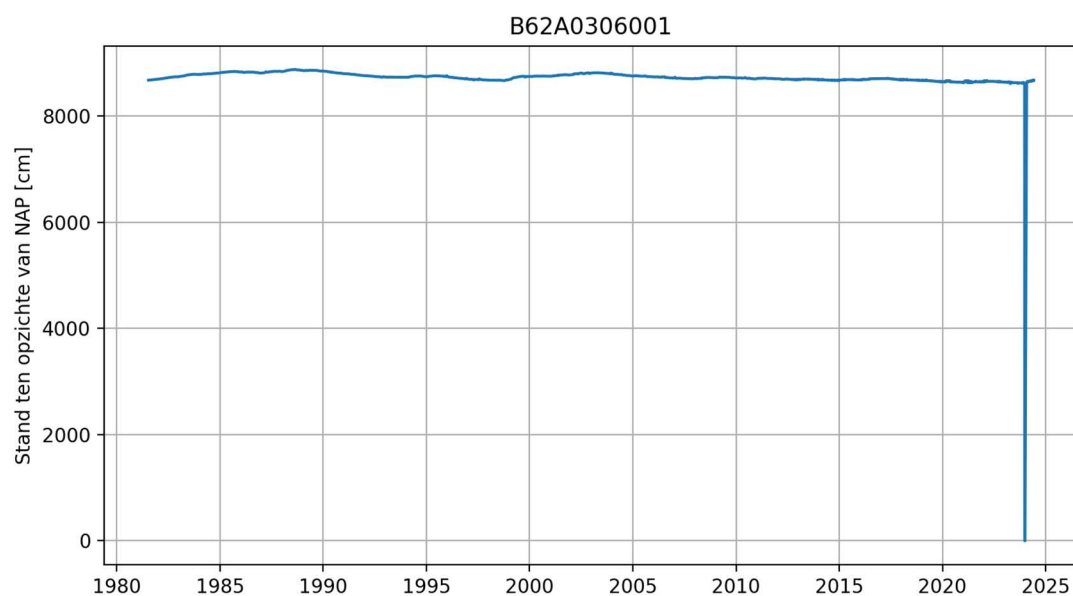


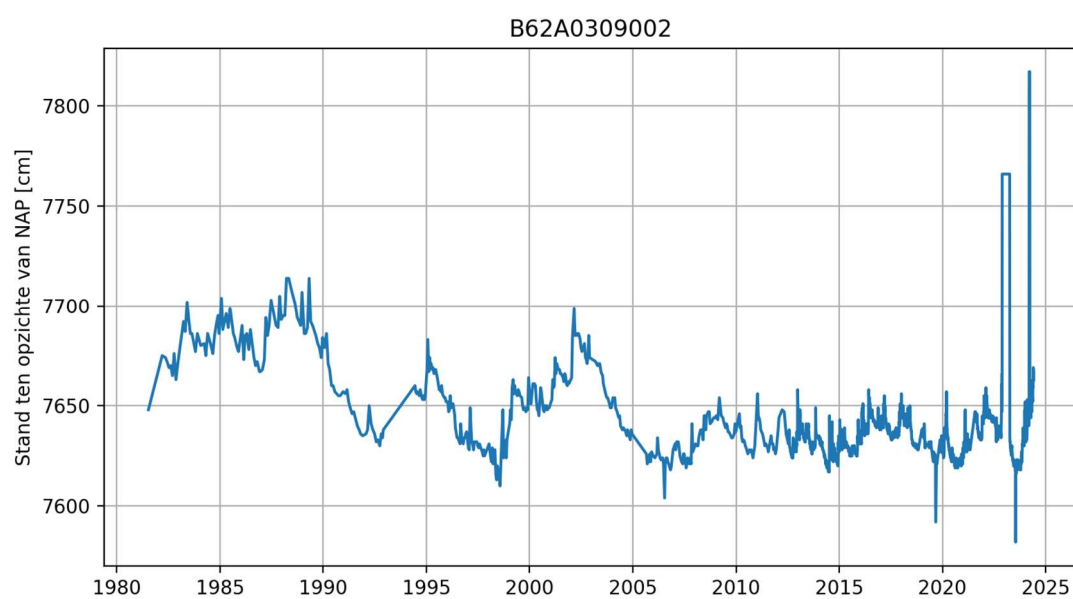
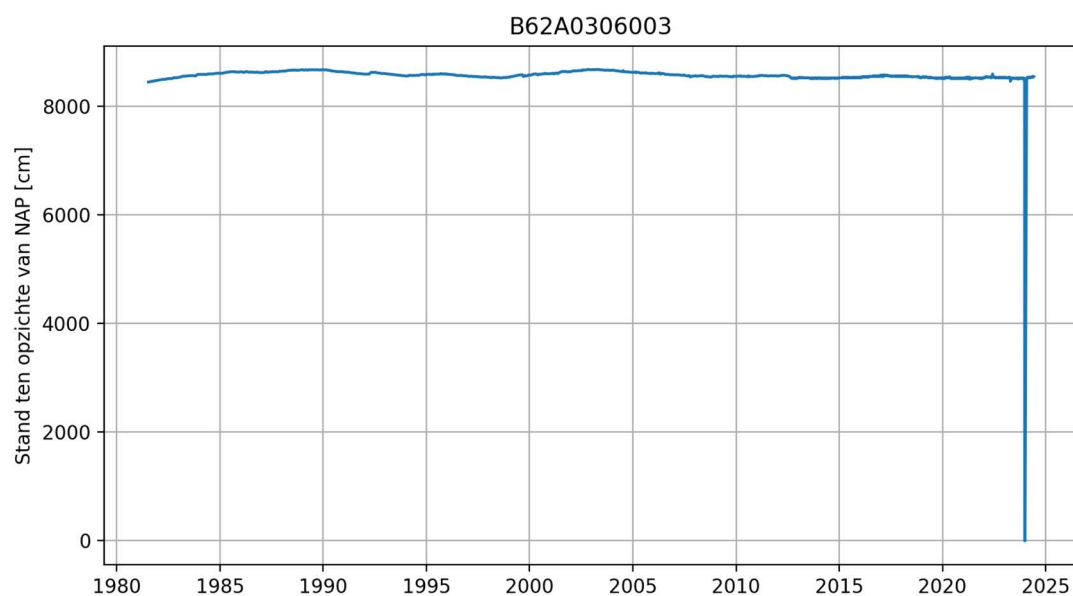


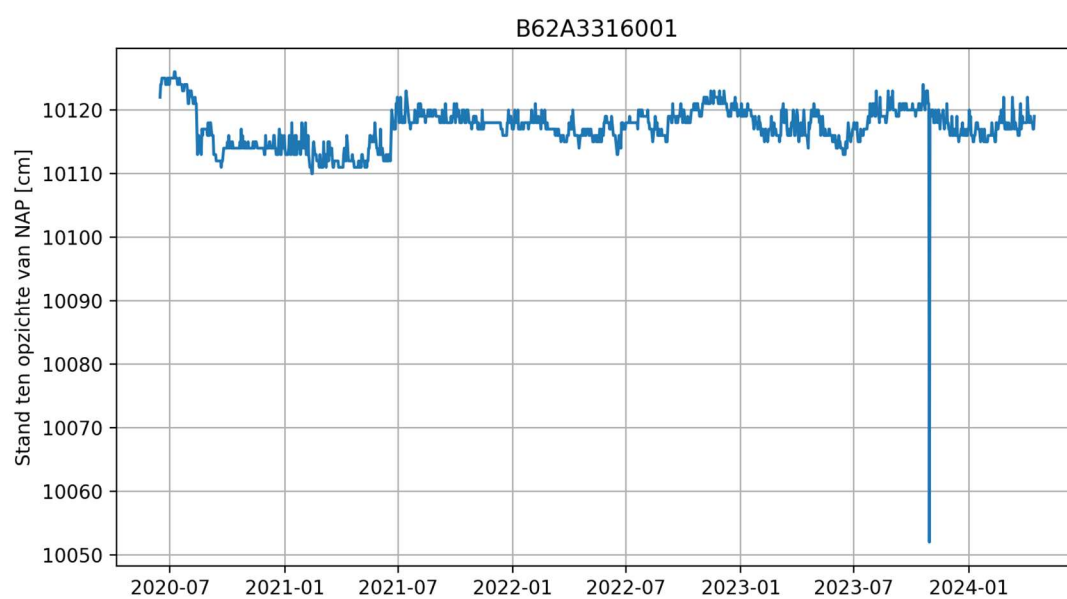
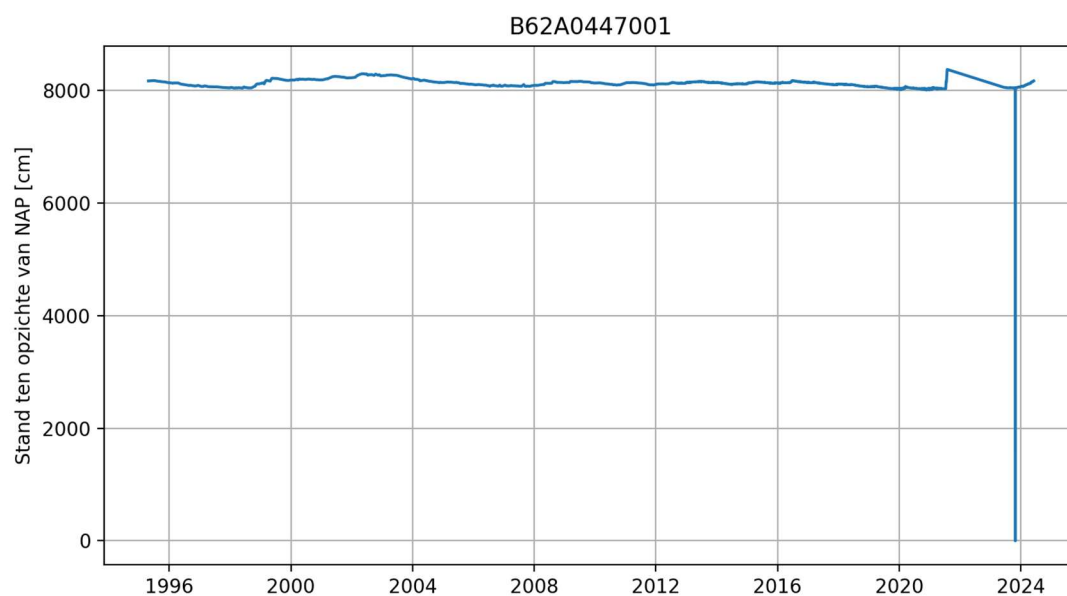


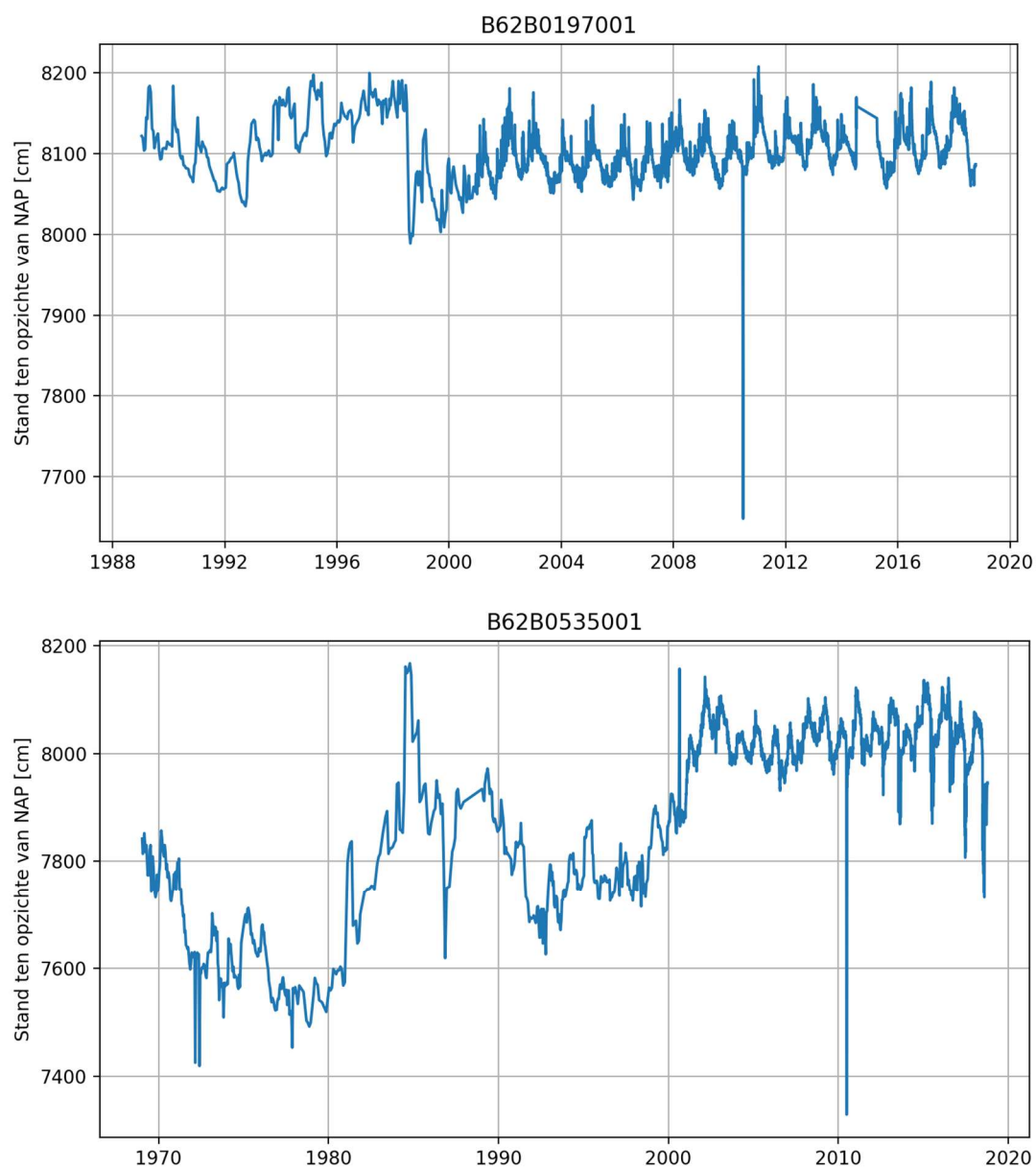


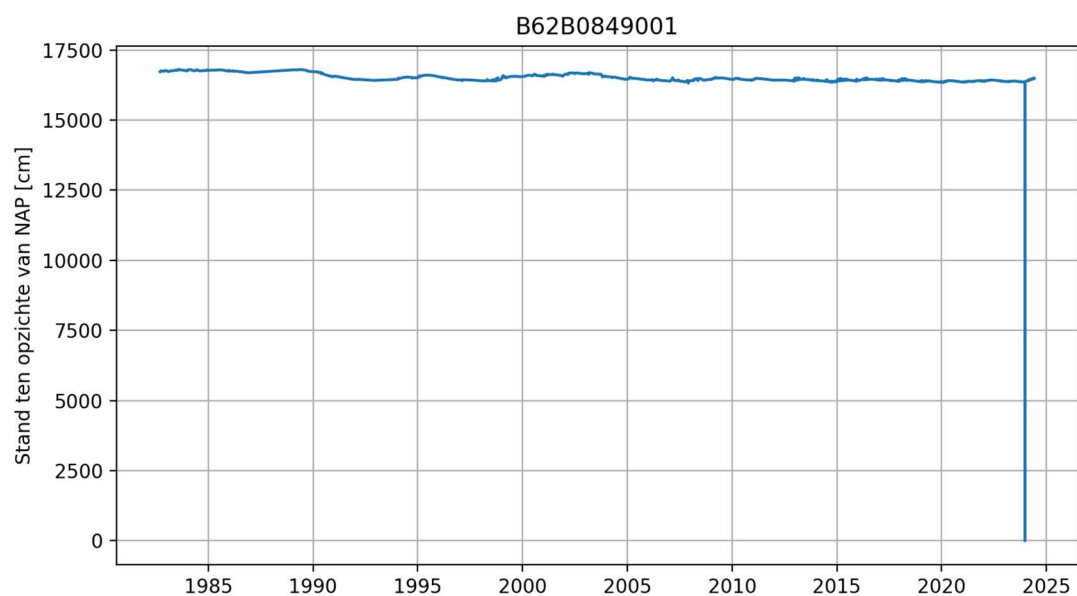


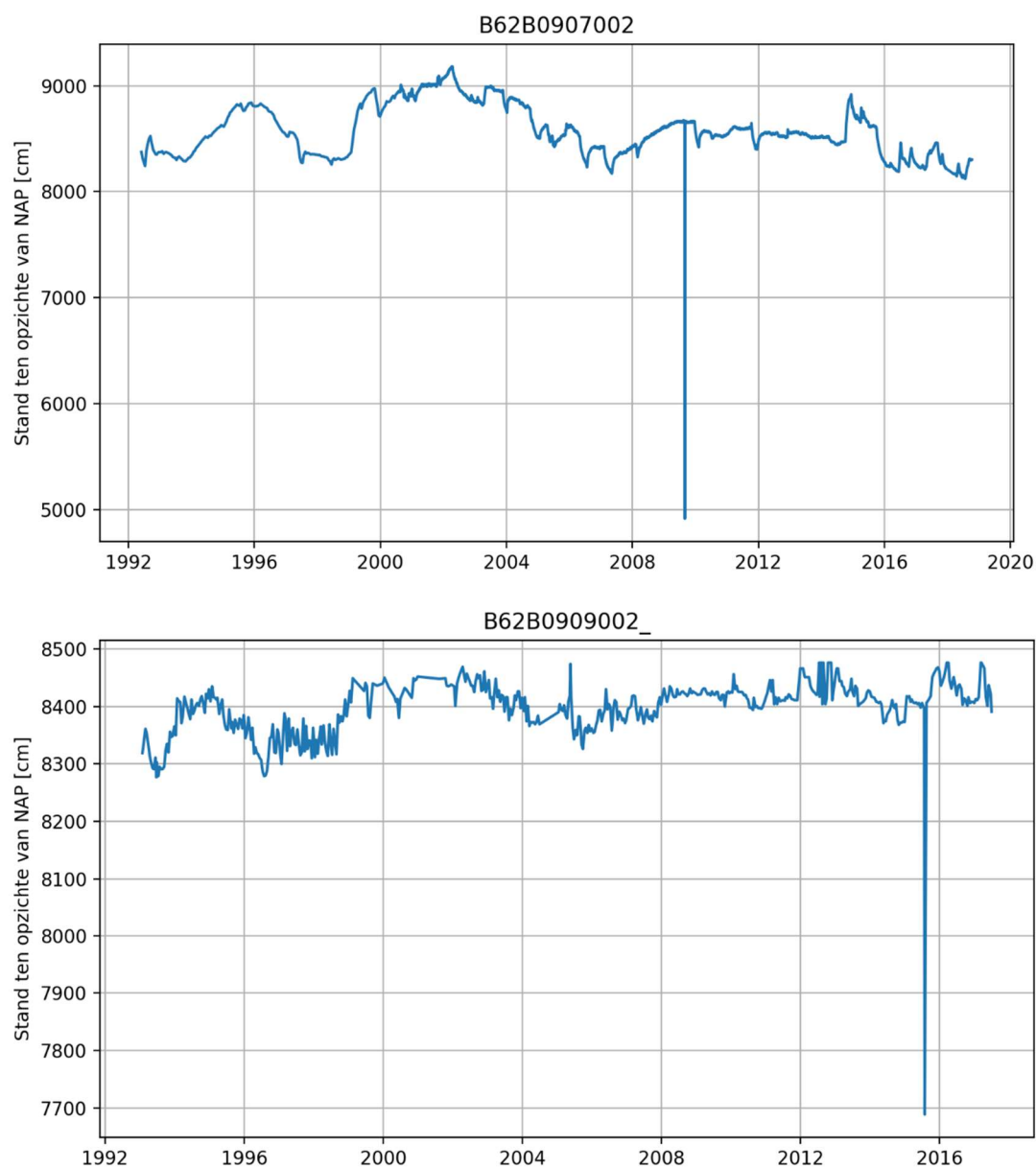


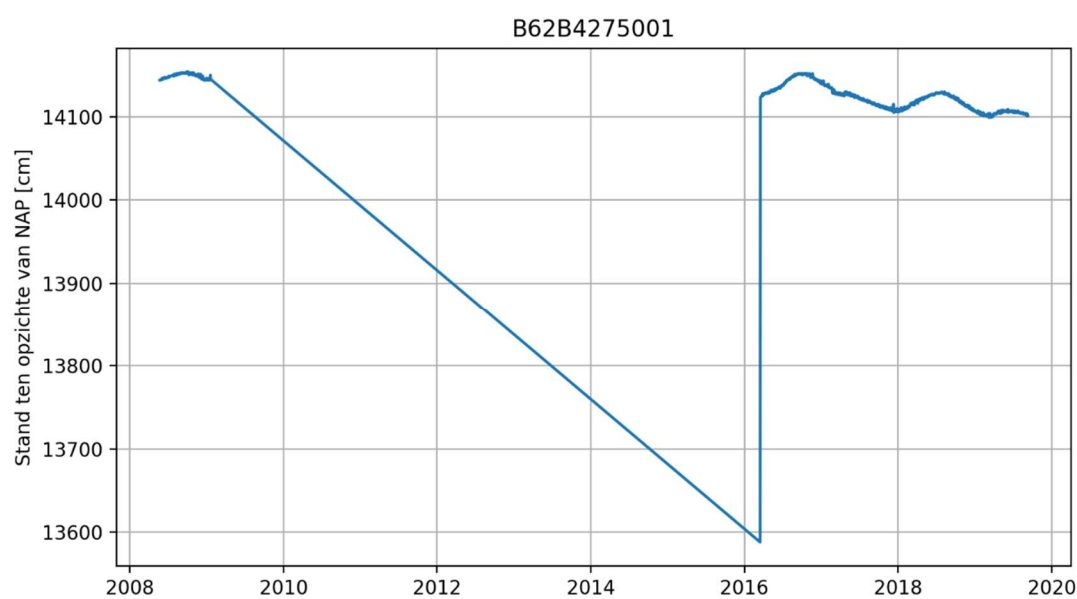
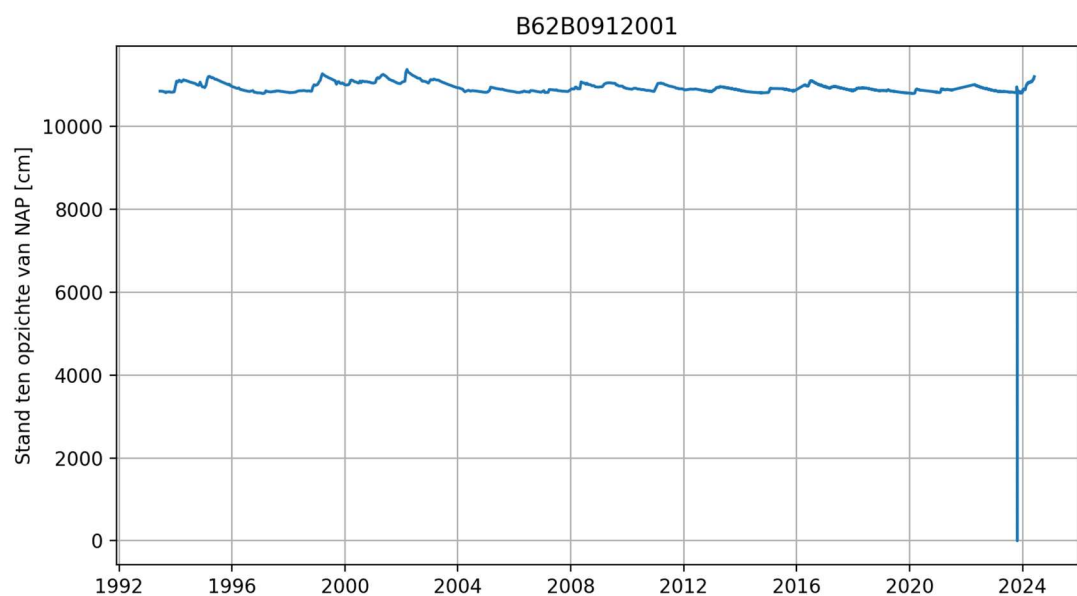




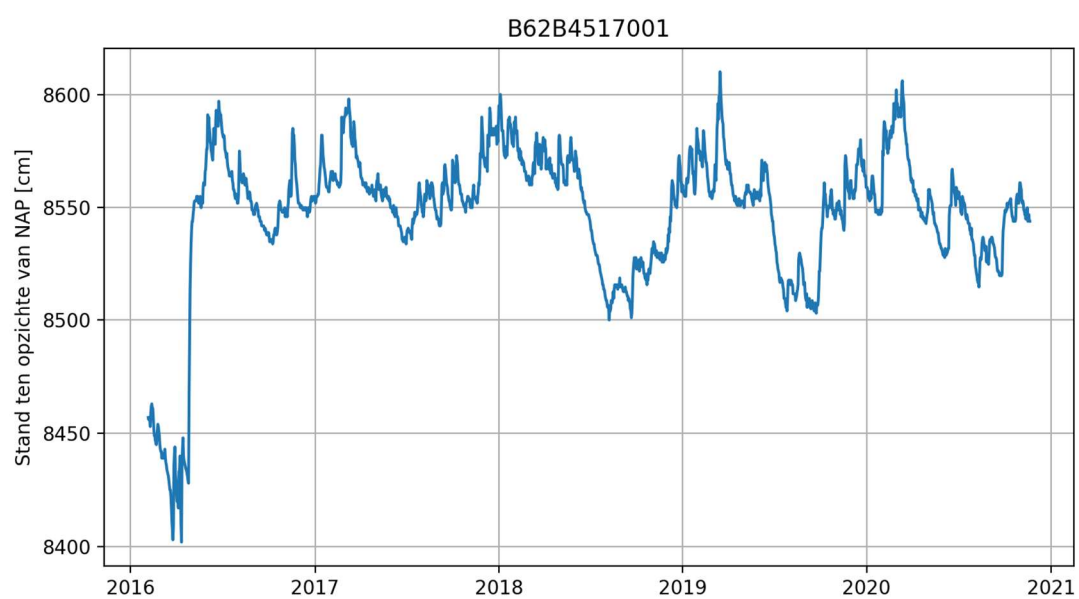
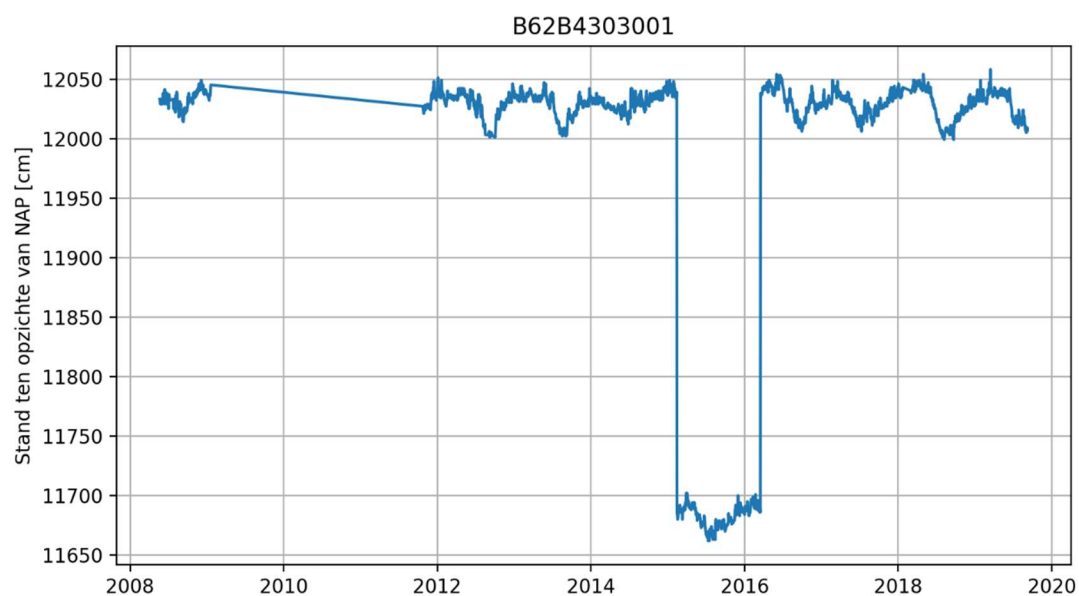


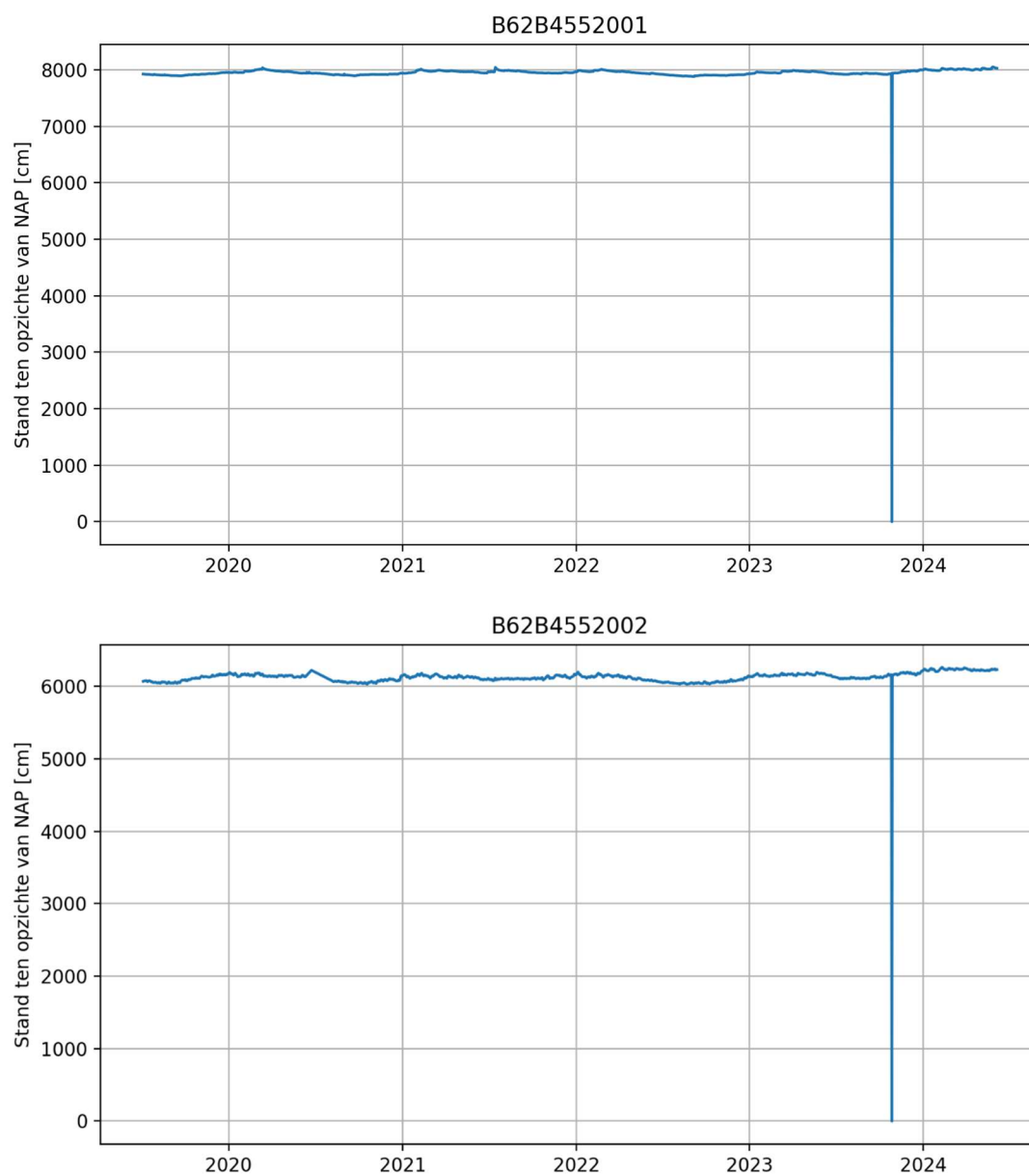


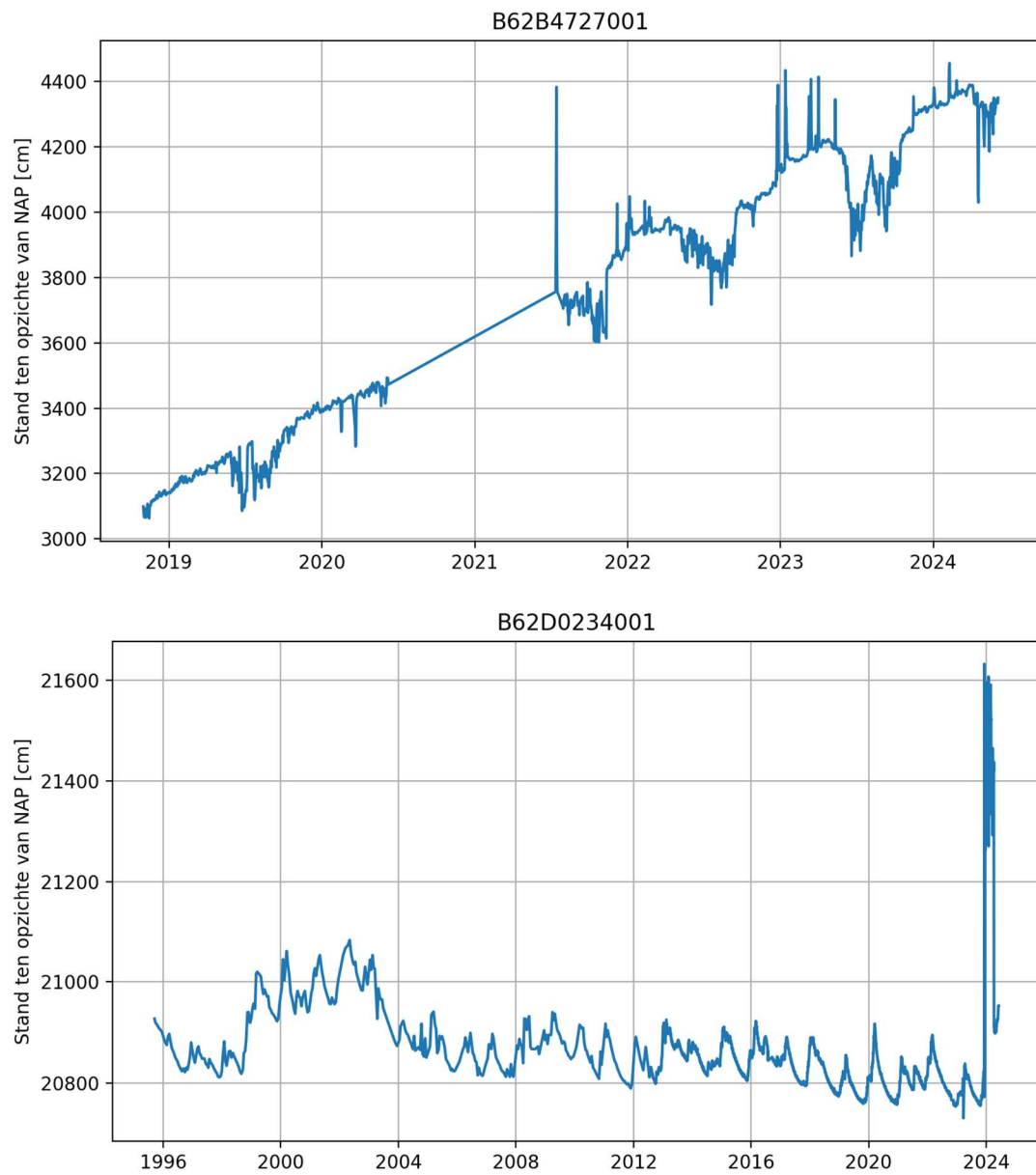


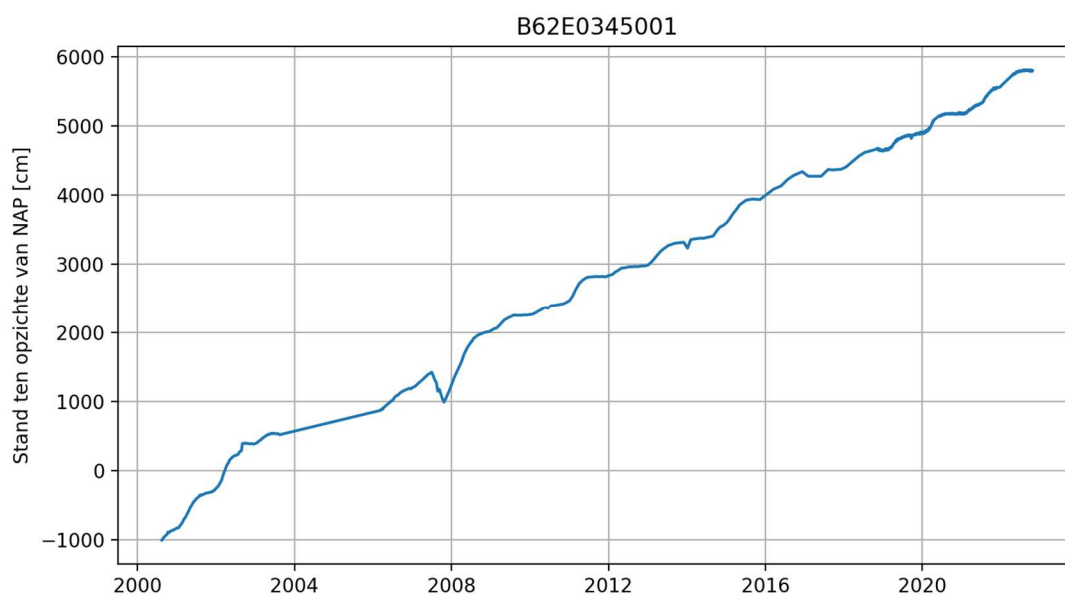
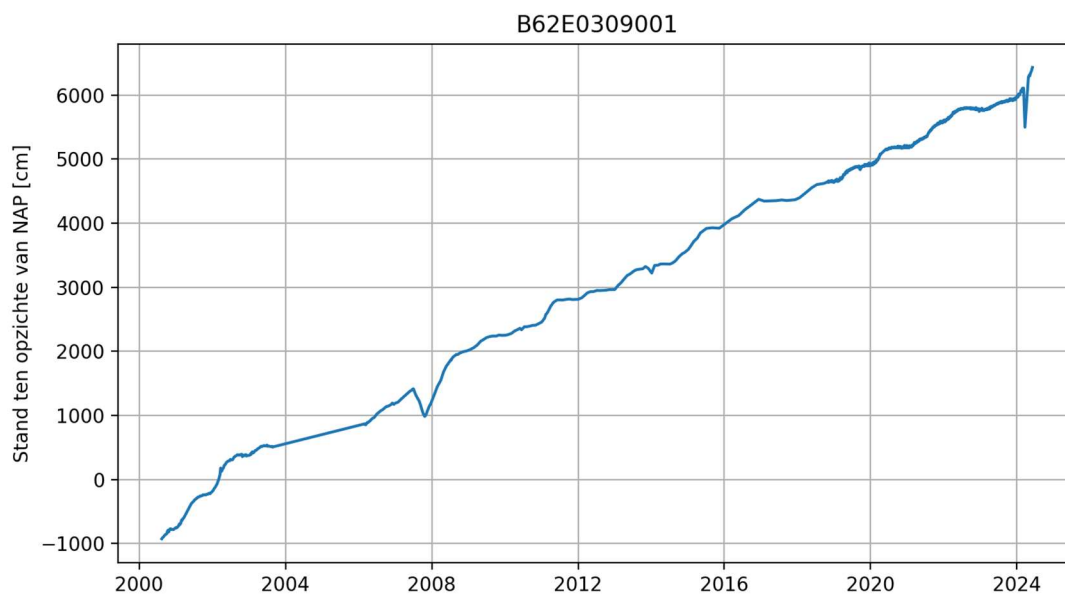


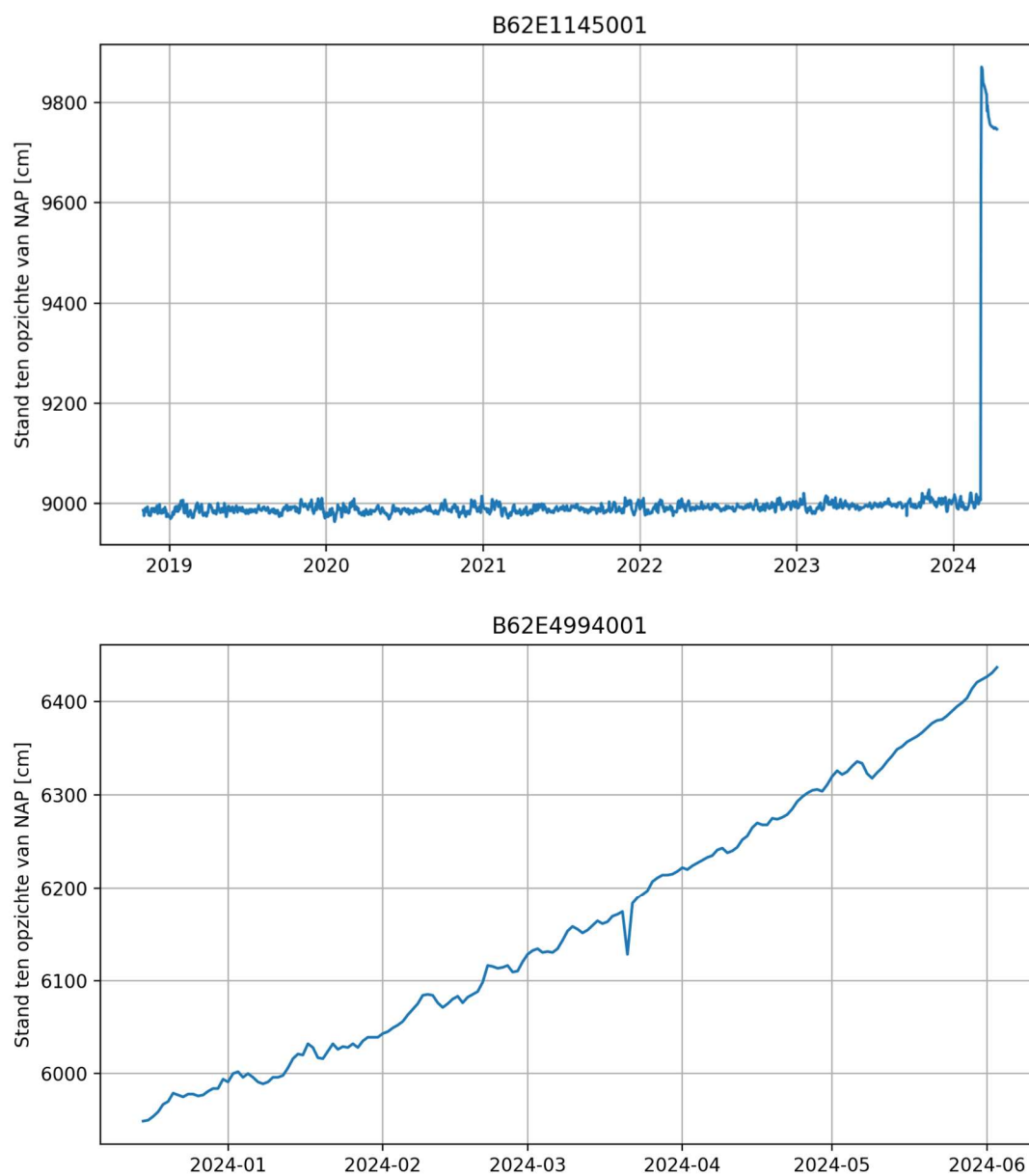


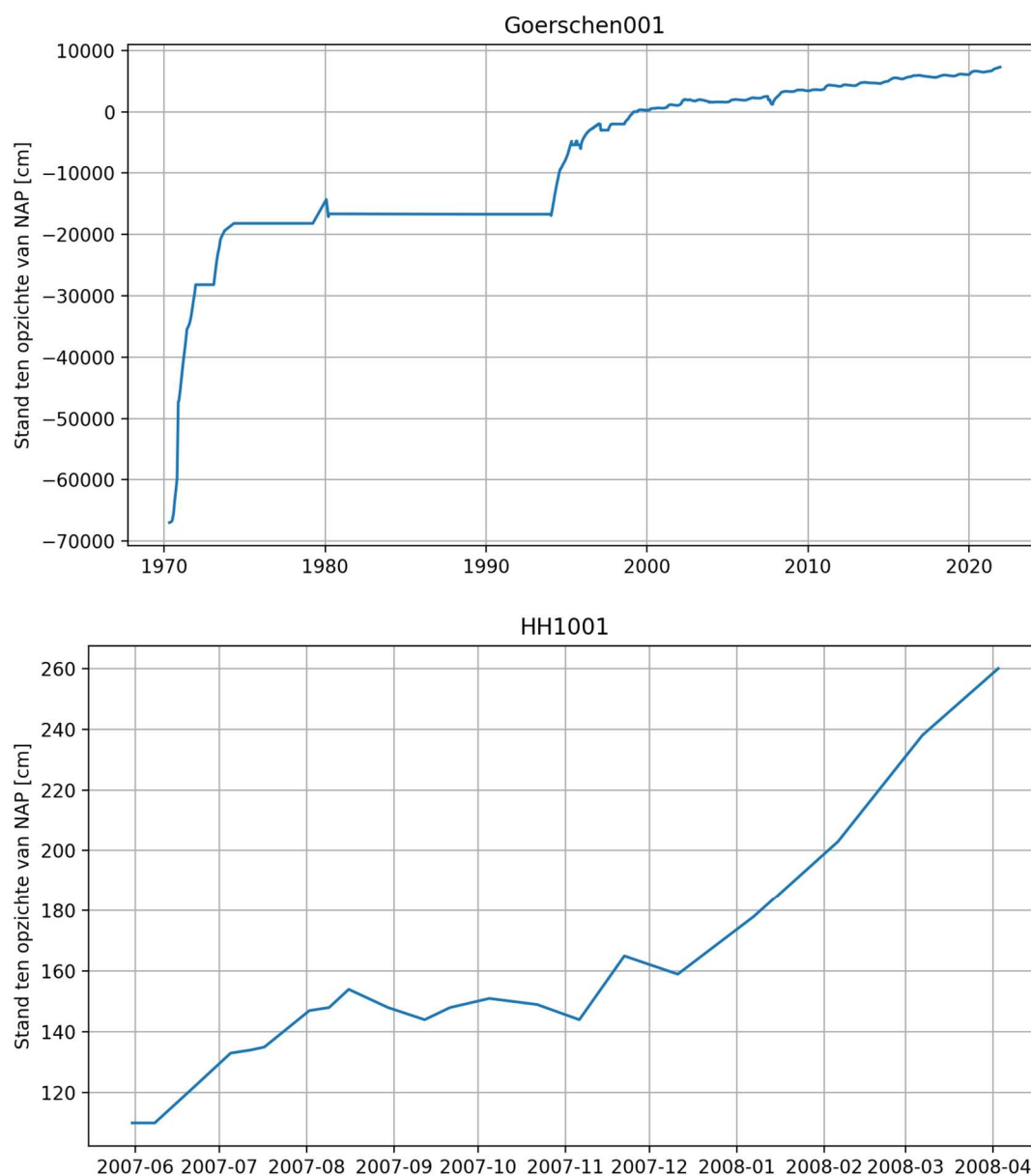


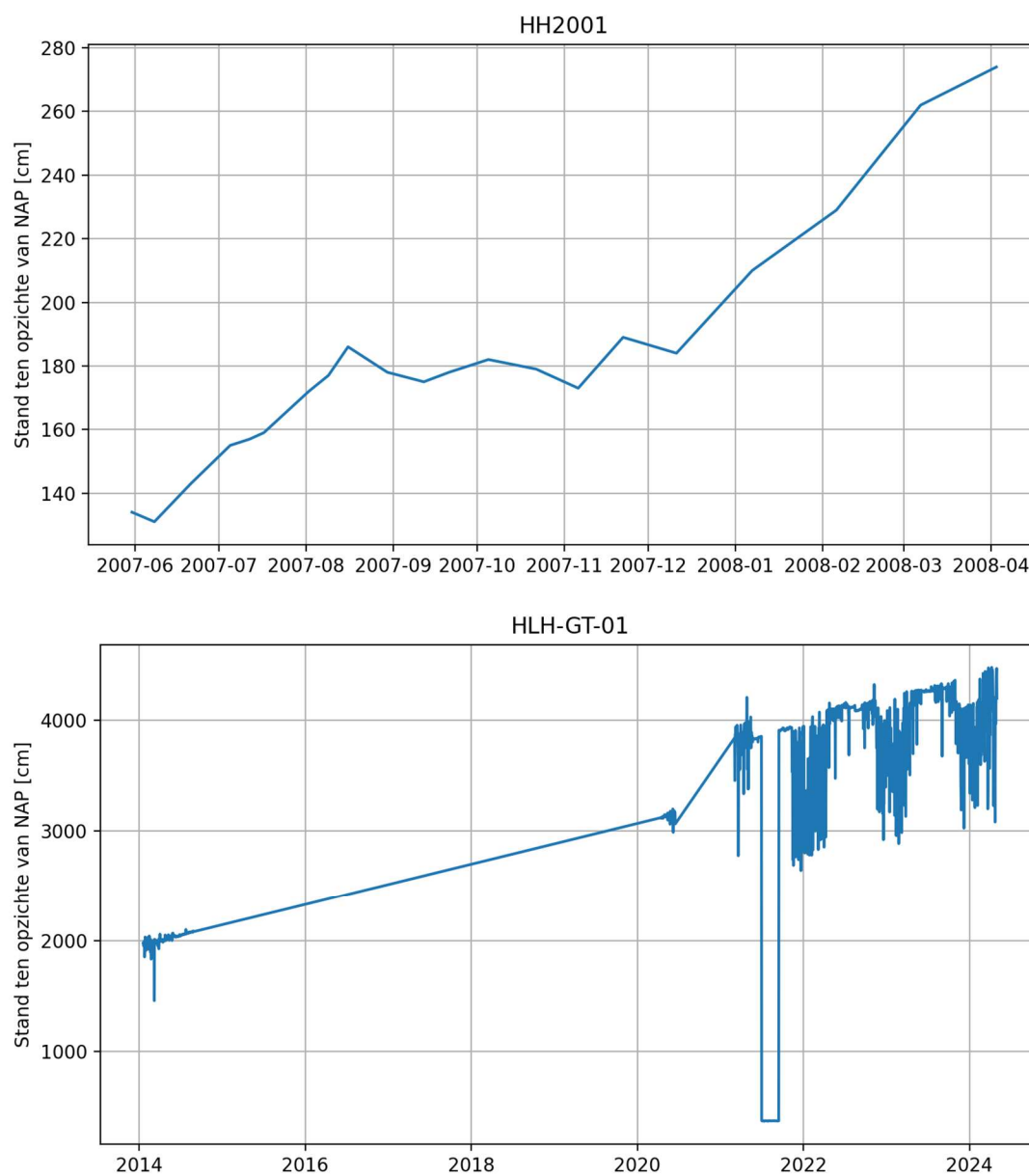


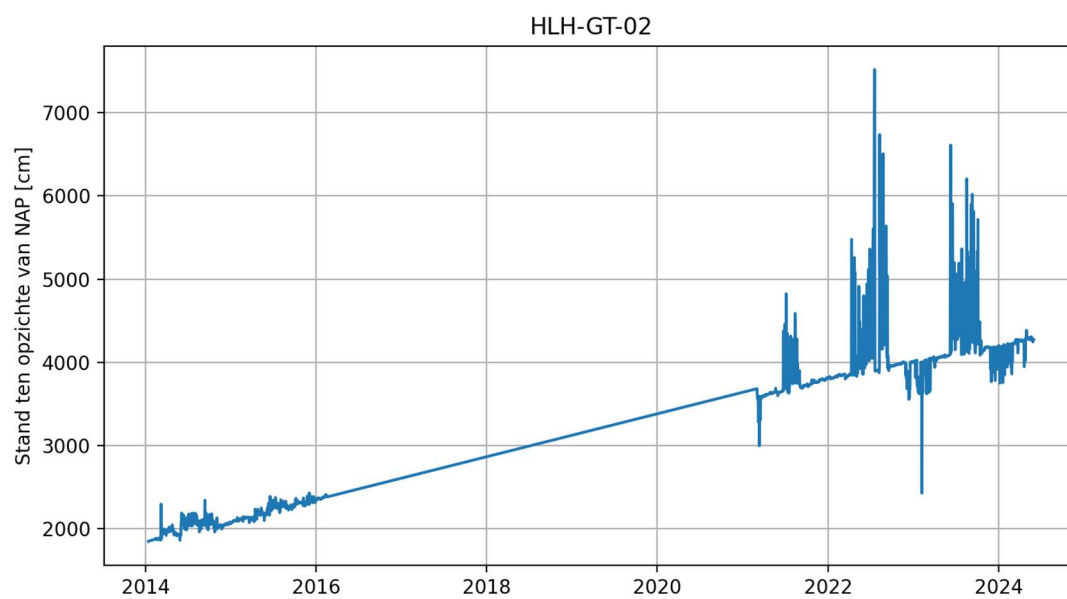








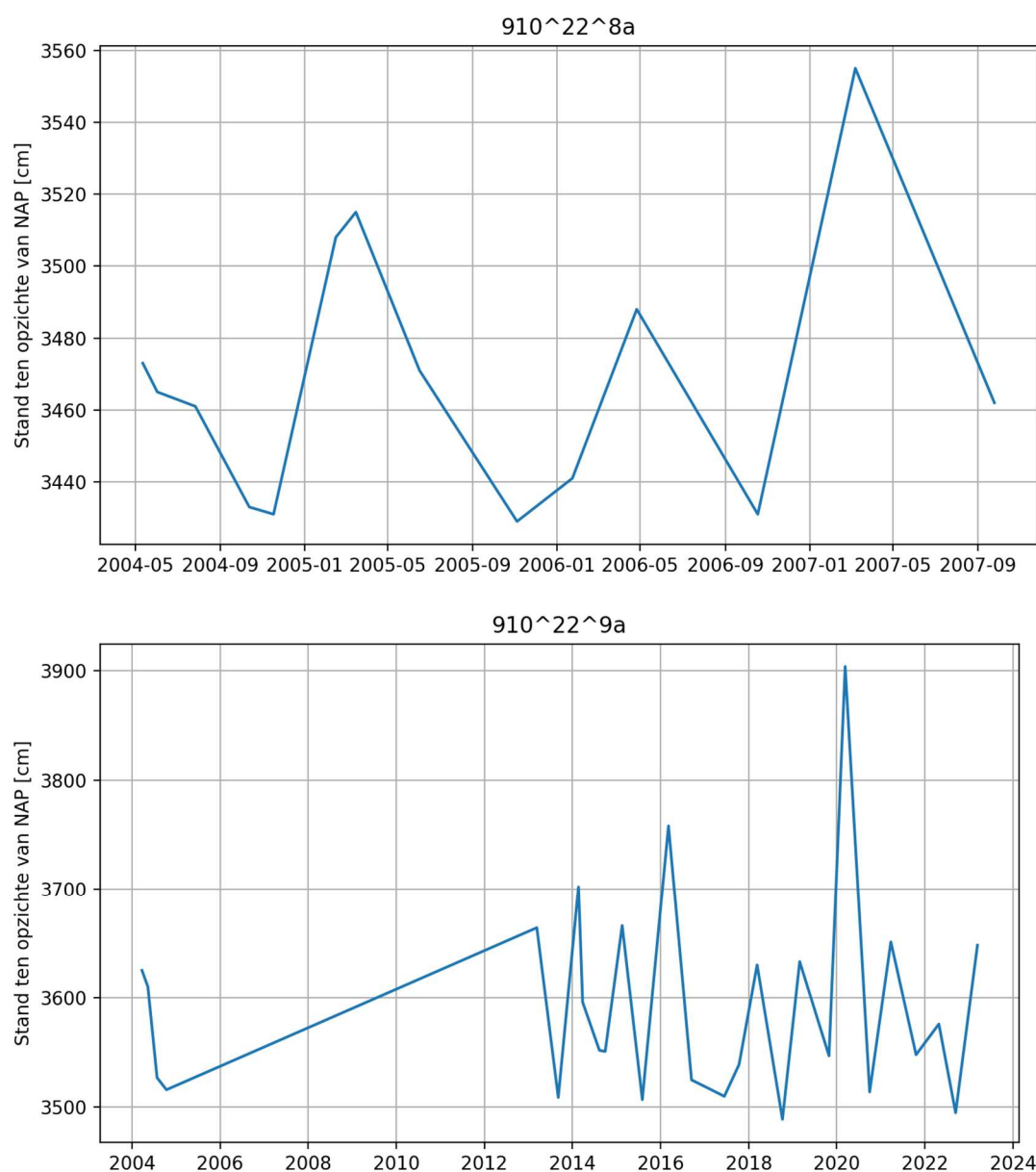


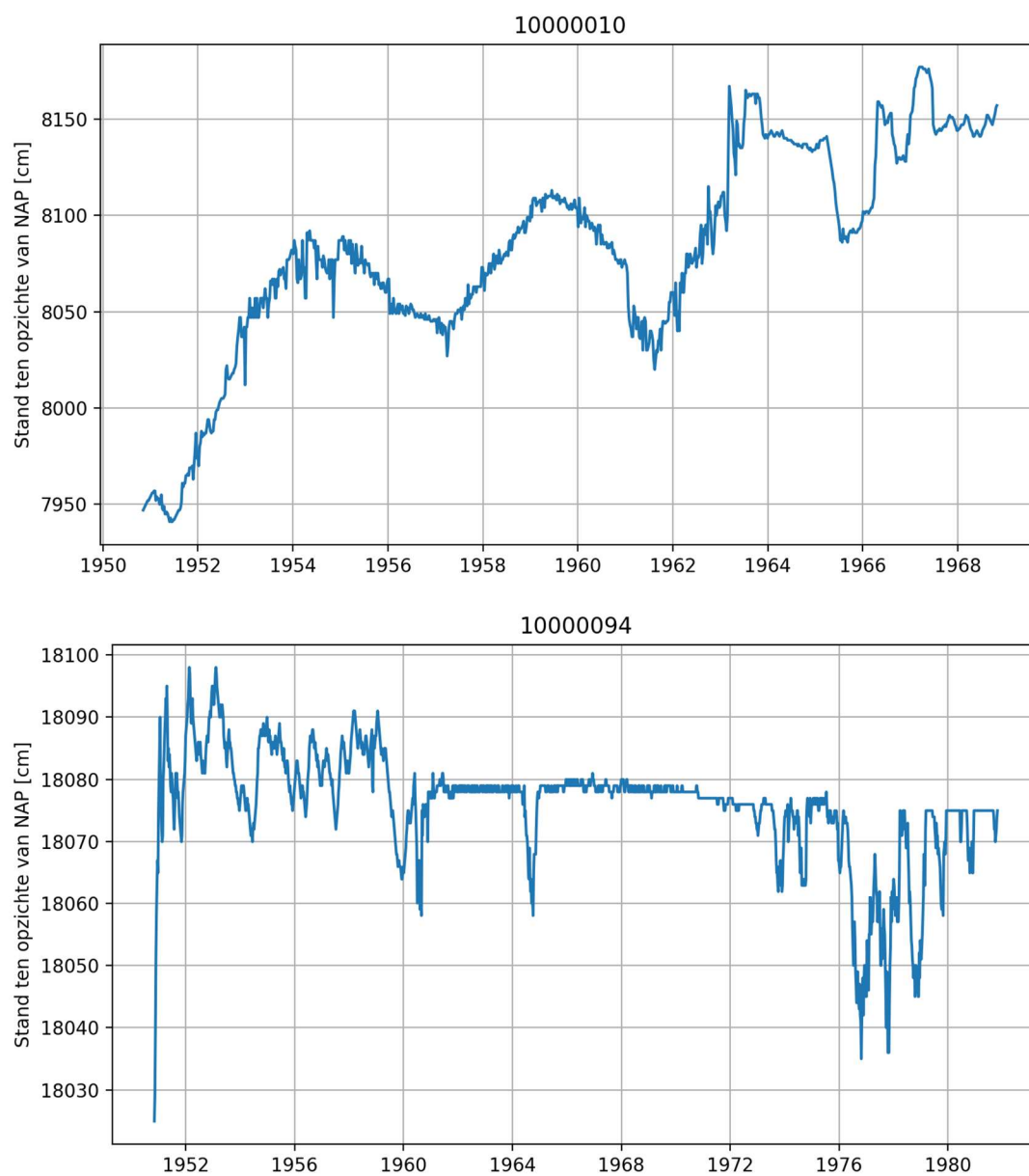


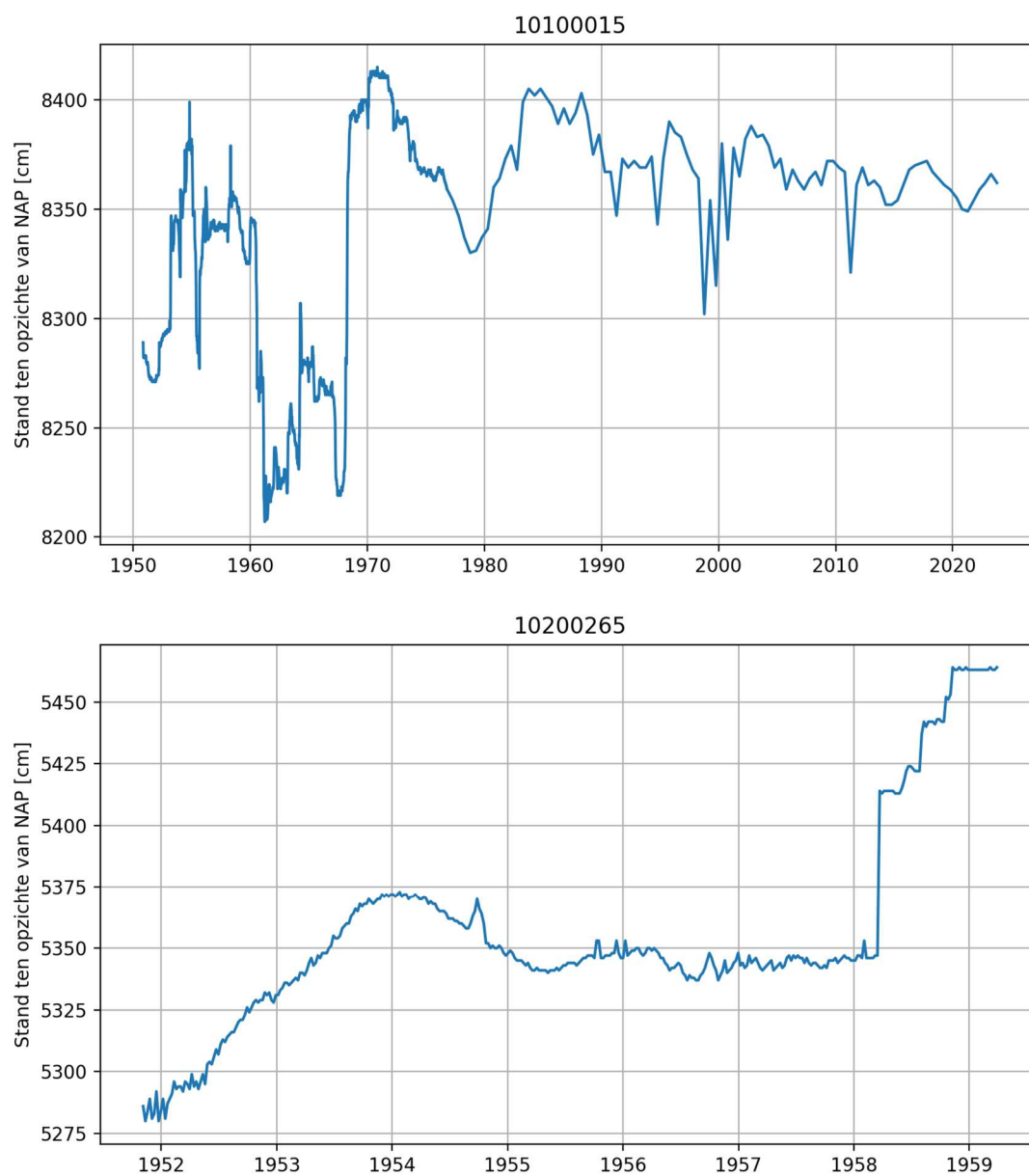


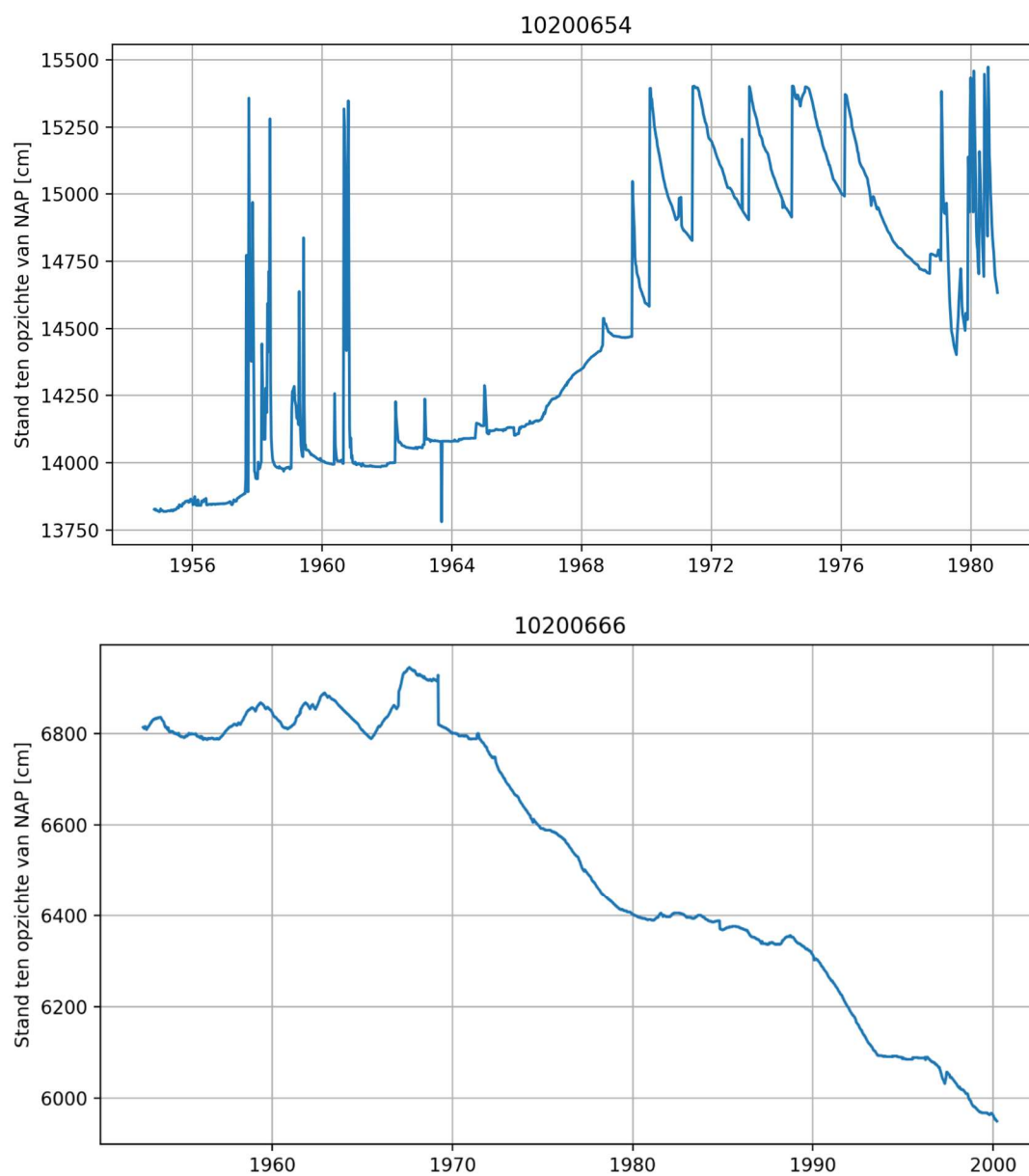
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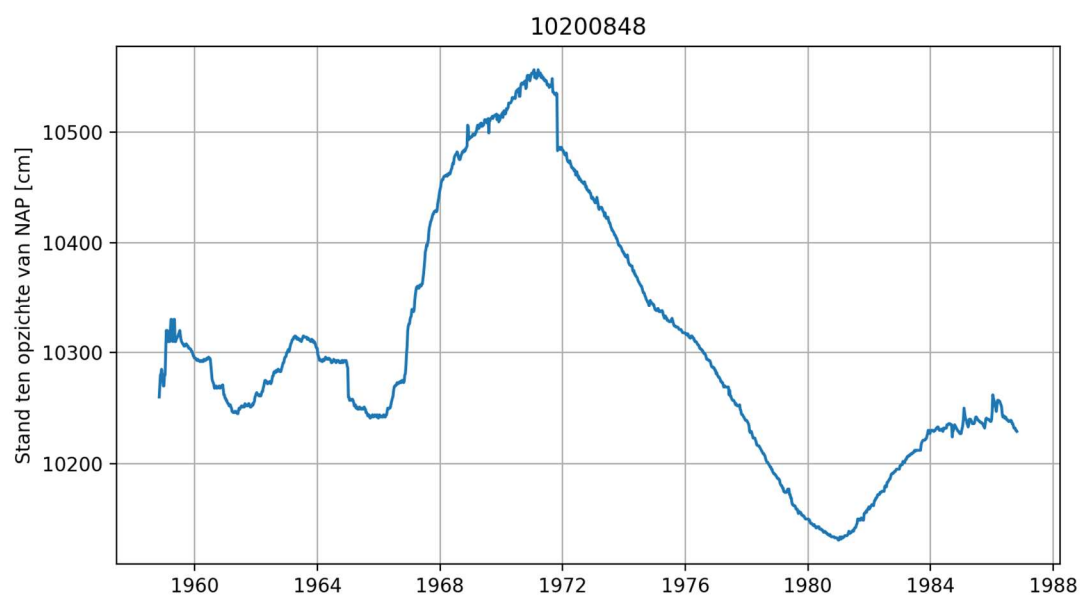
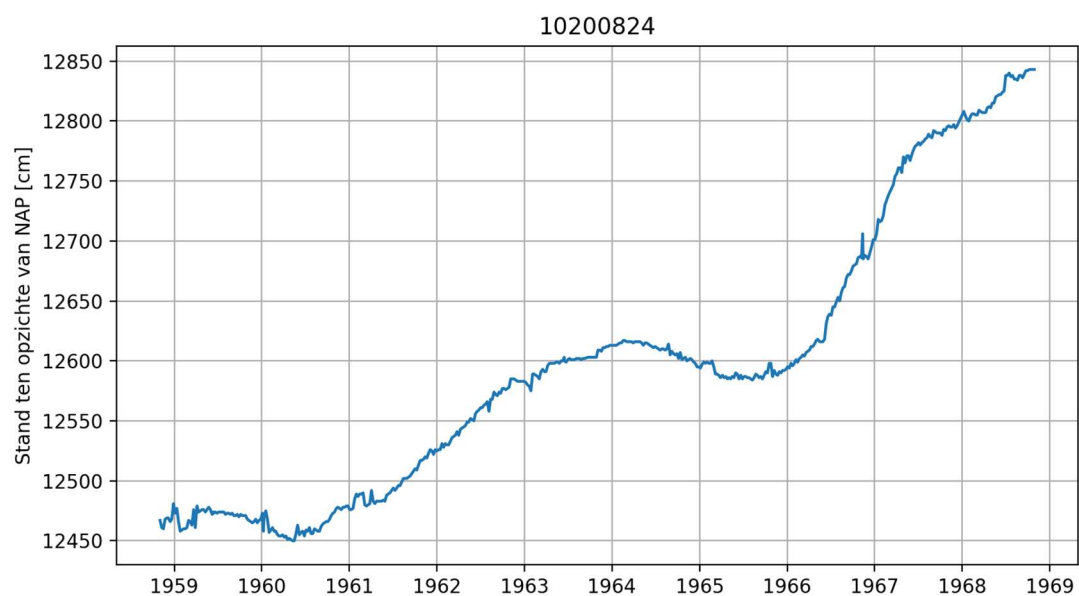
# Grafieken na visuele inspectie verwijderde meetreeksen

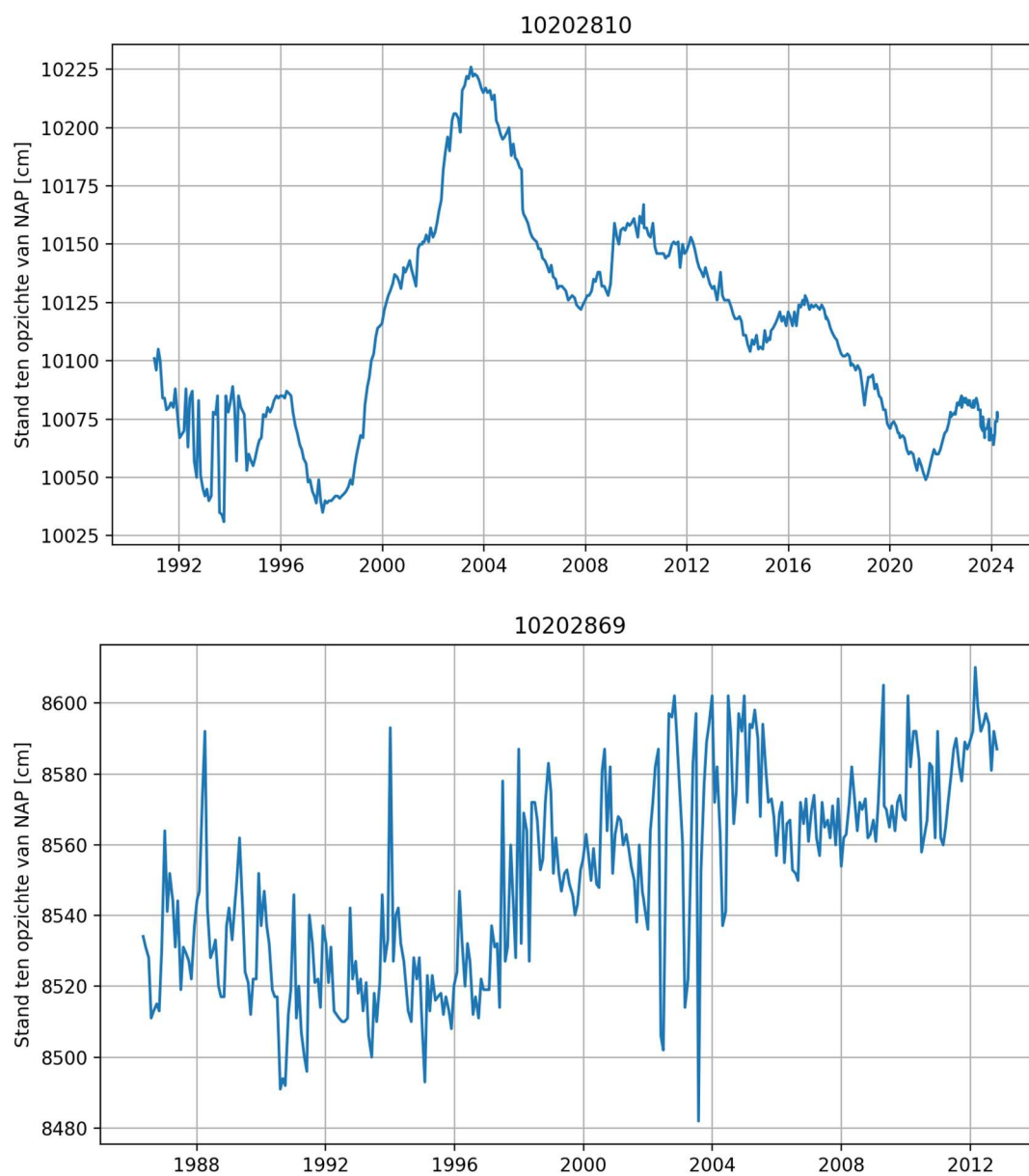


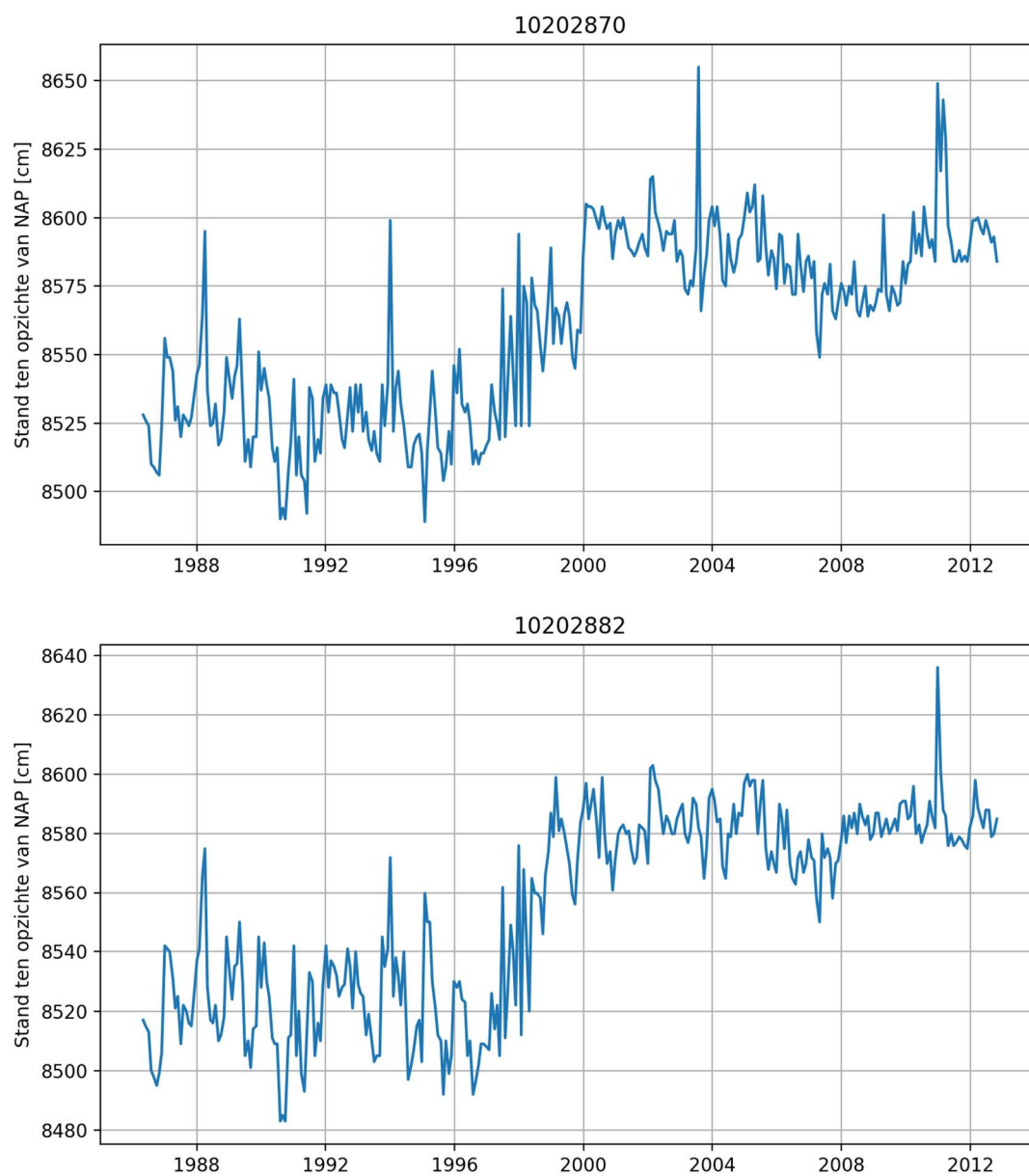


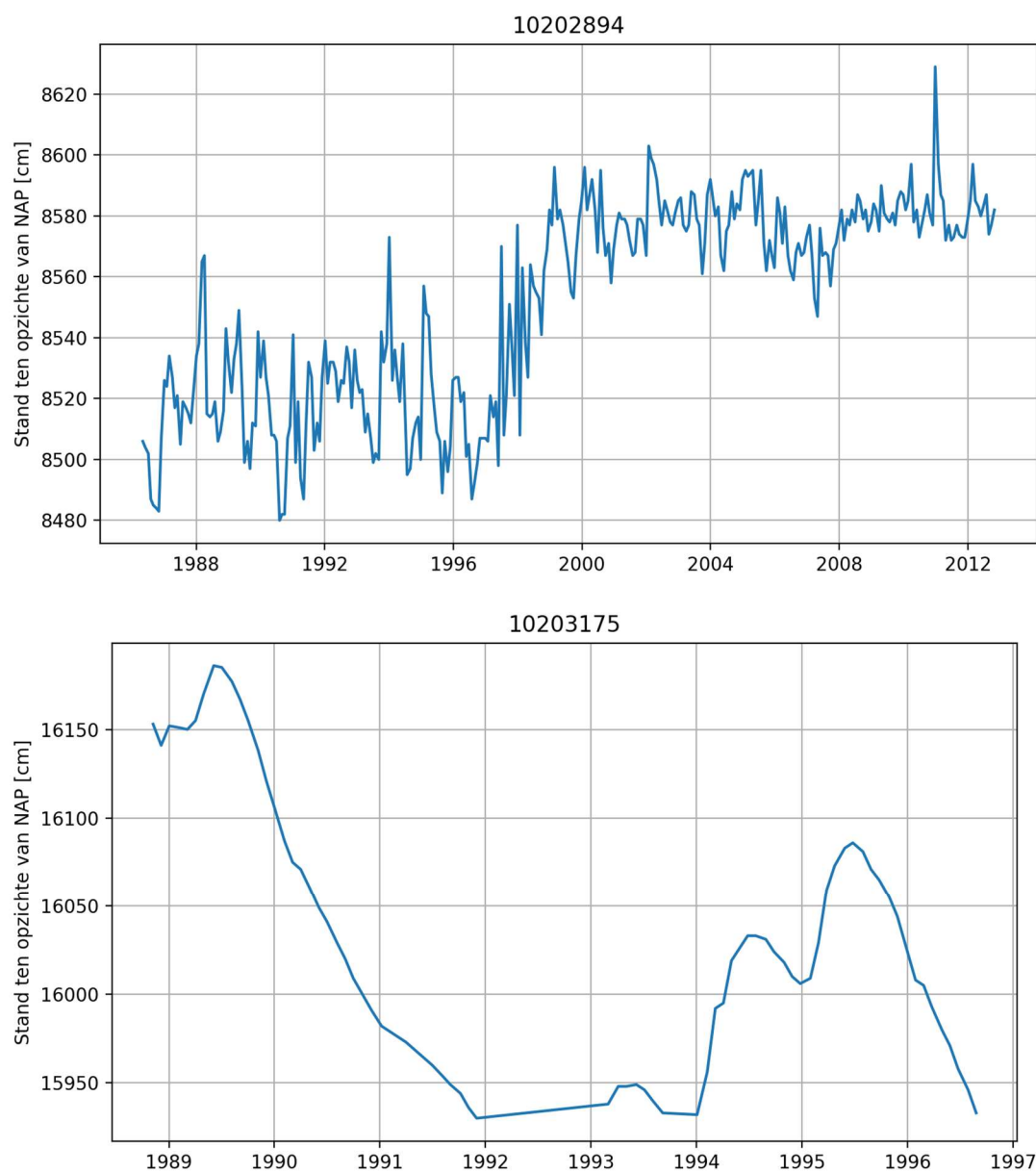




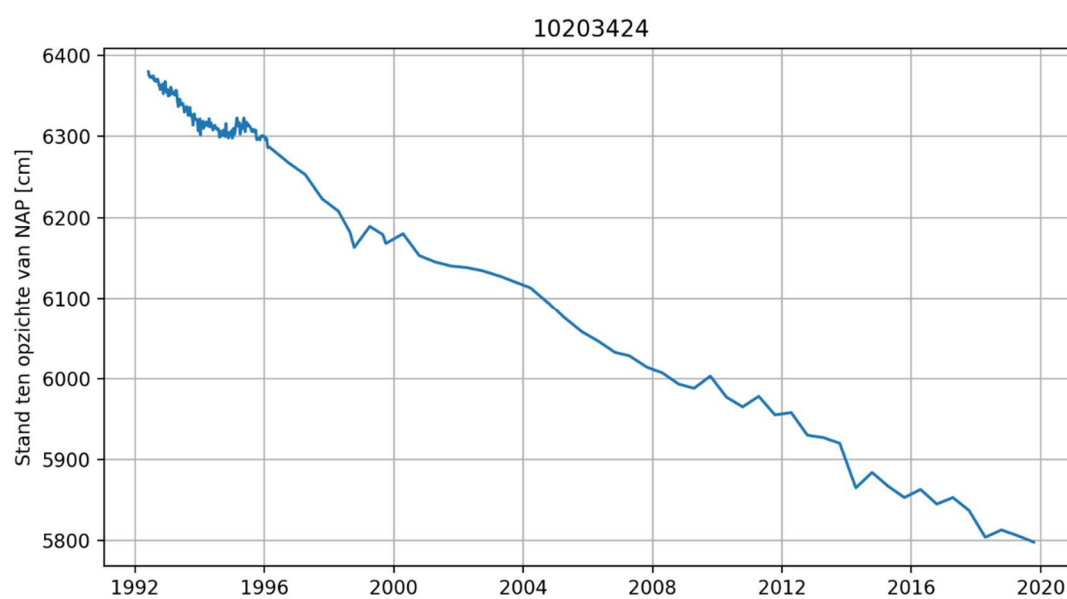
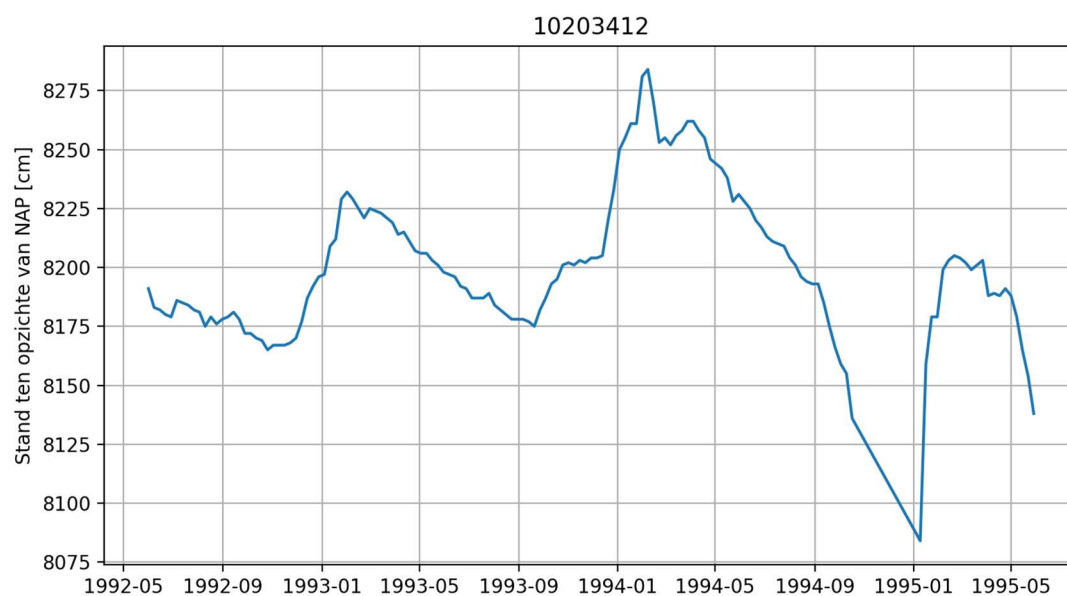


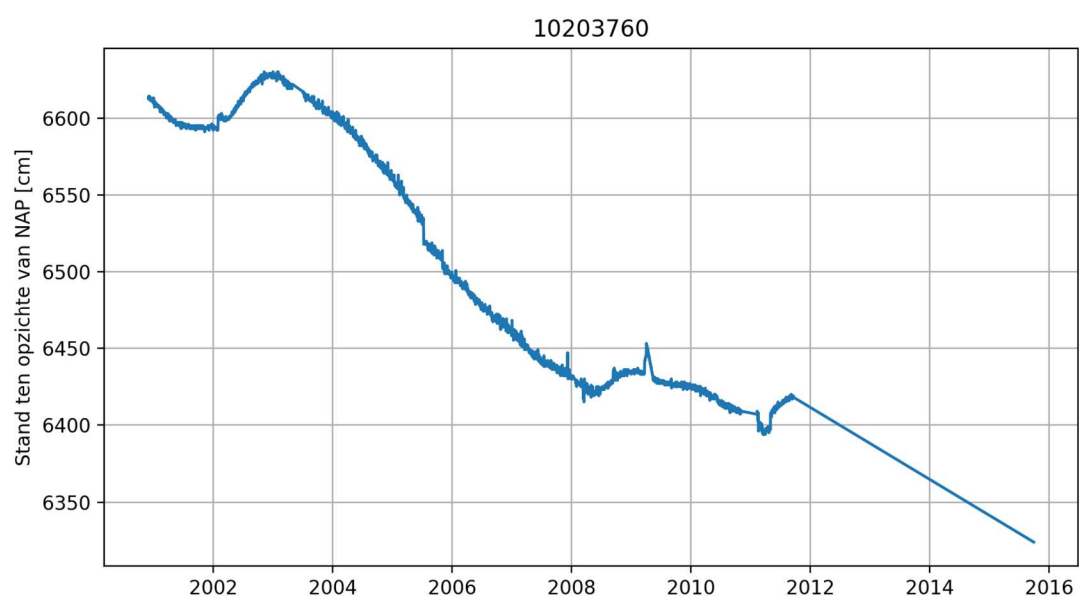
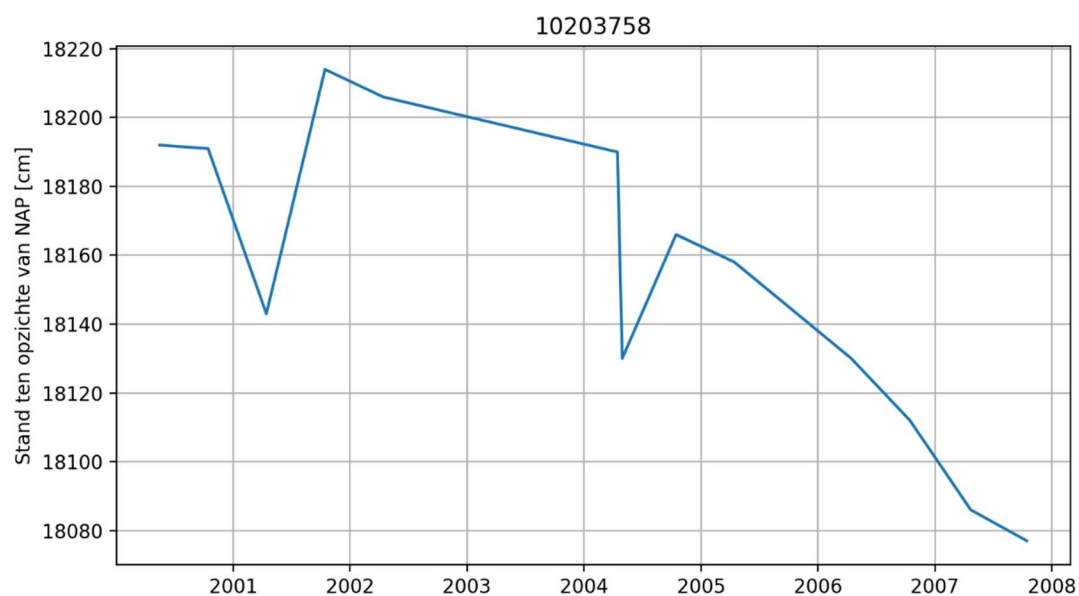


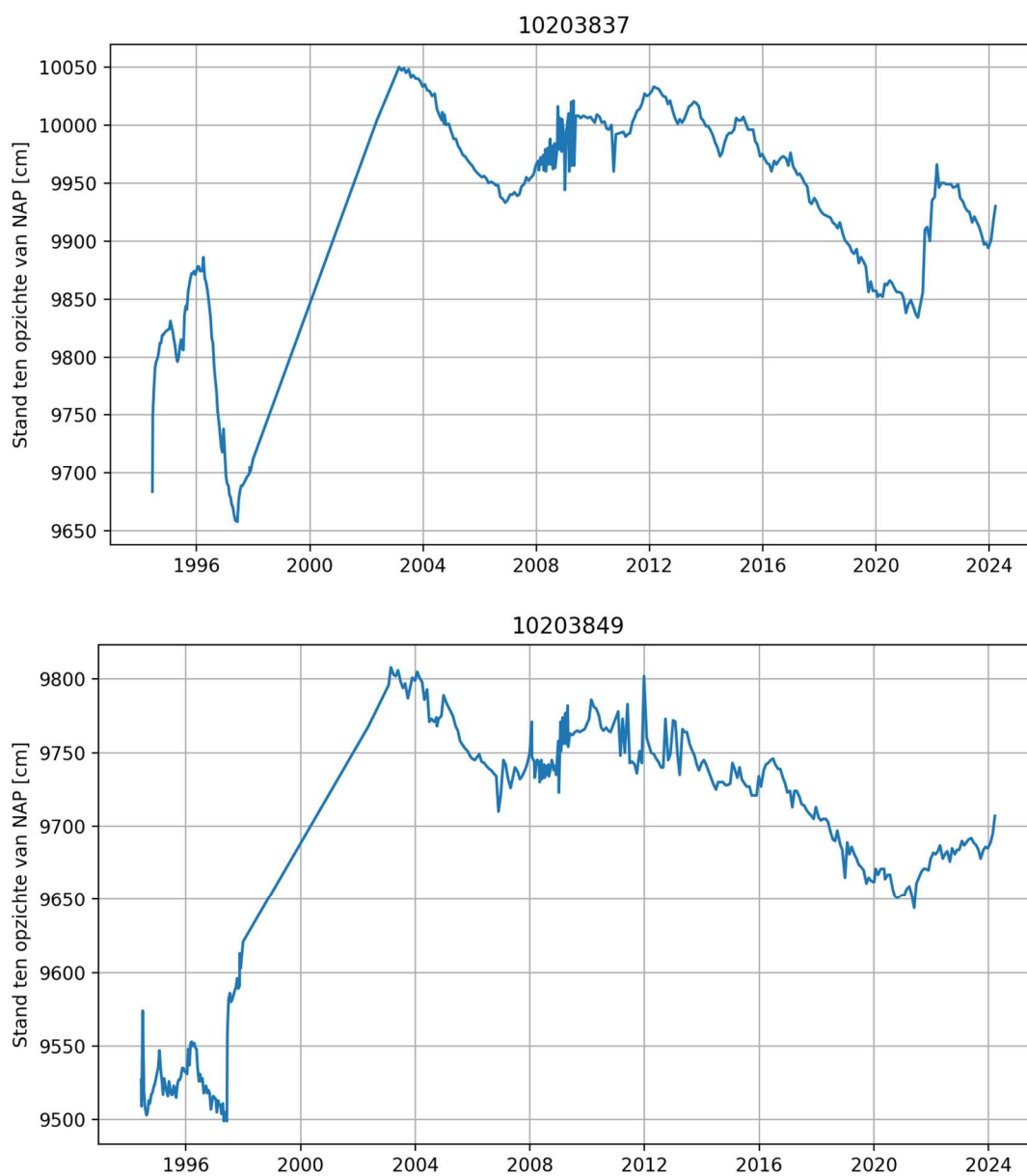


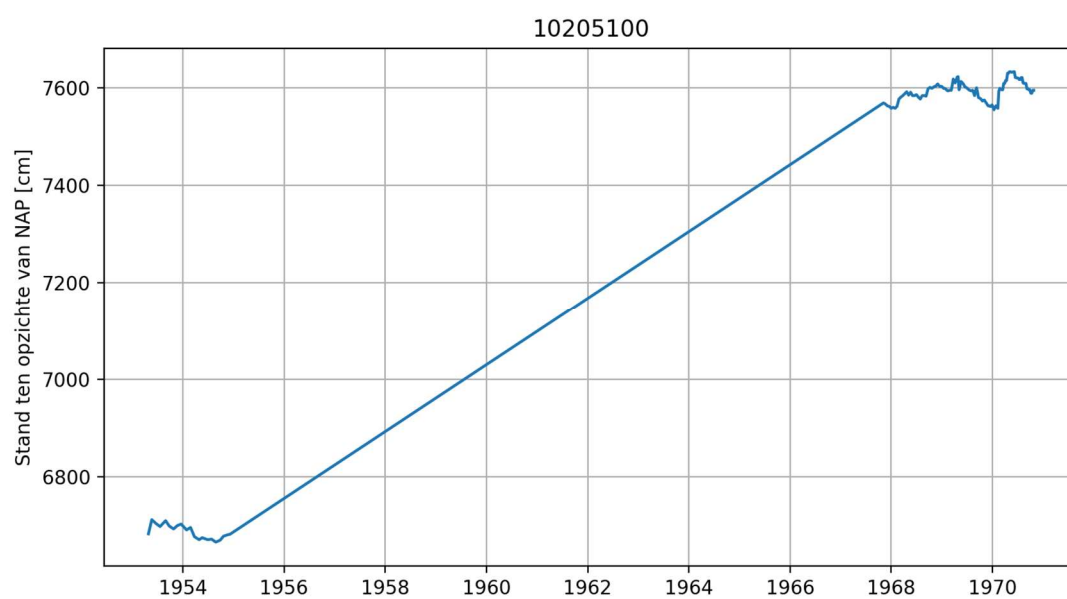
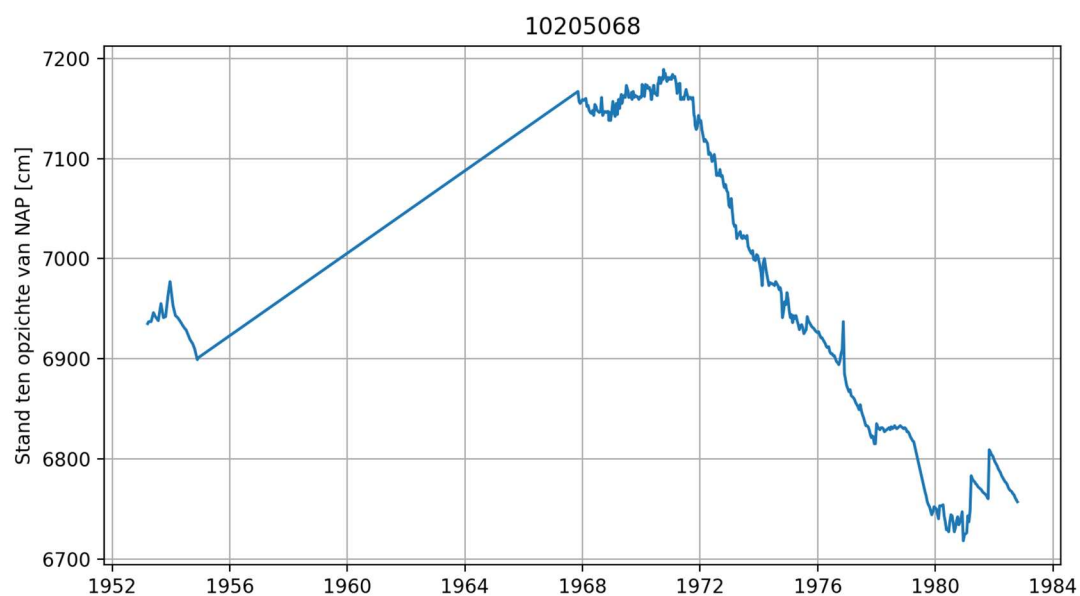


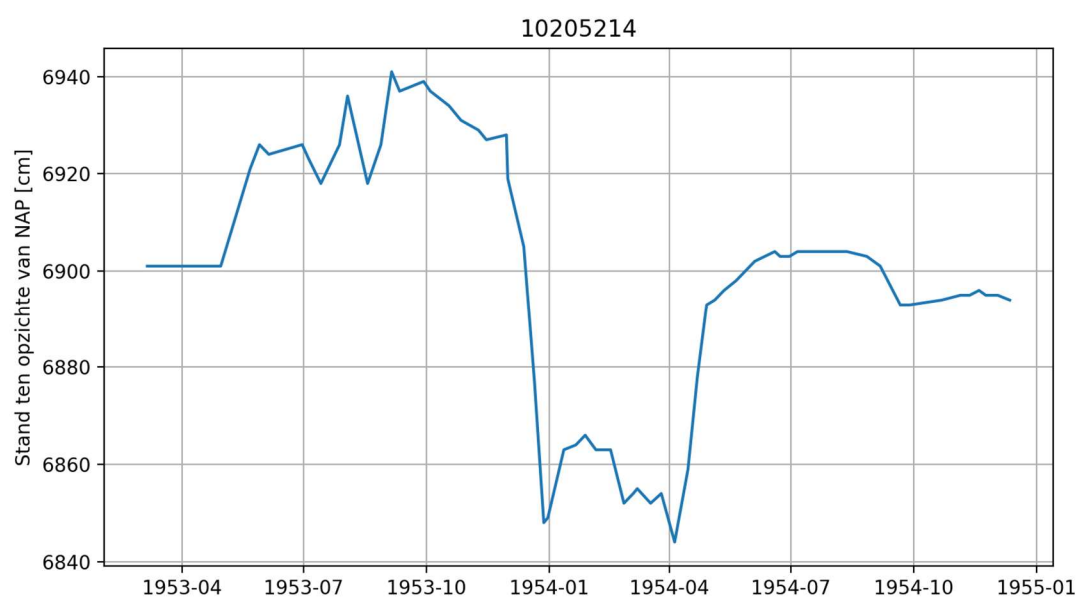
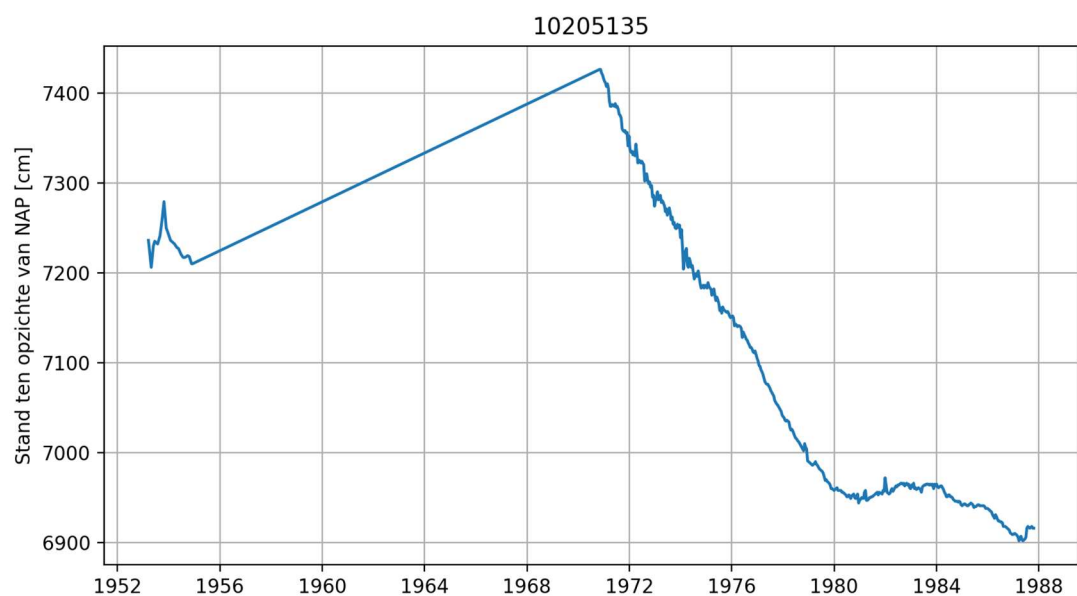


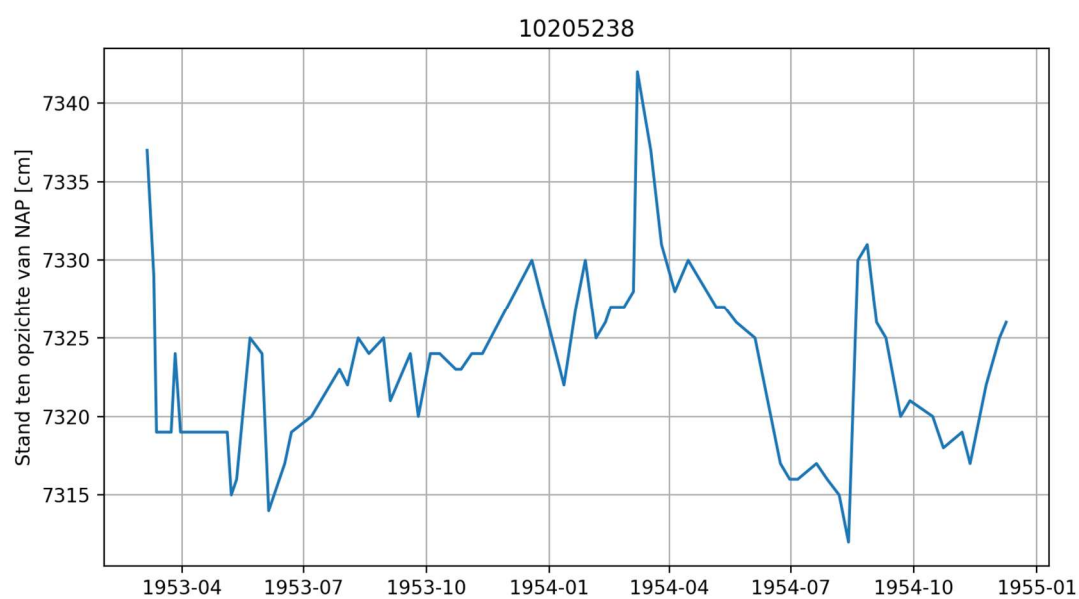
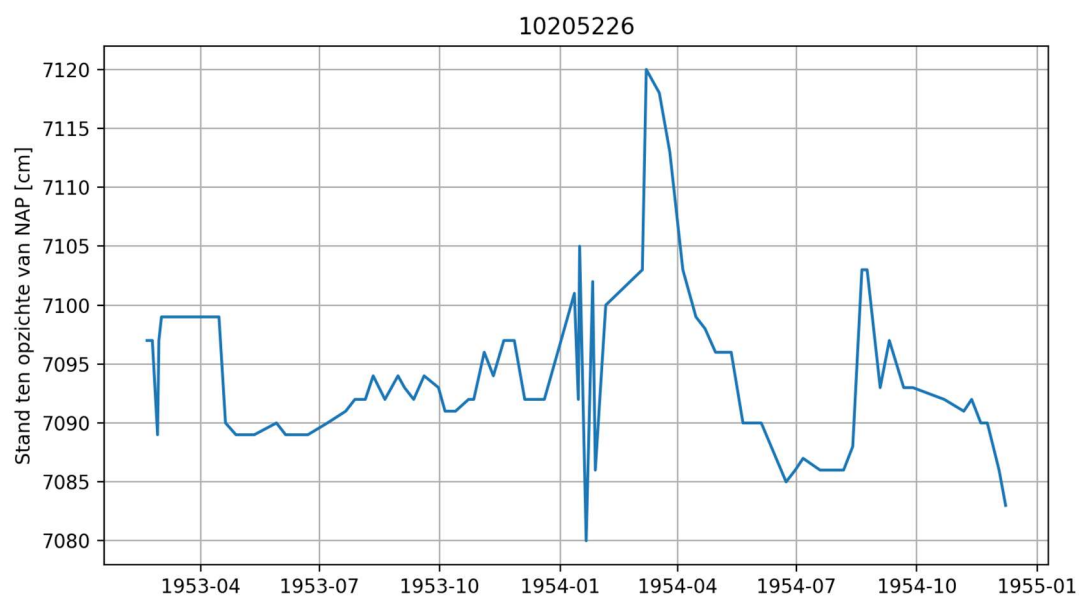


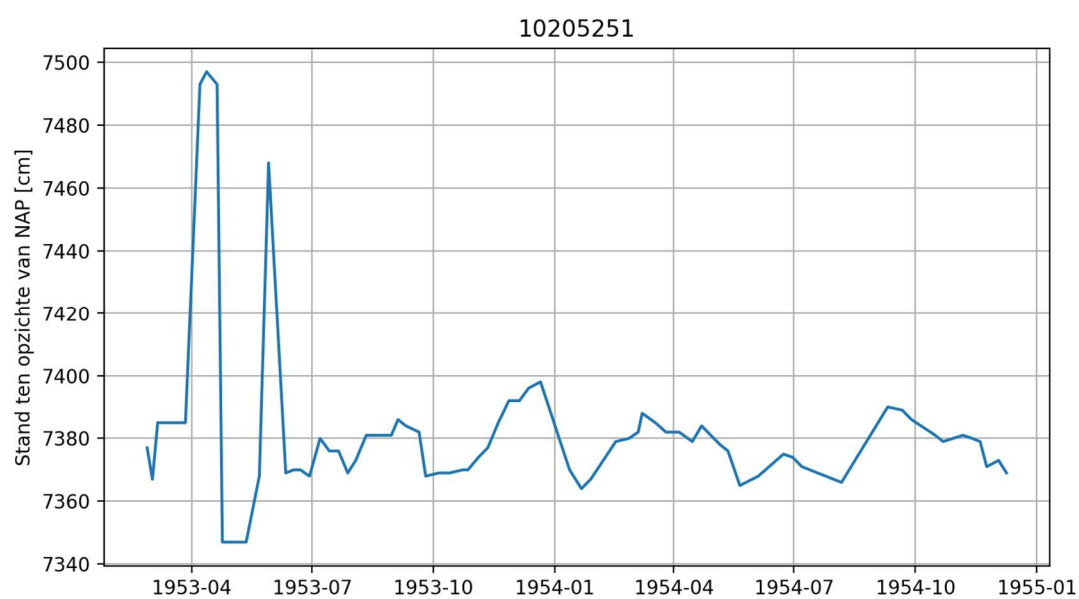
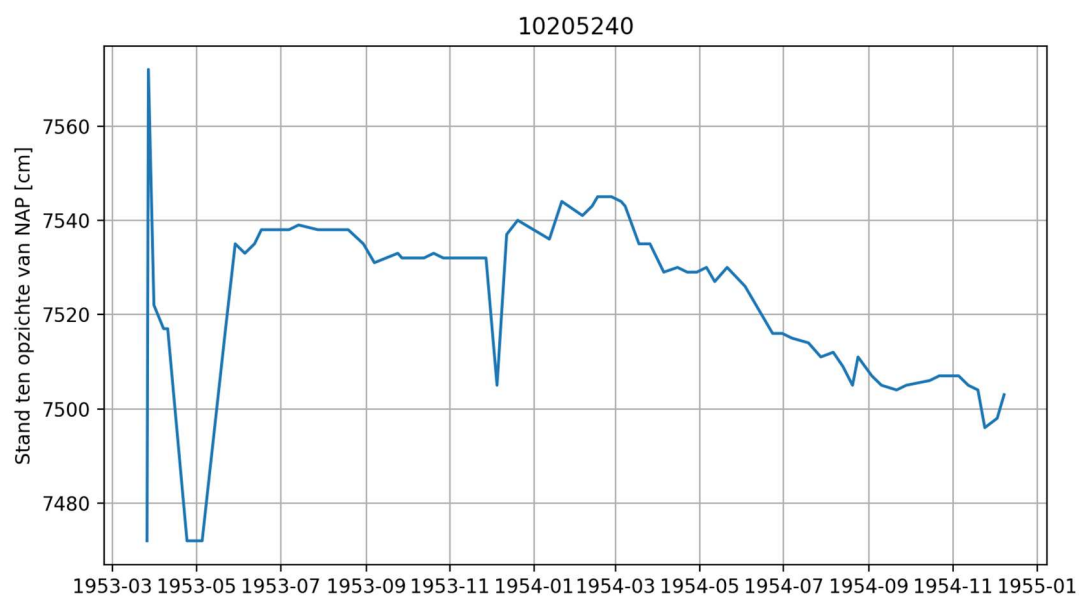


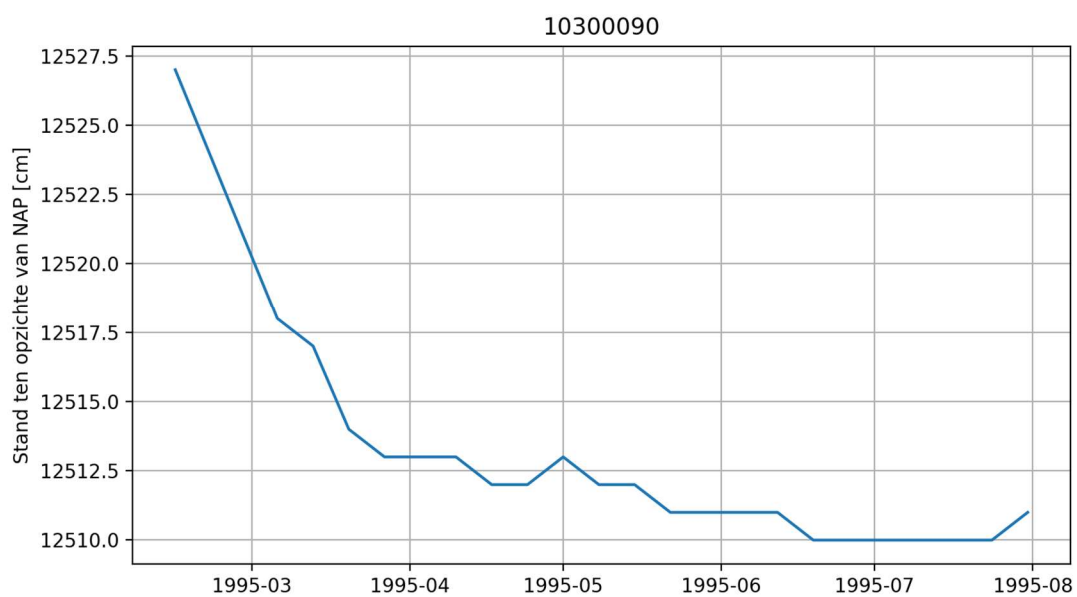
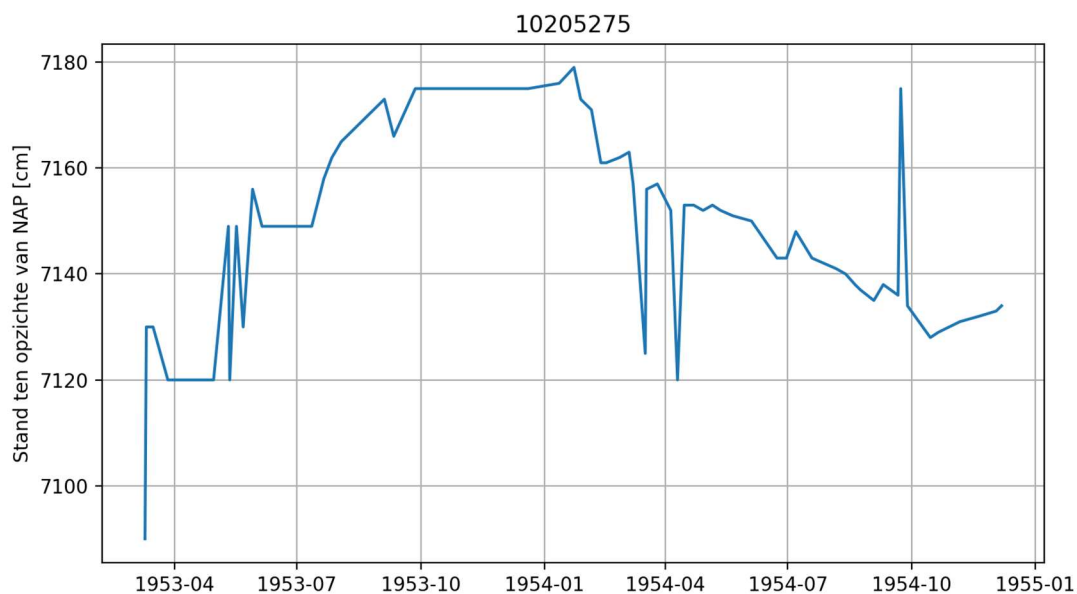




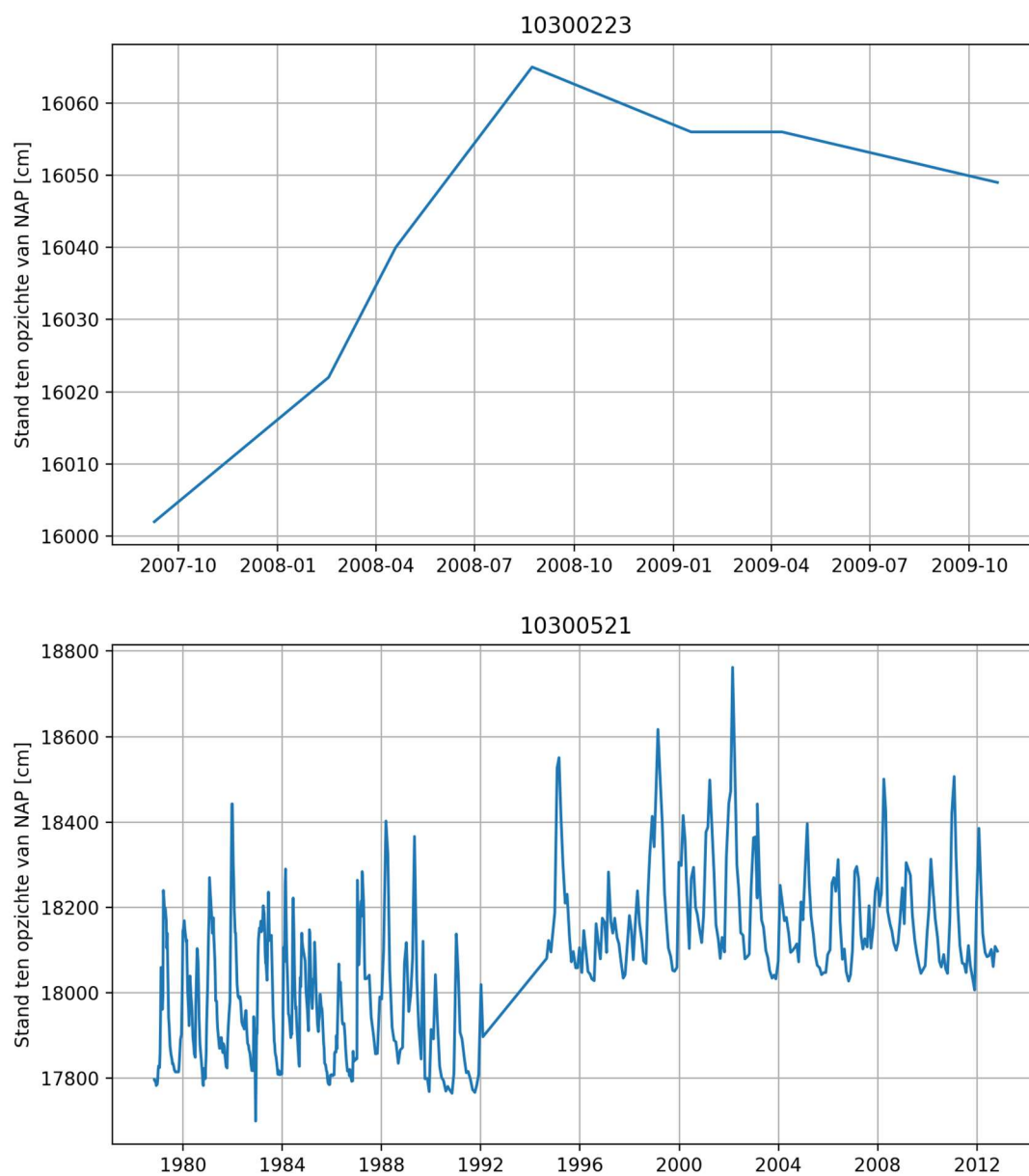


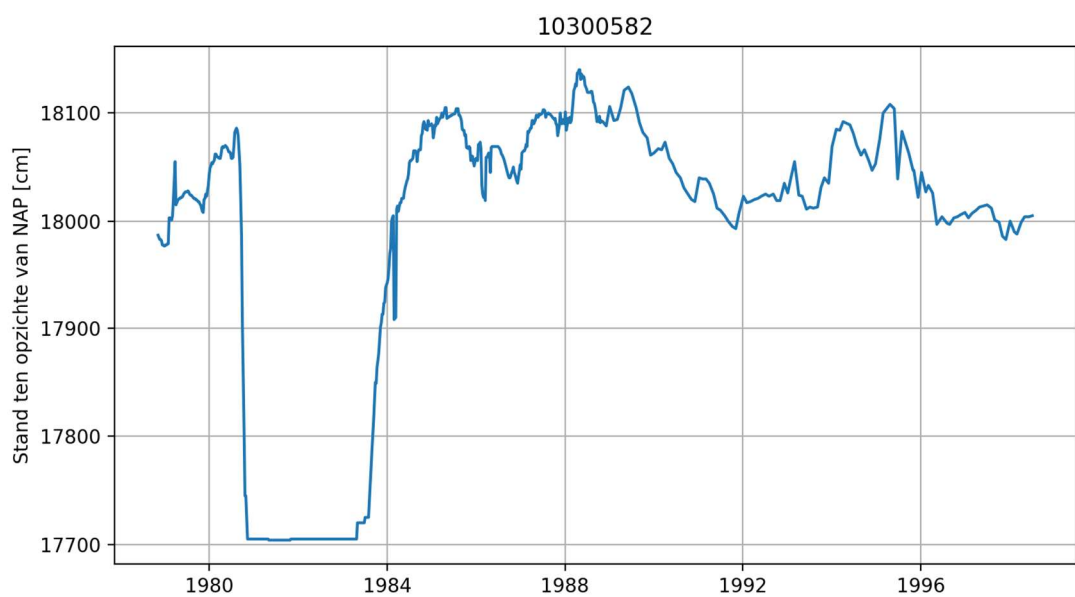
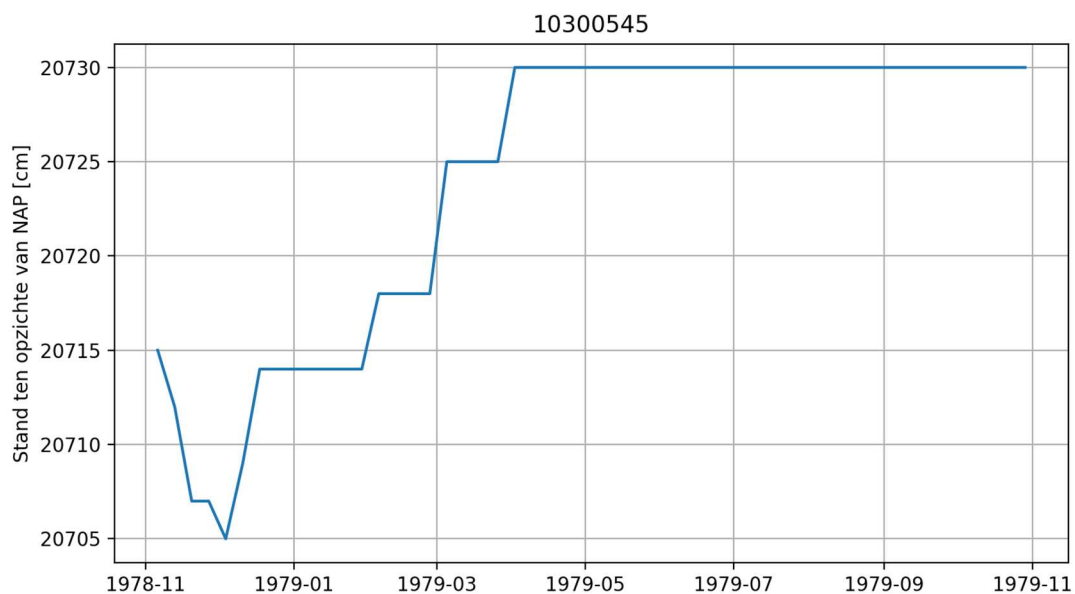


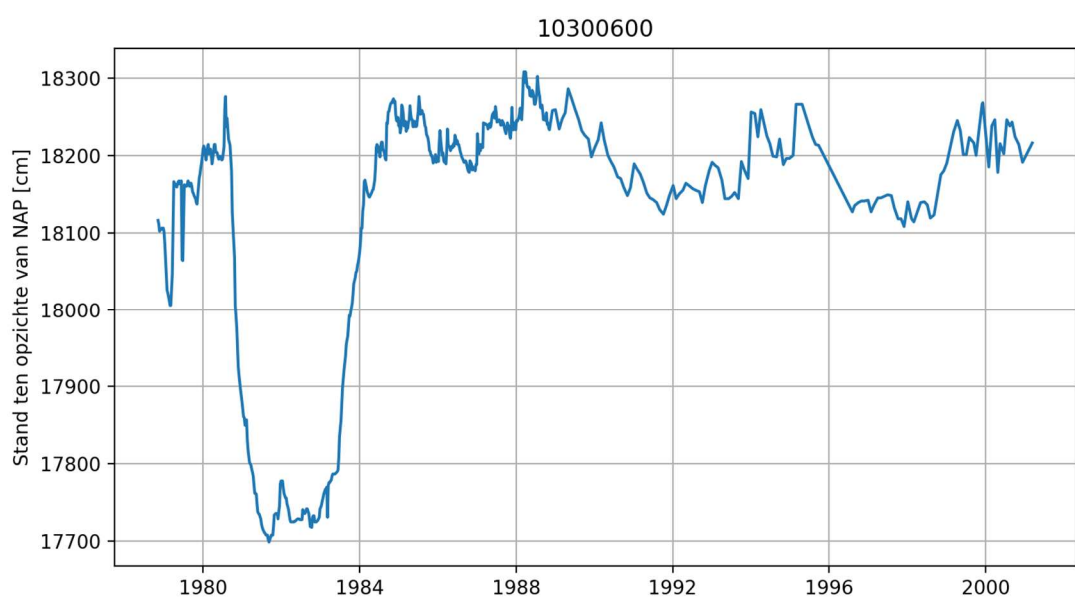
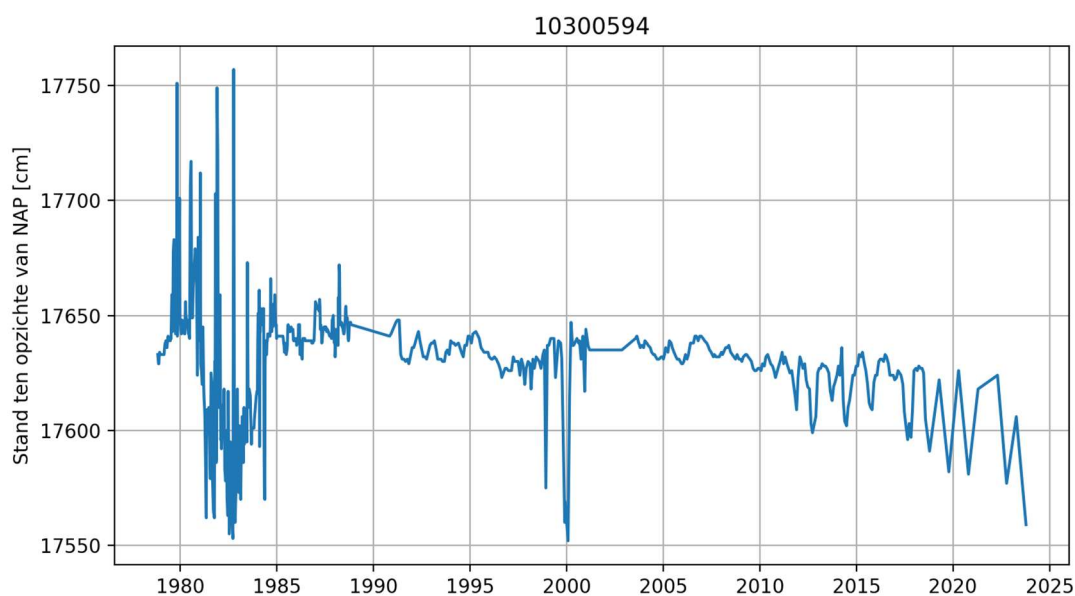


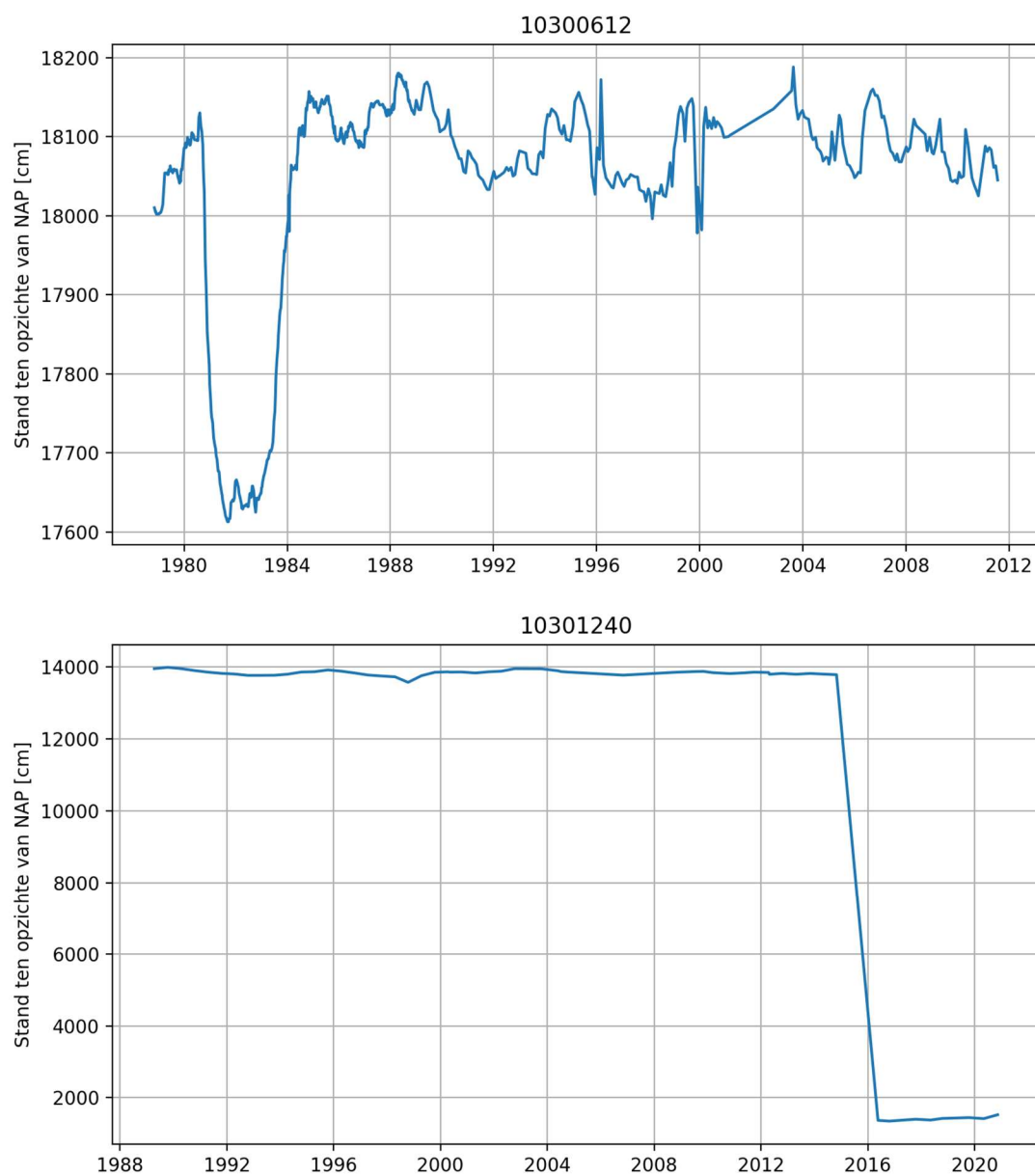


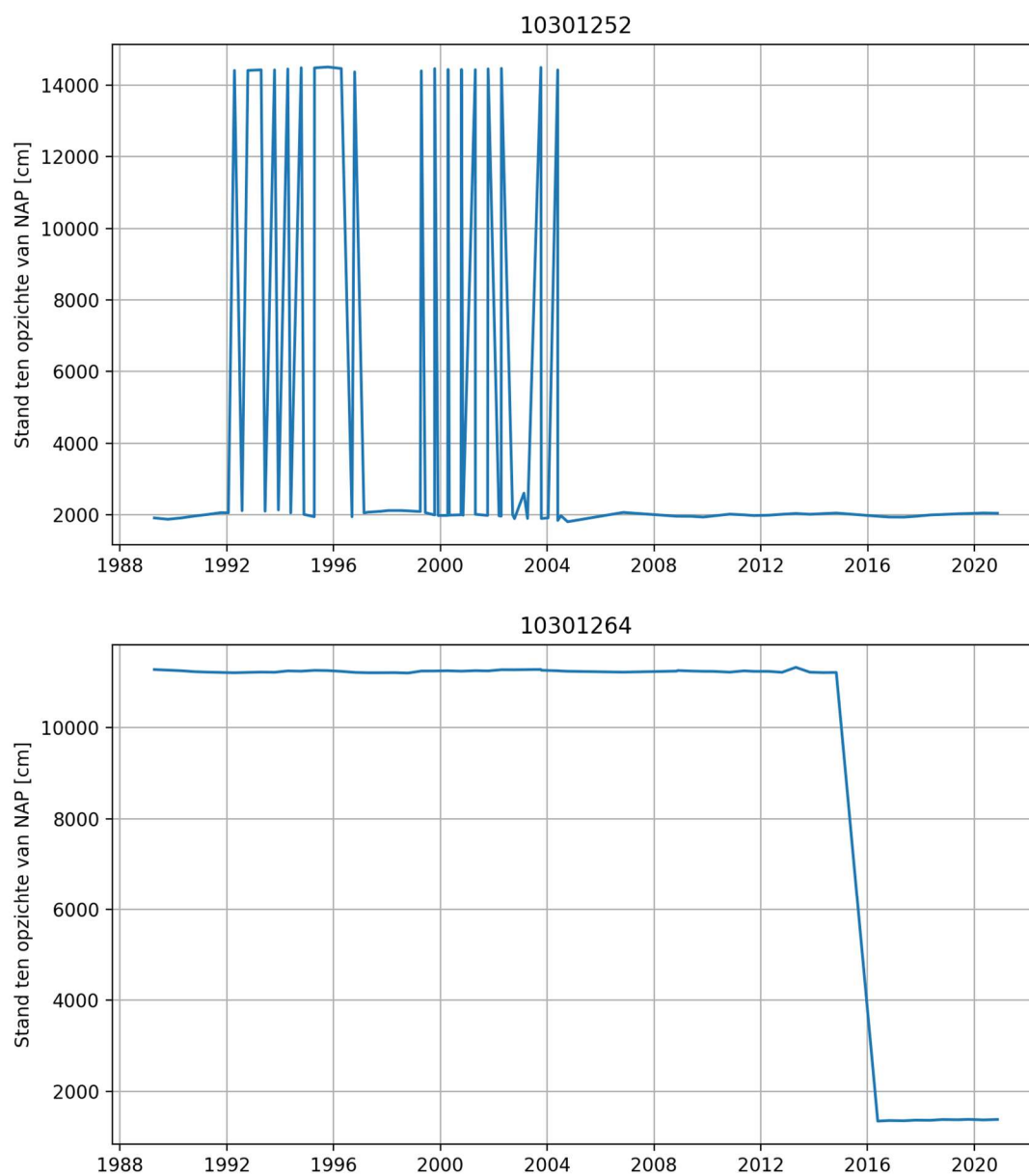


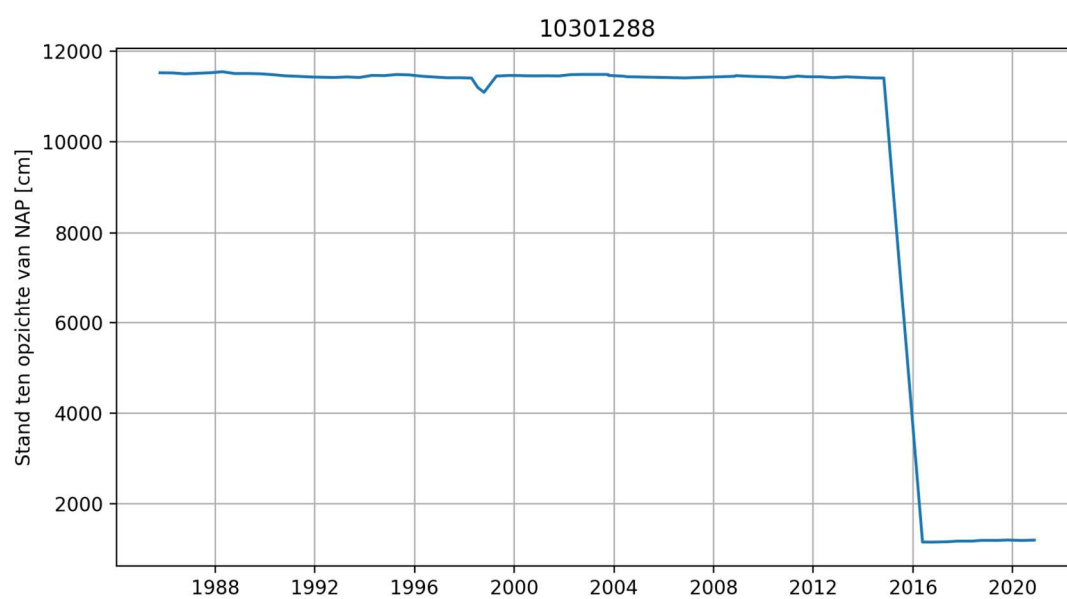
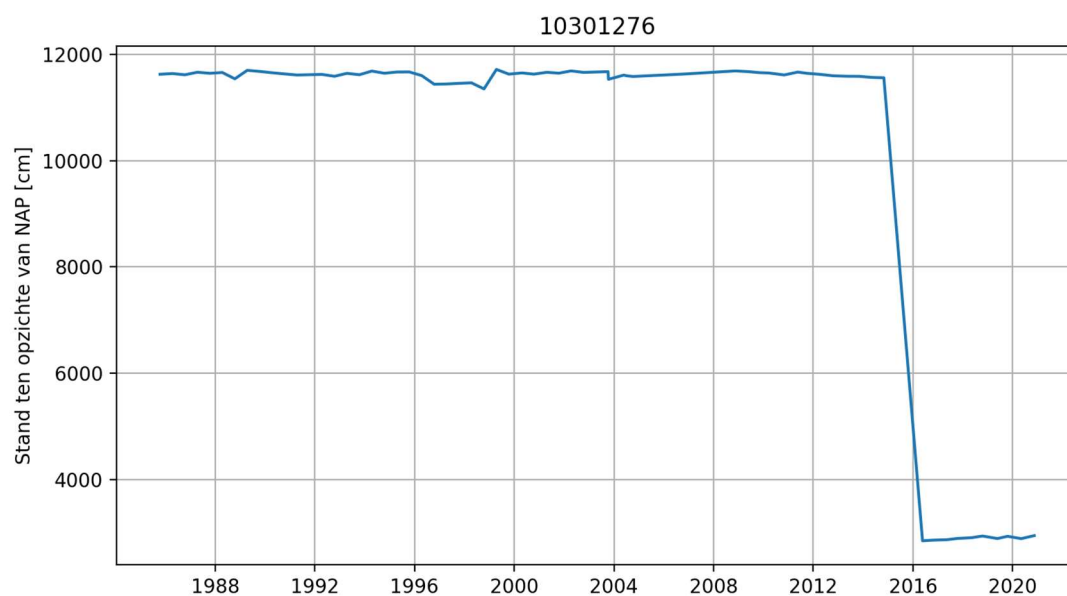


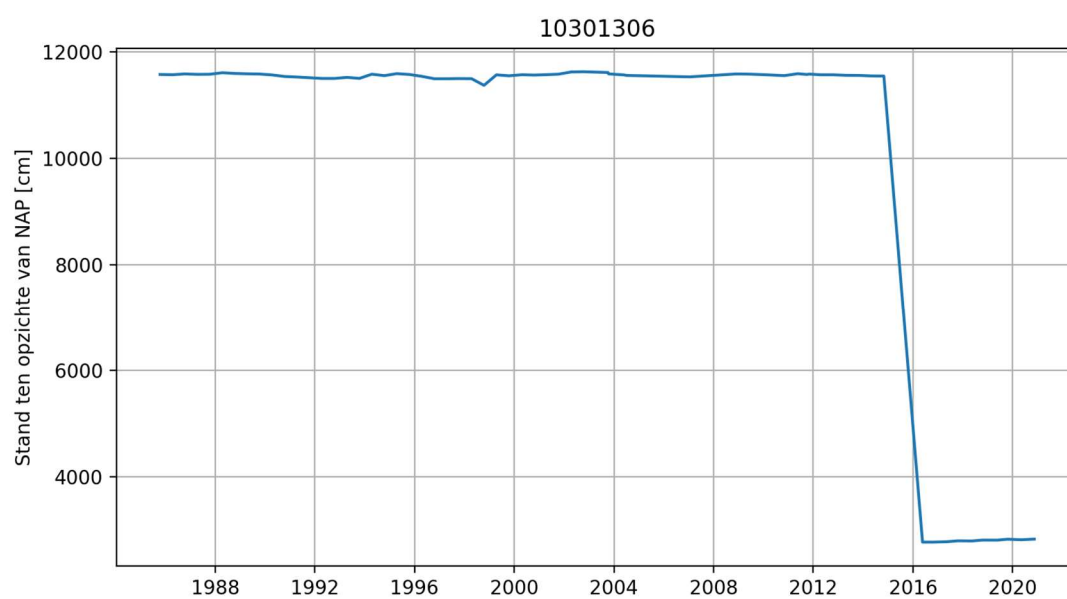
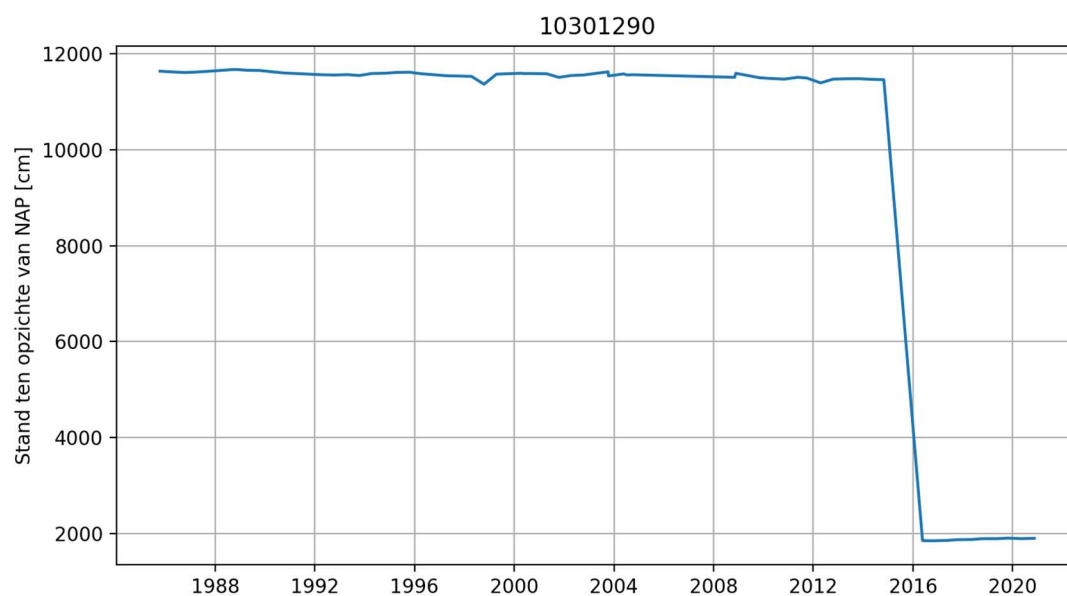


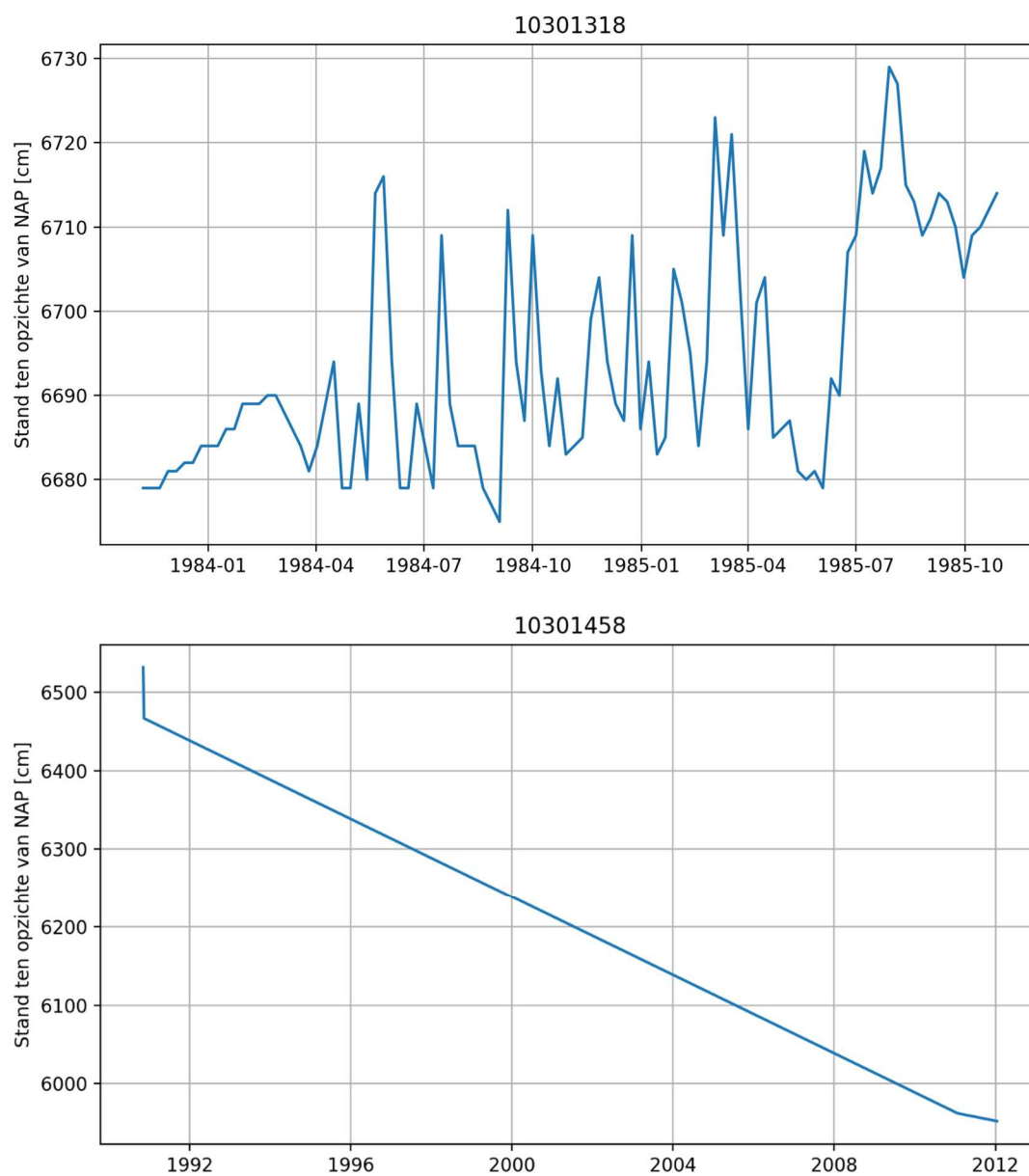






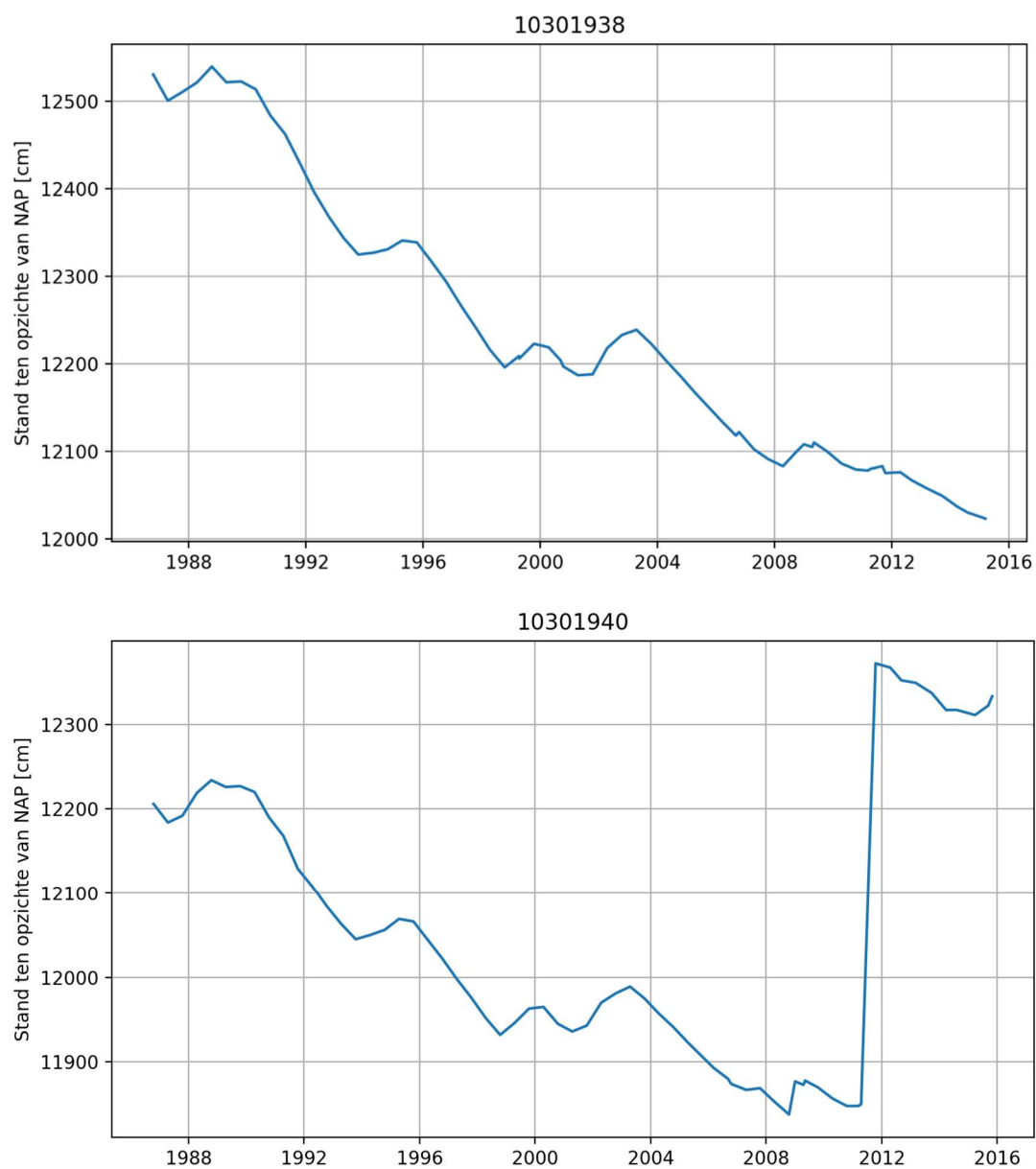


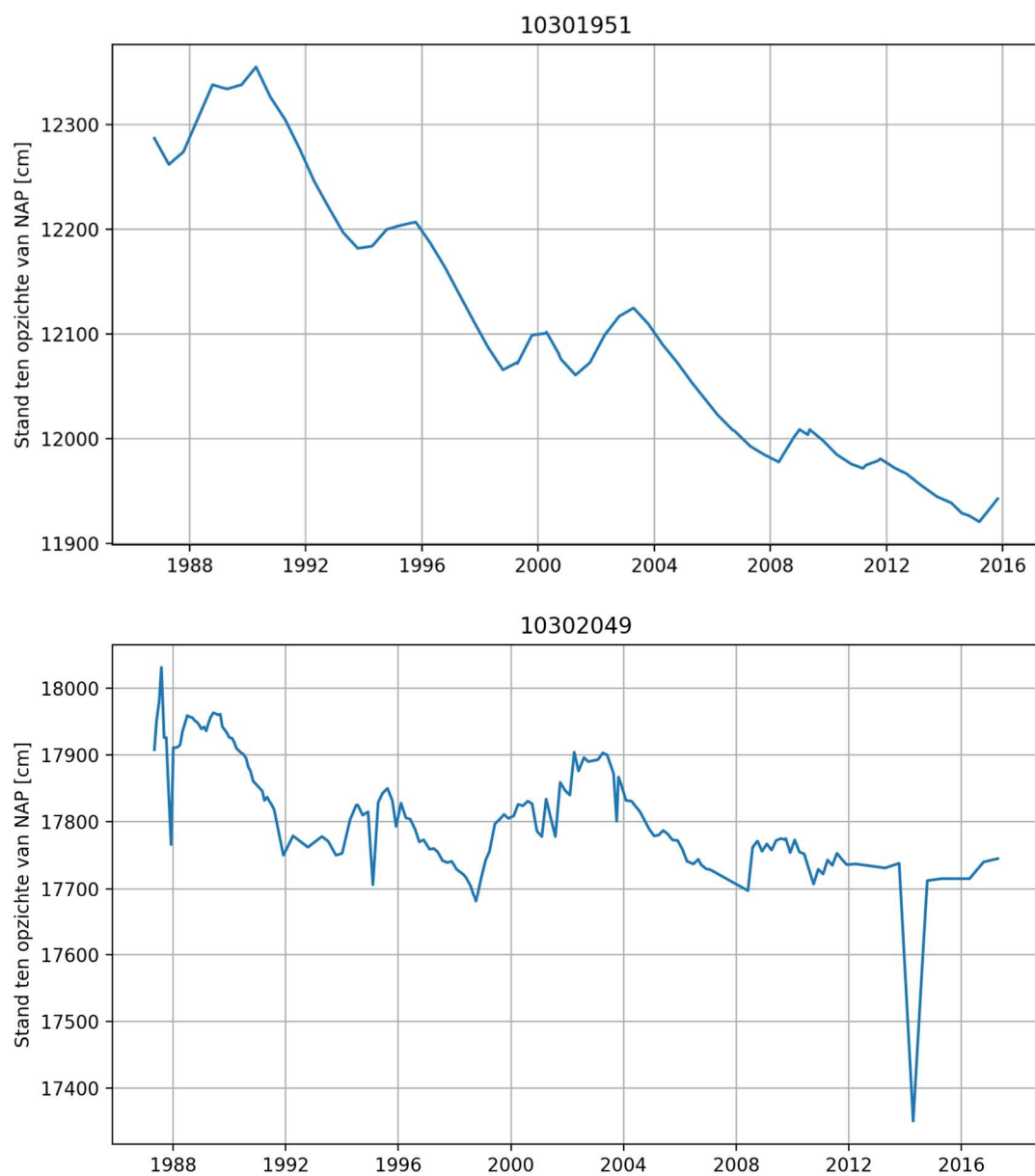


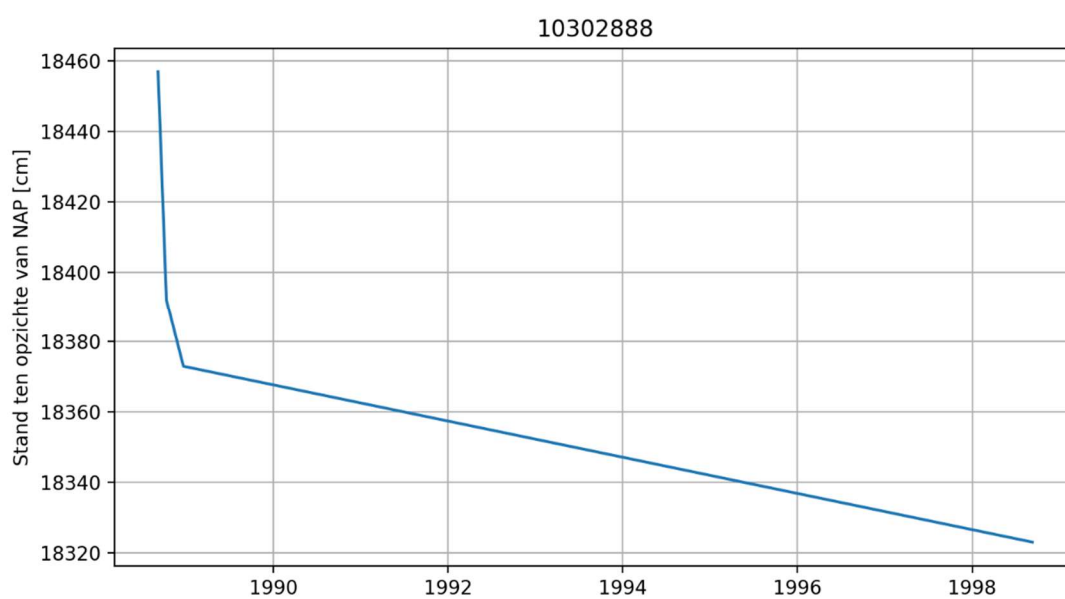
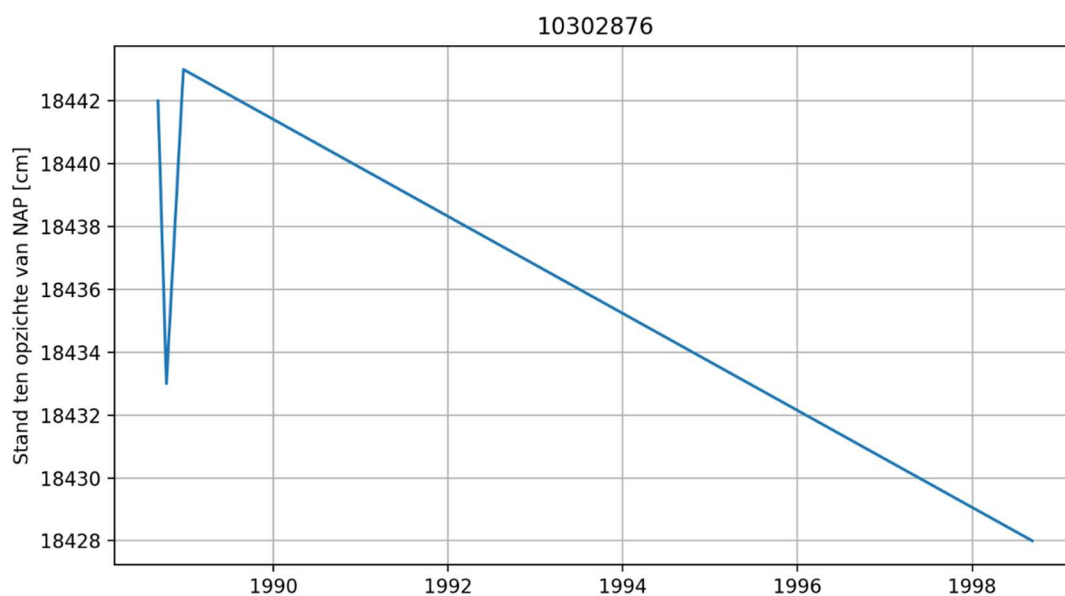


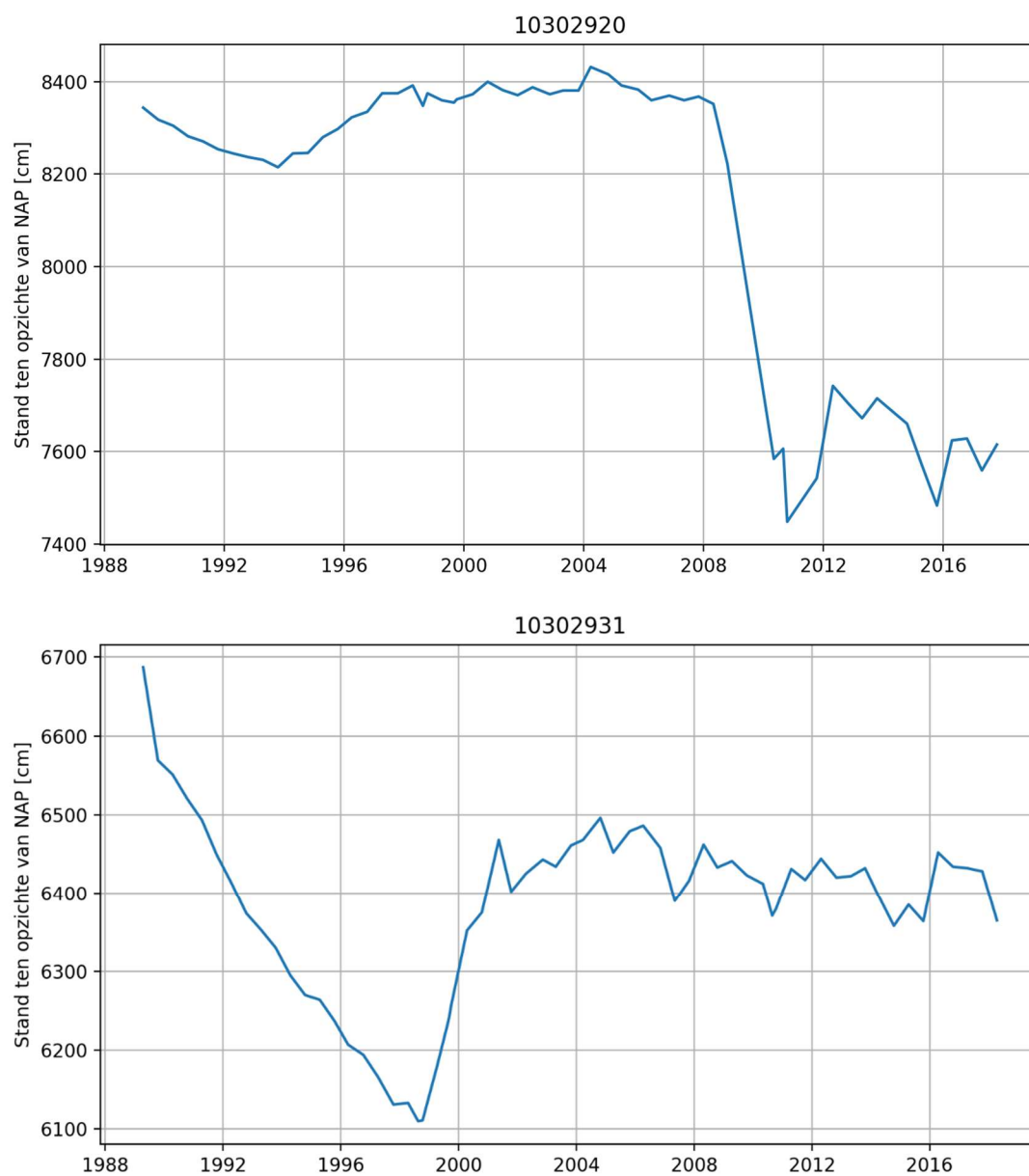


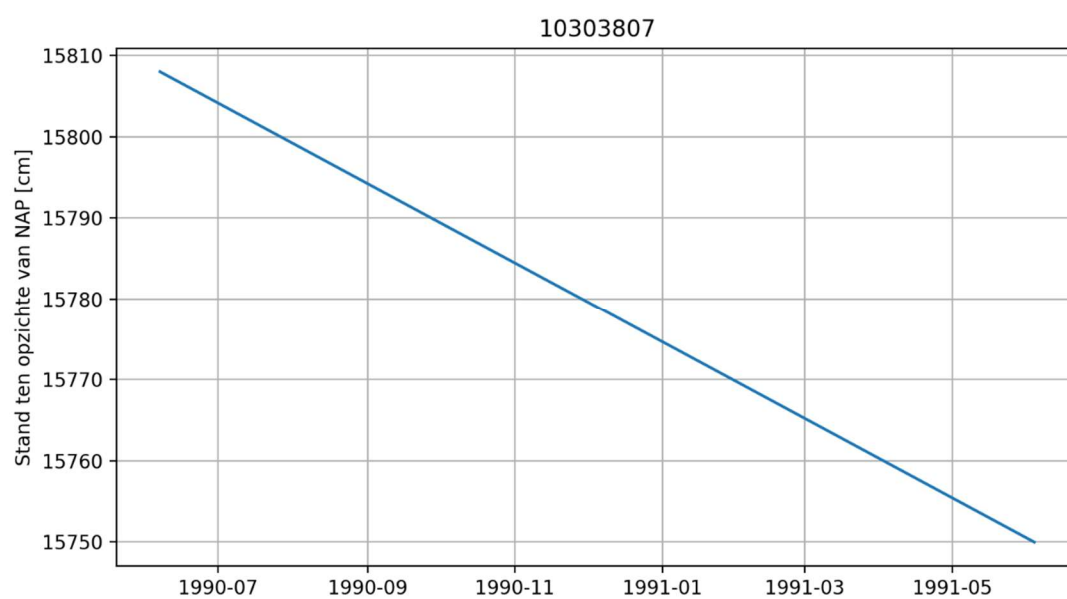
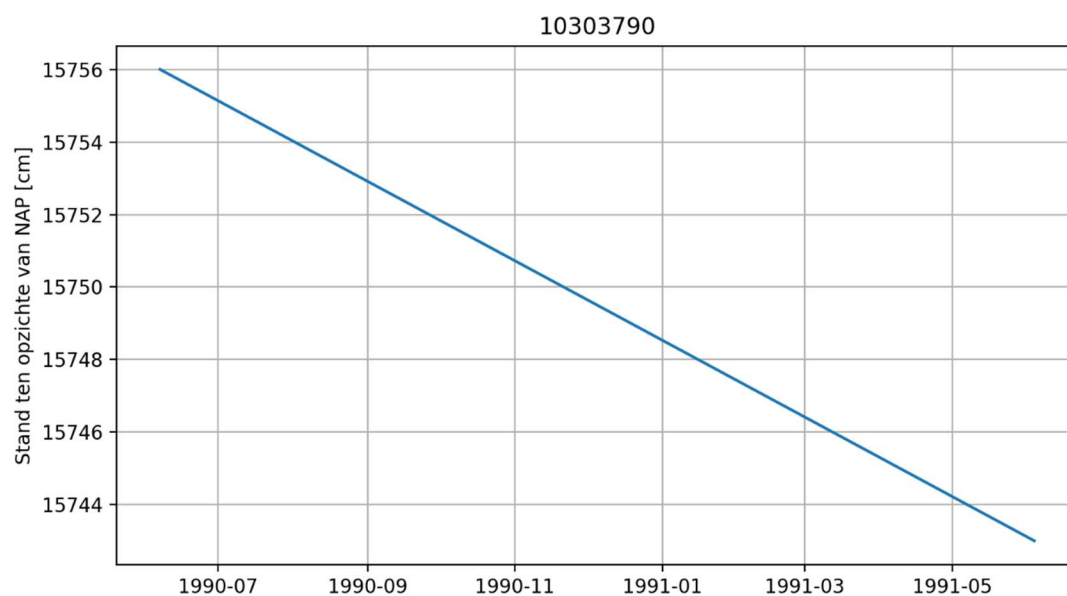


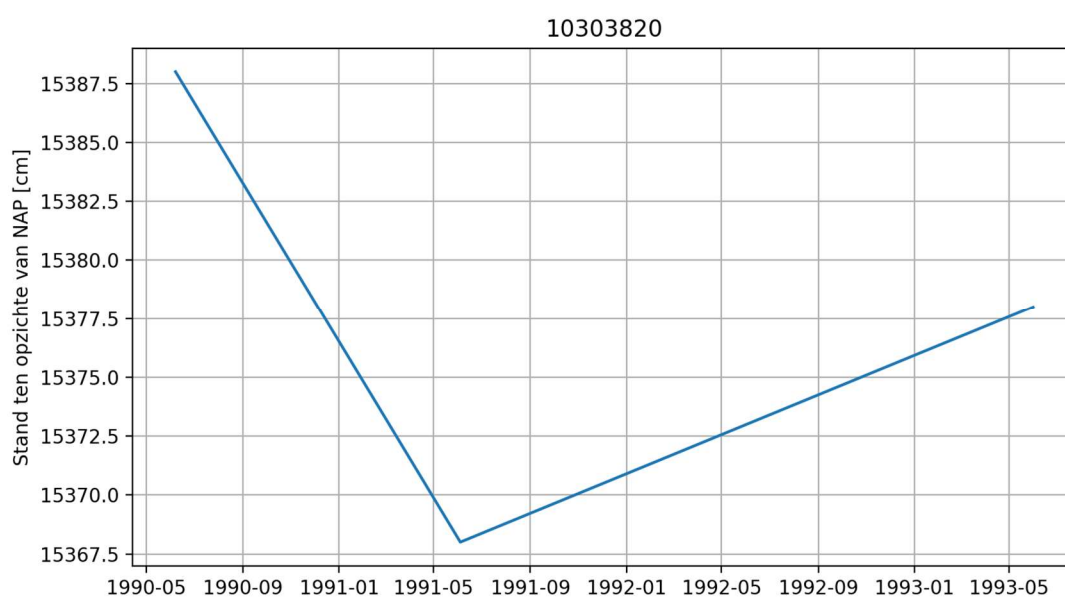
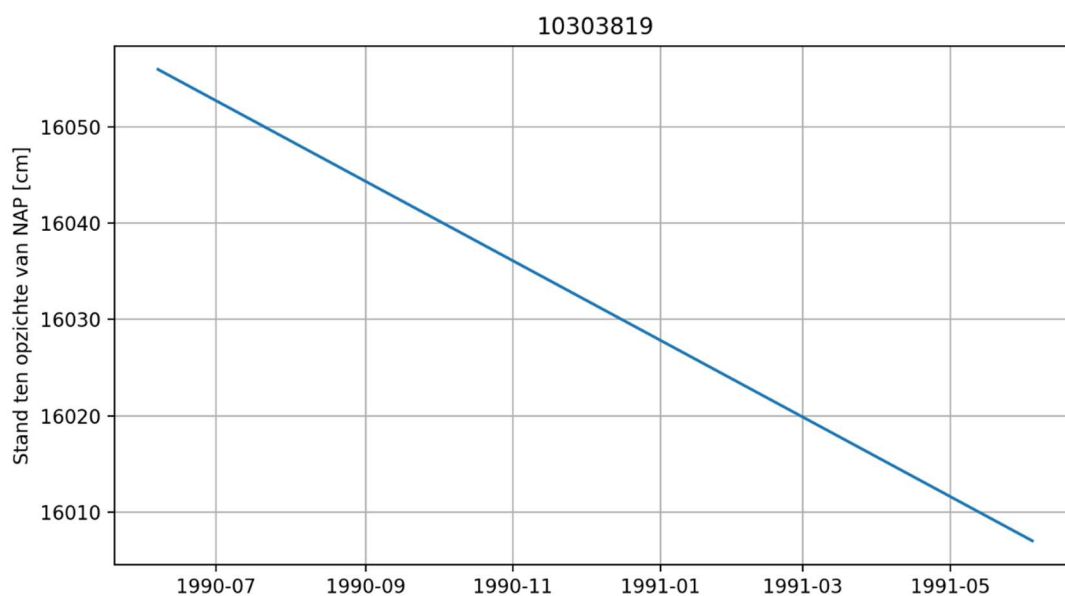


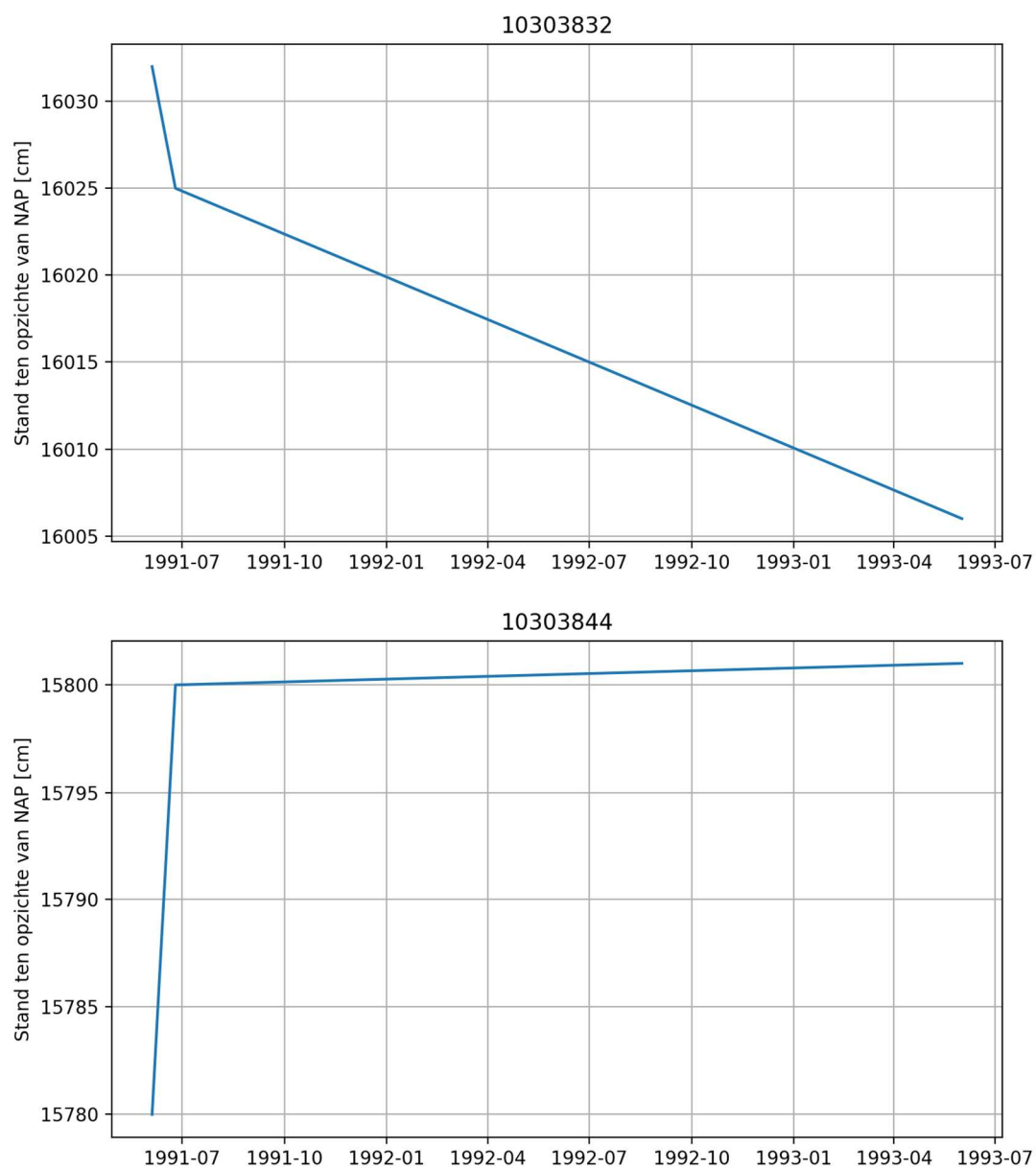




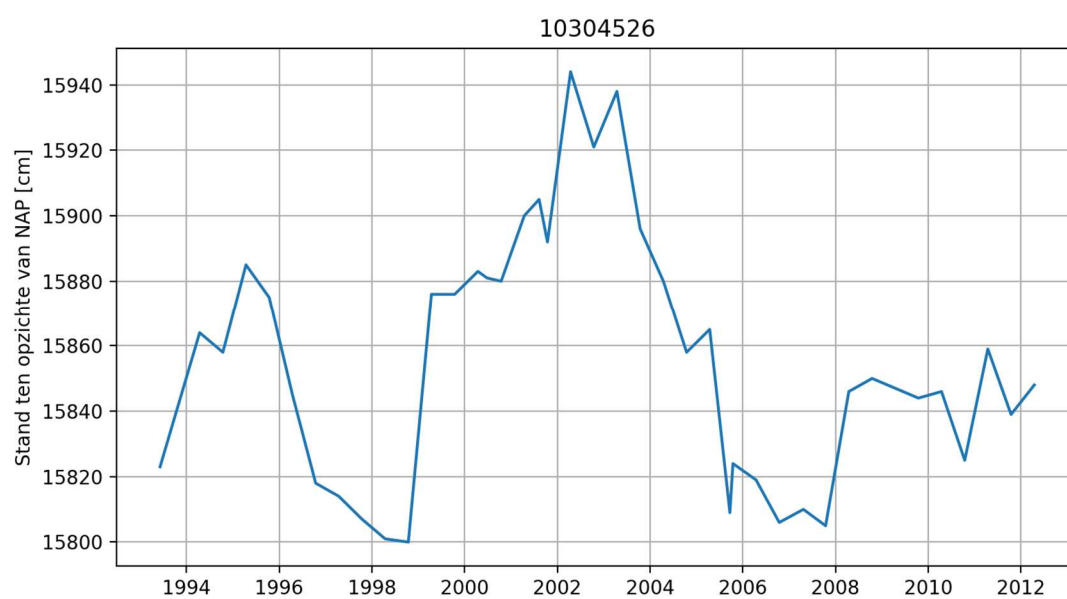
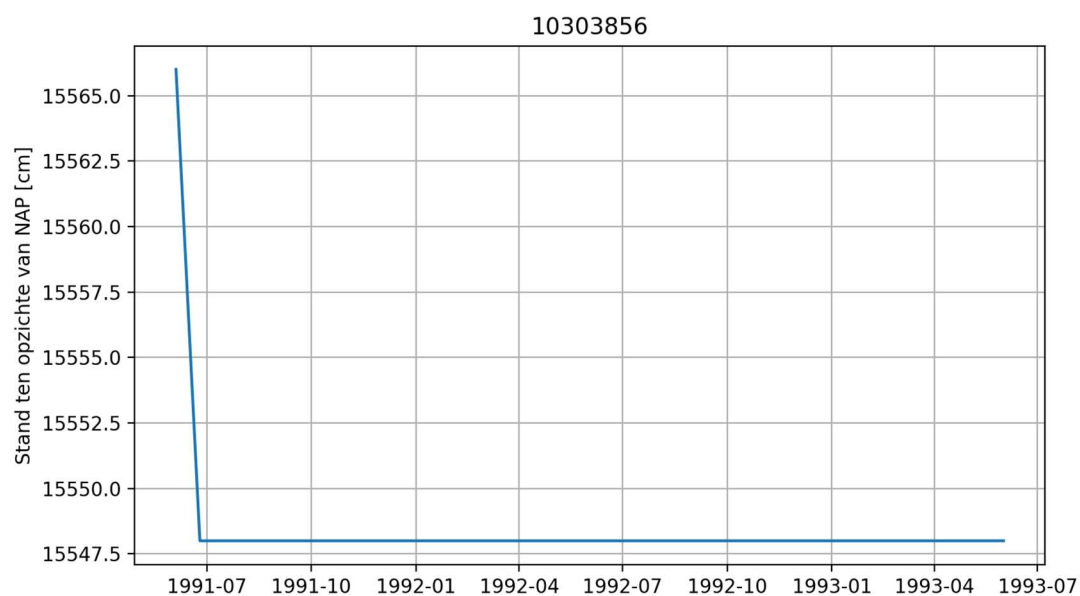


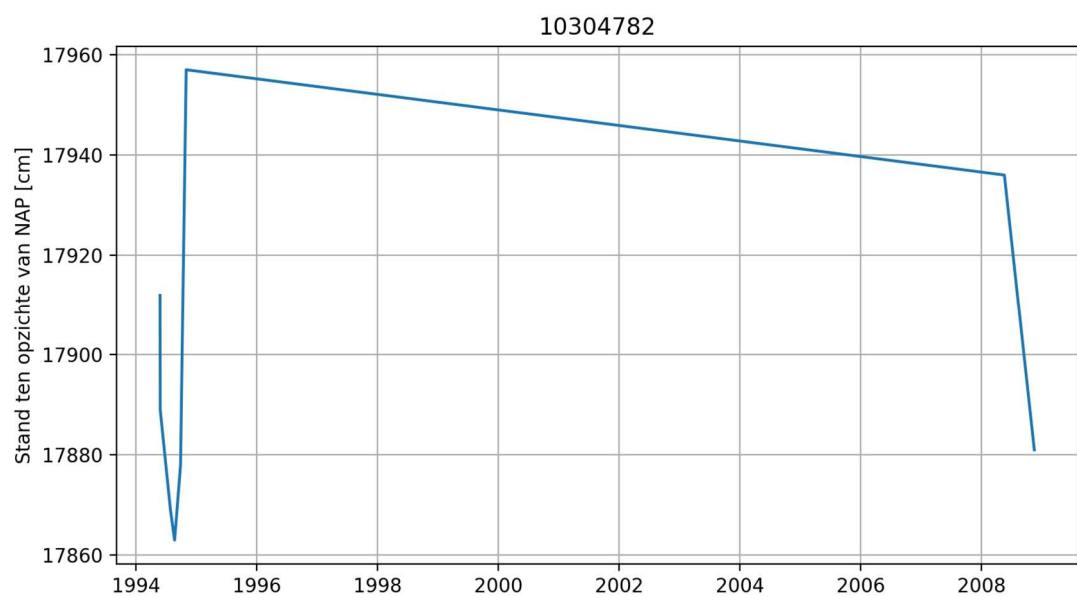
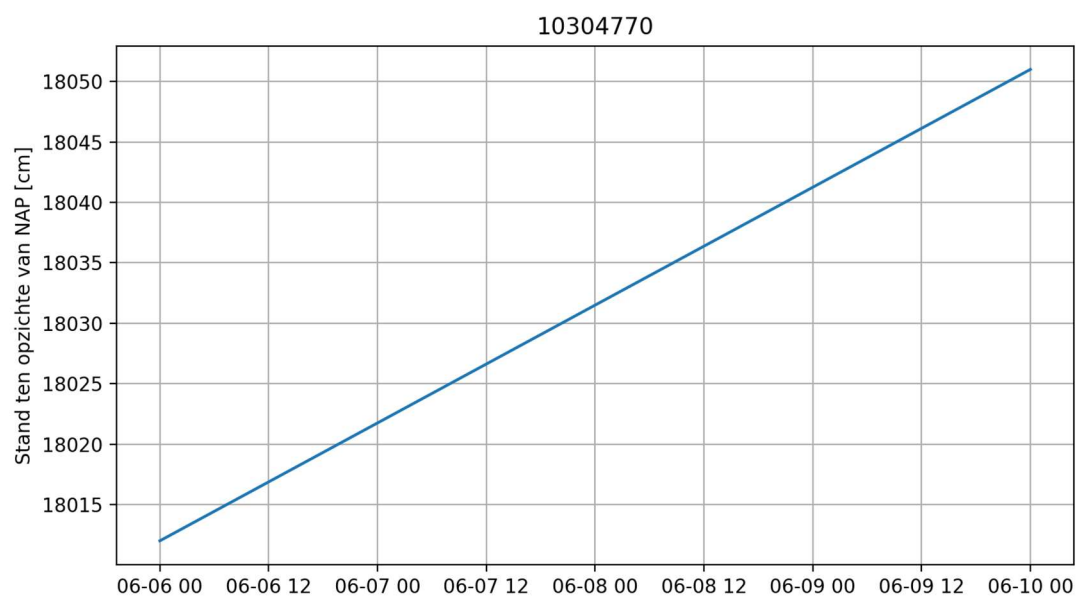


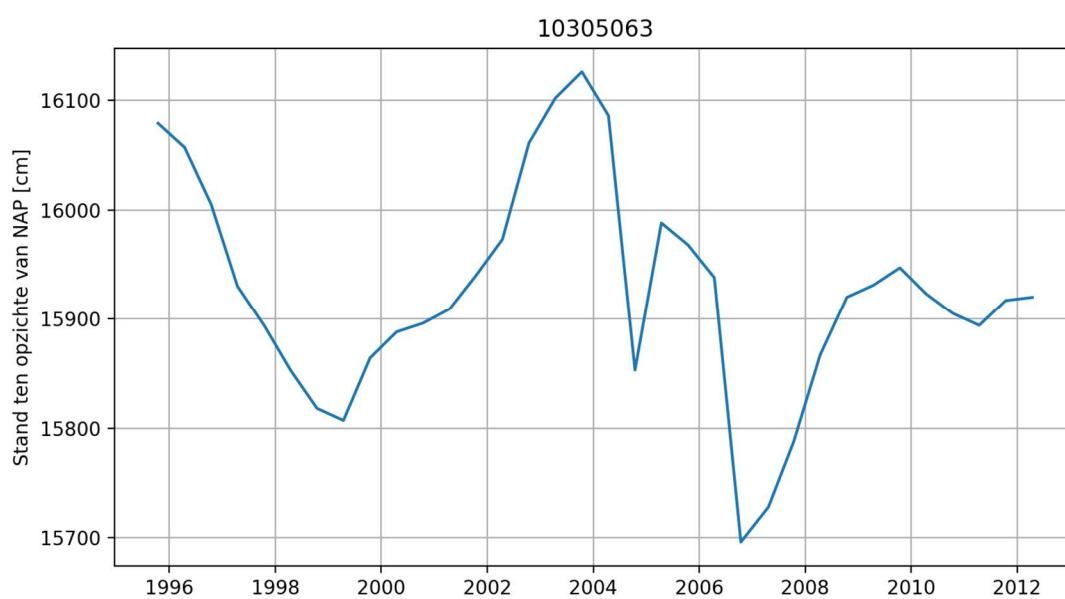
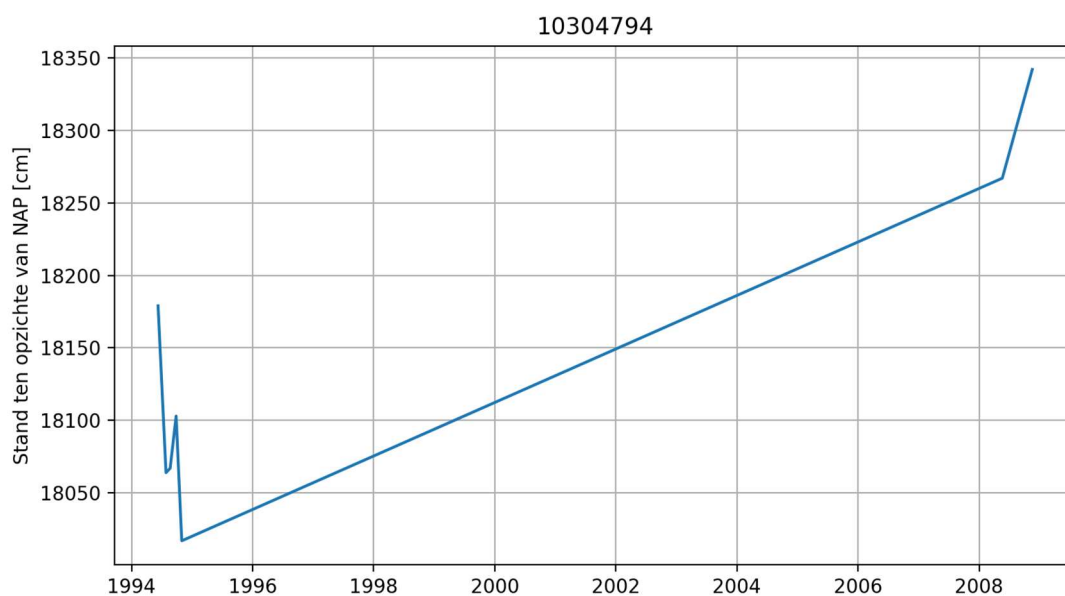


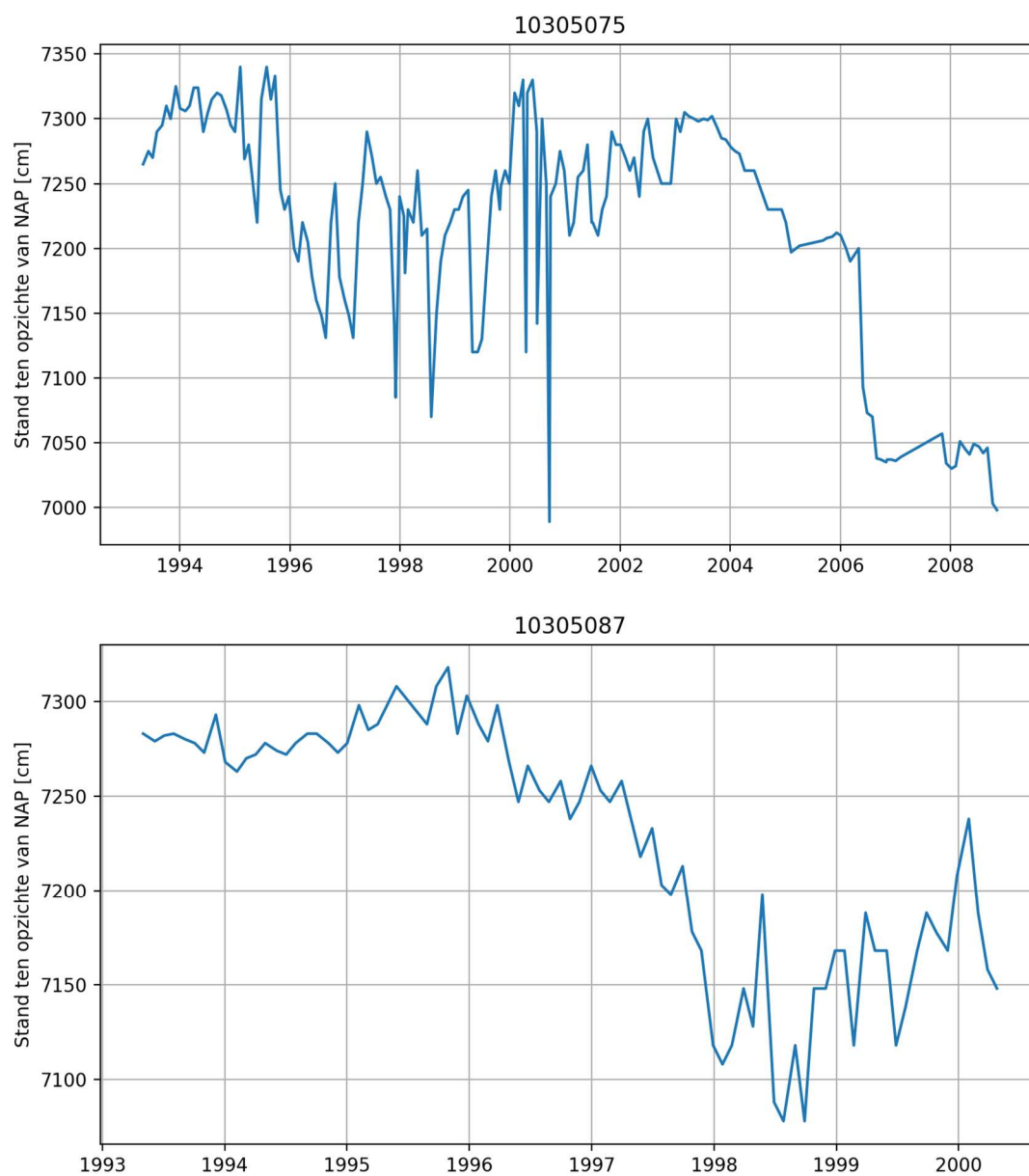


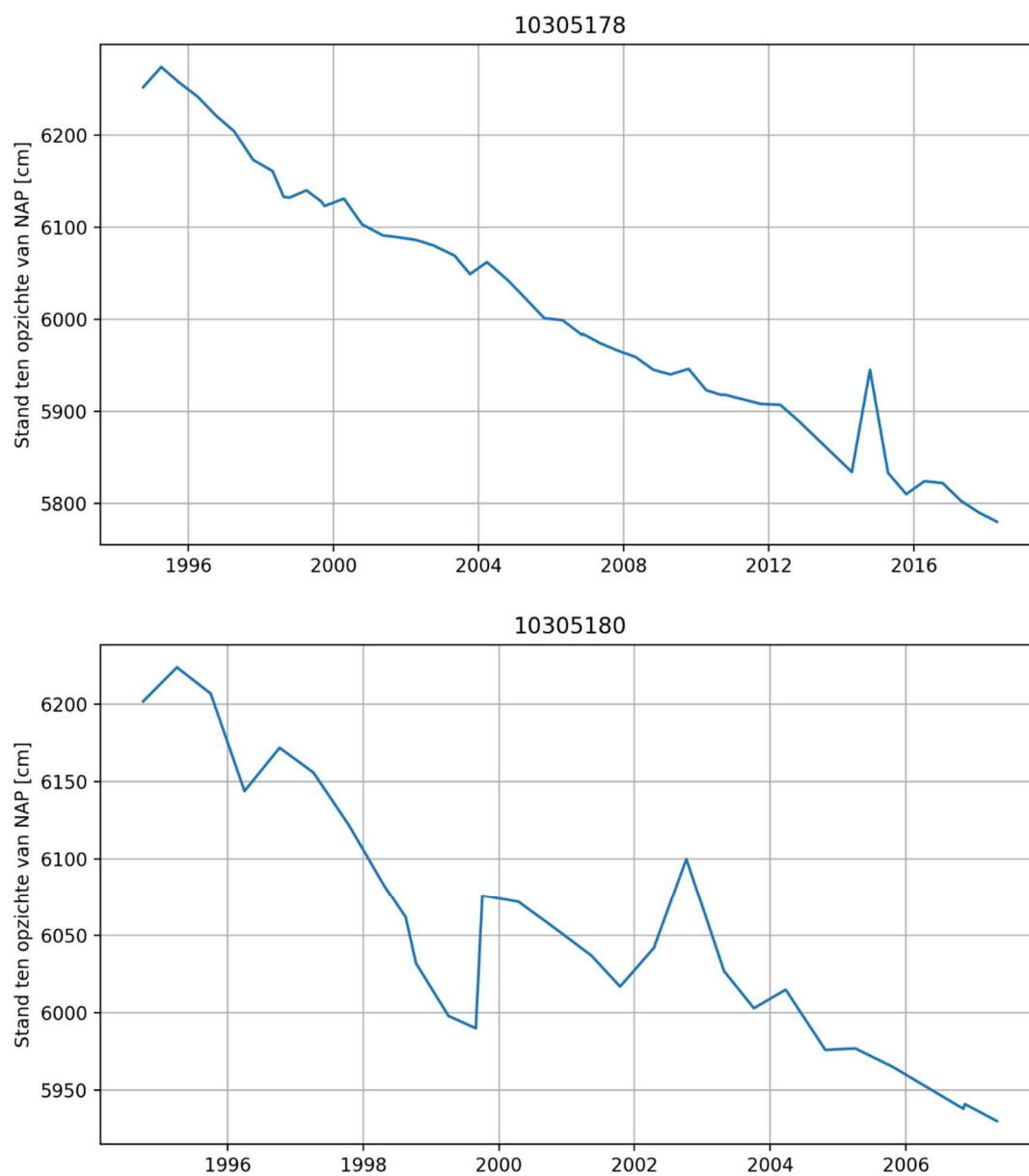


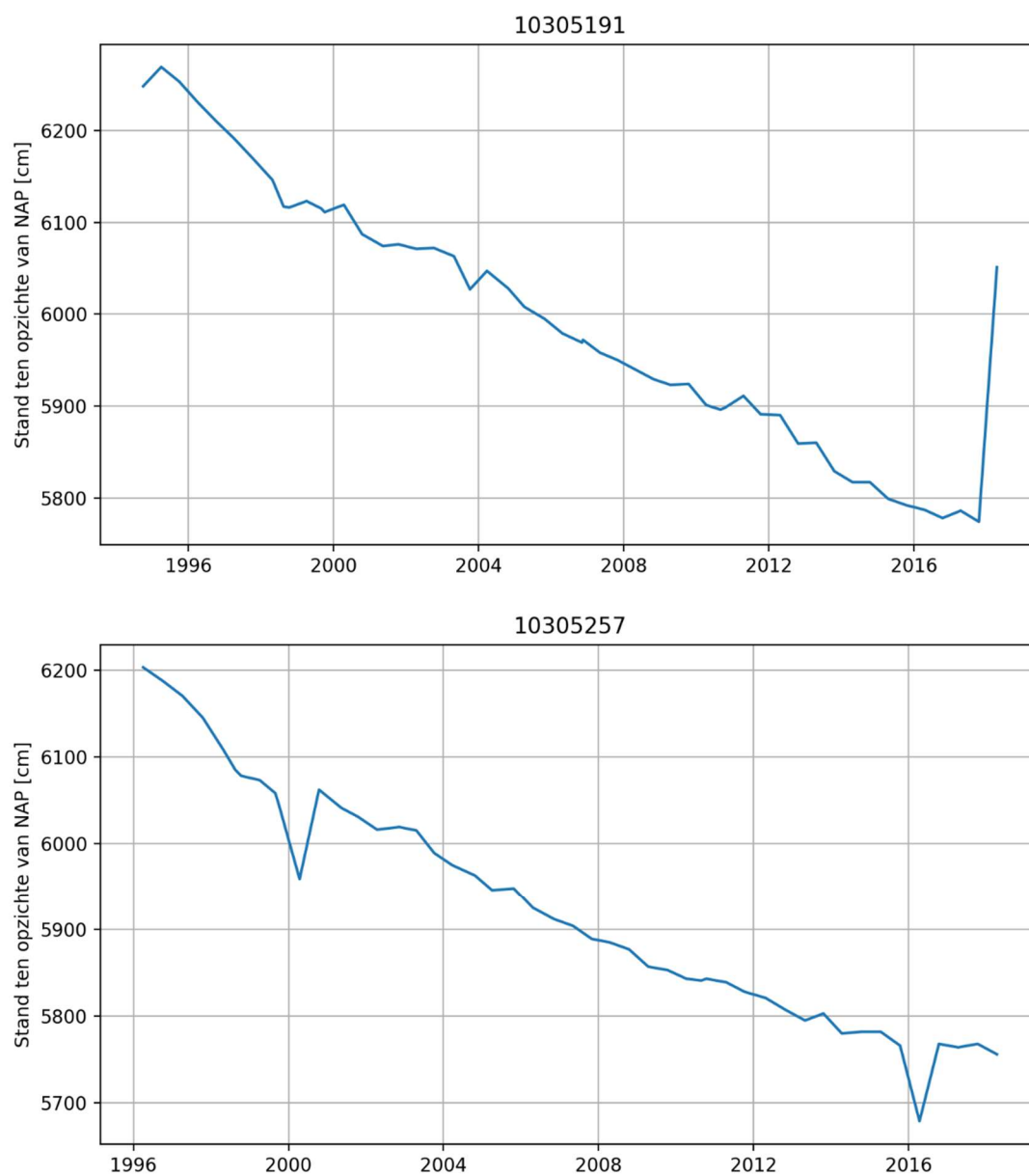


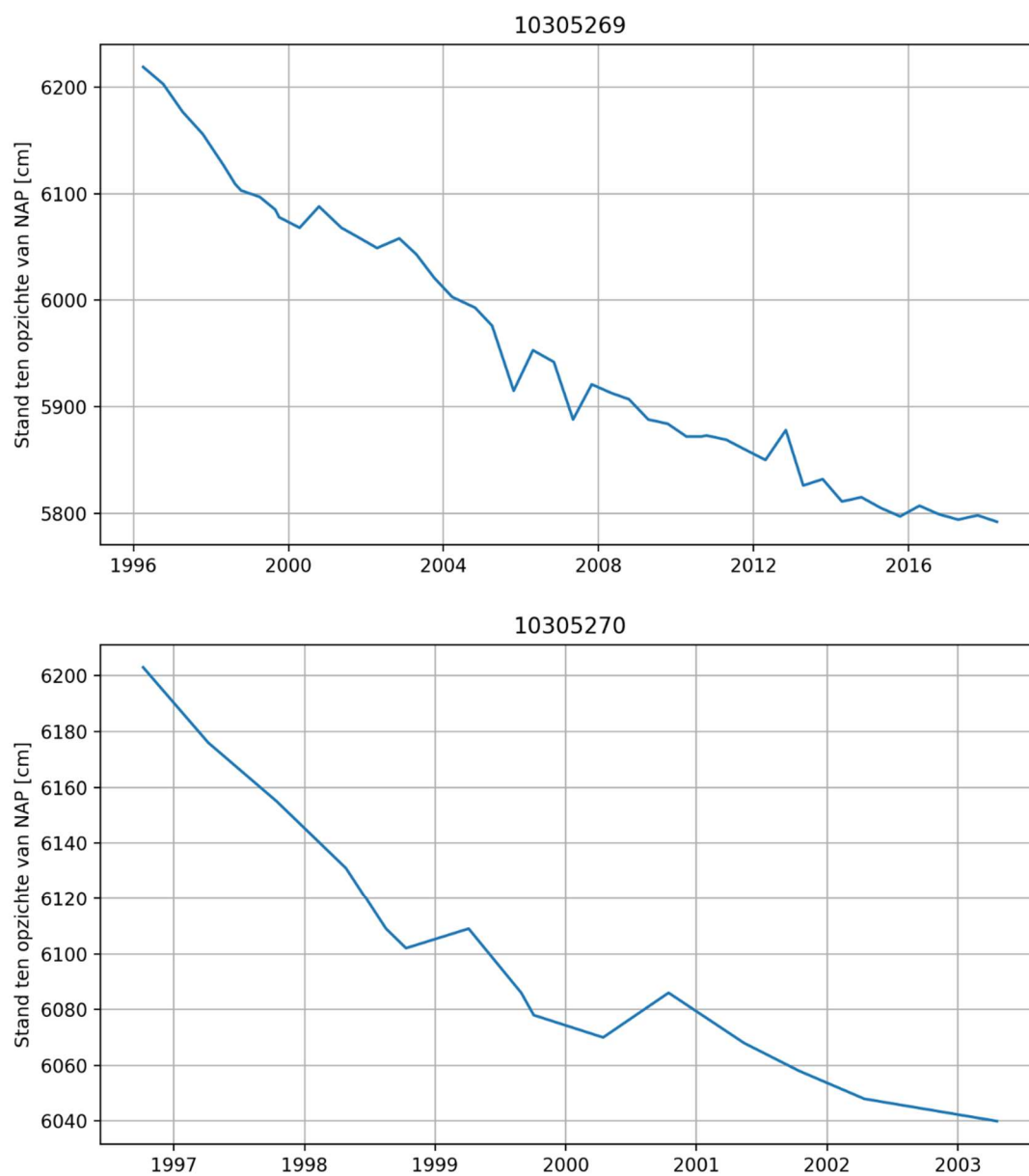


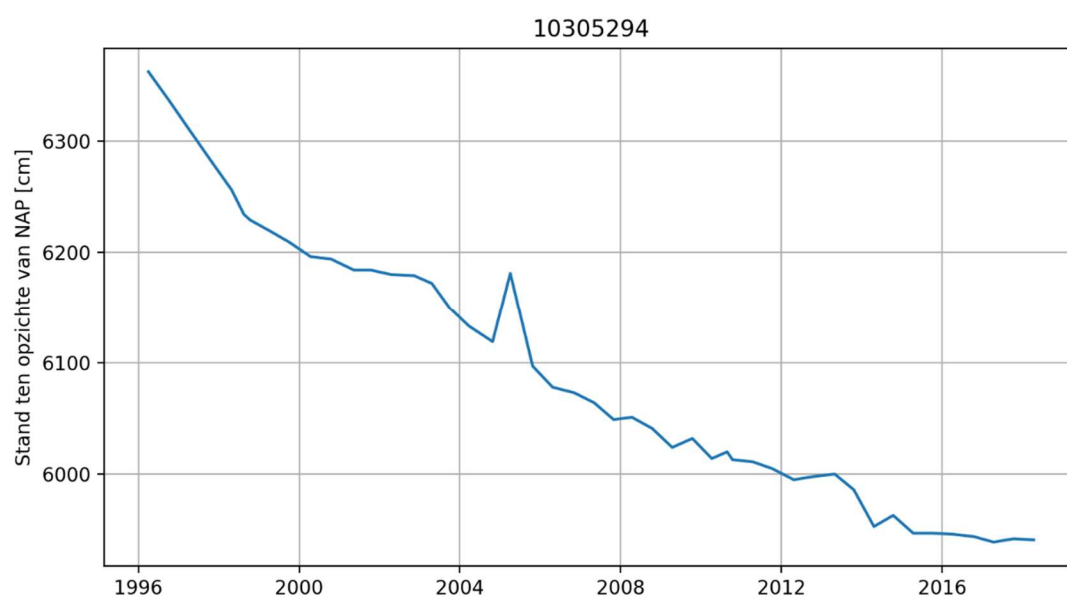
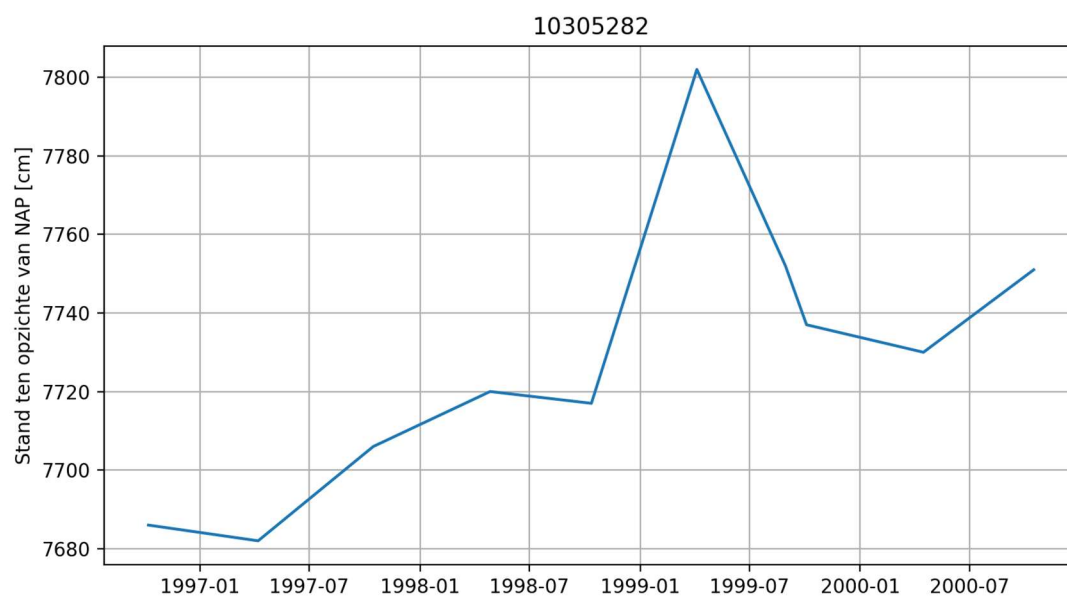




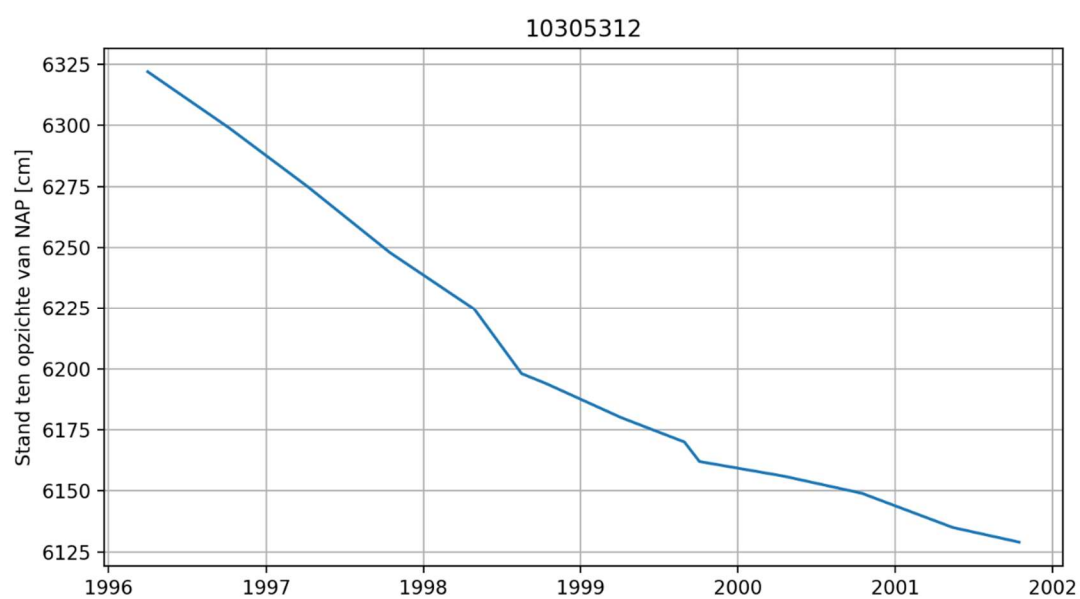
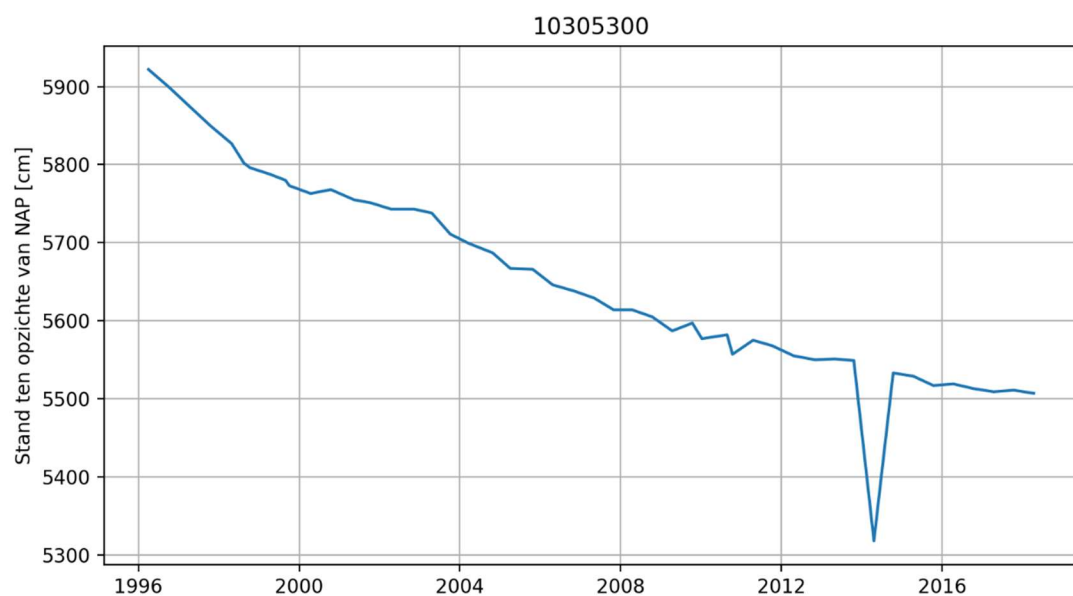


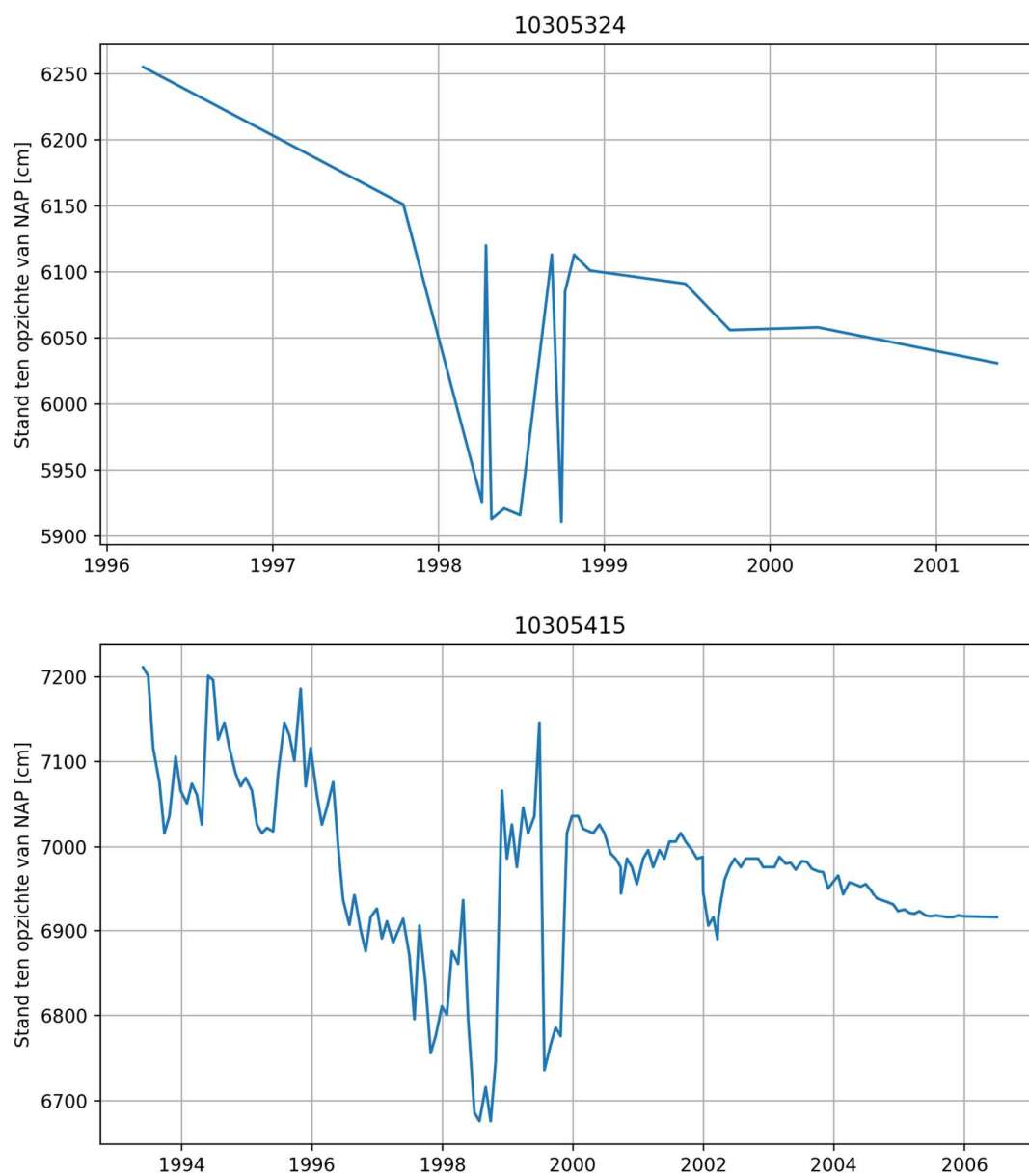


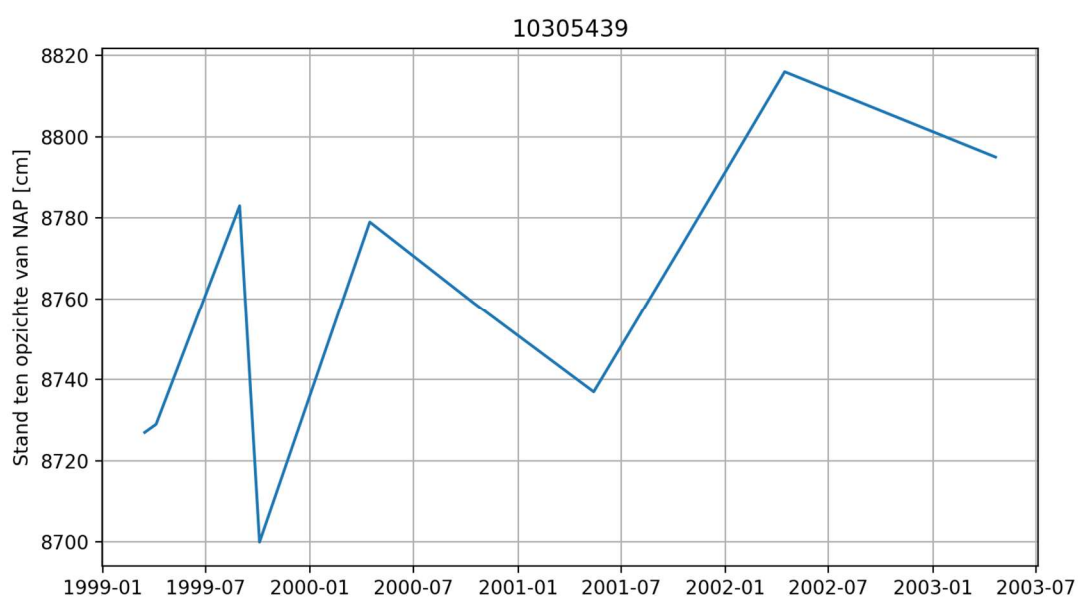
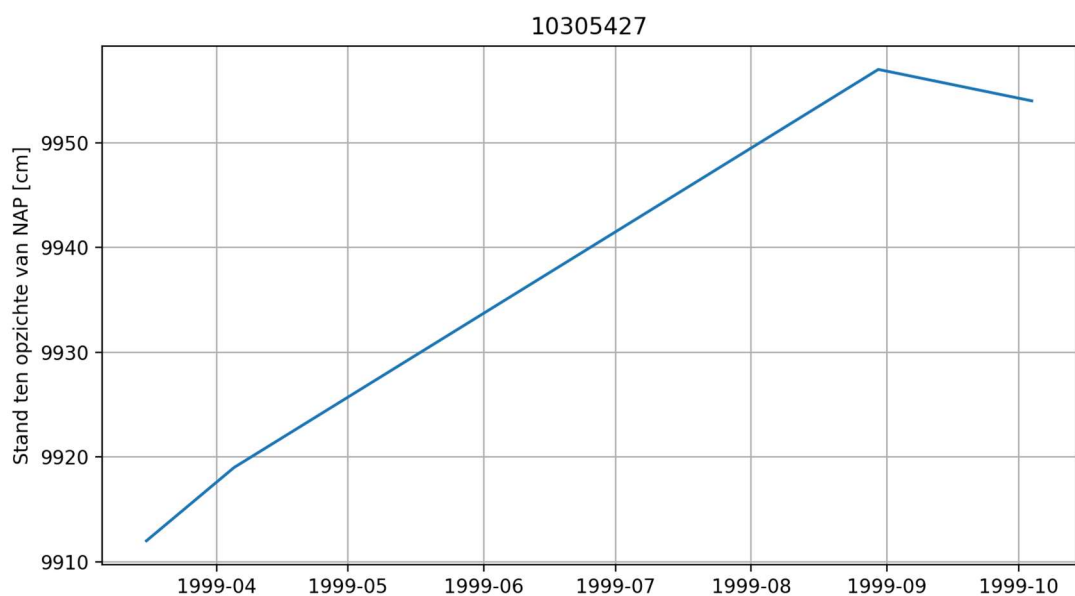


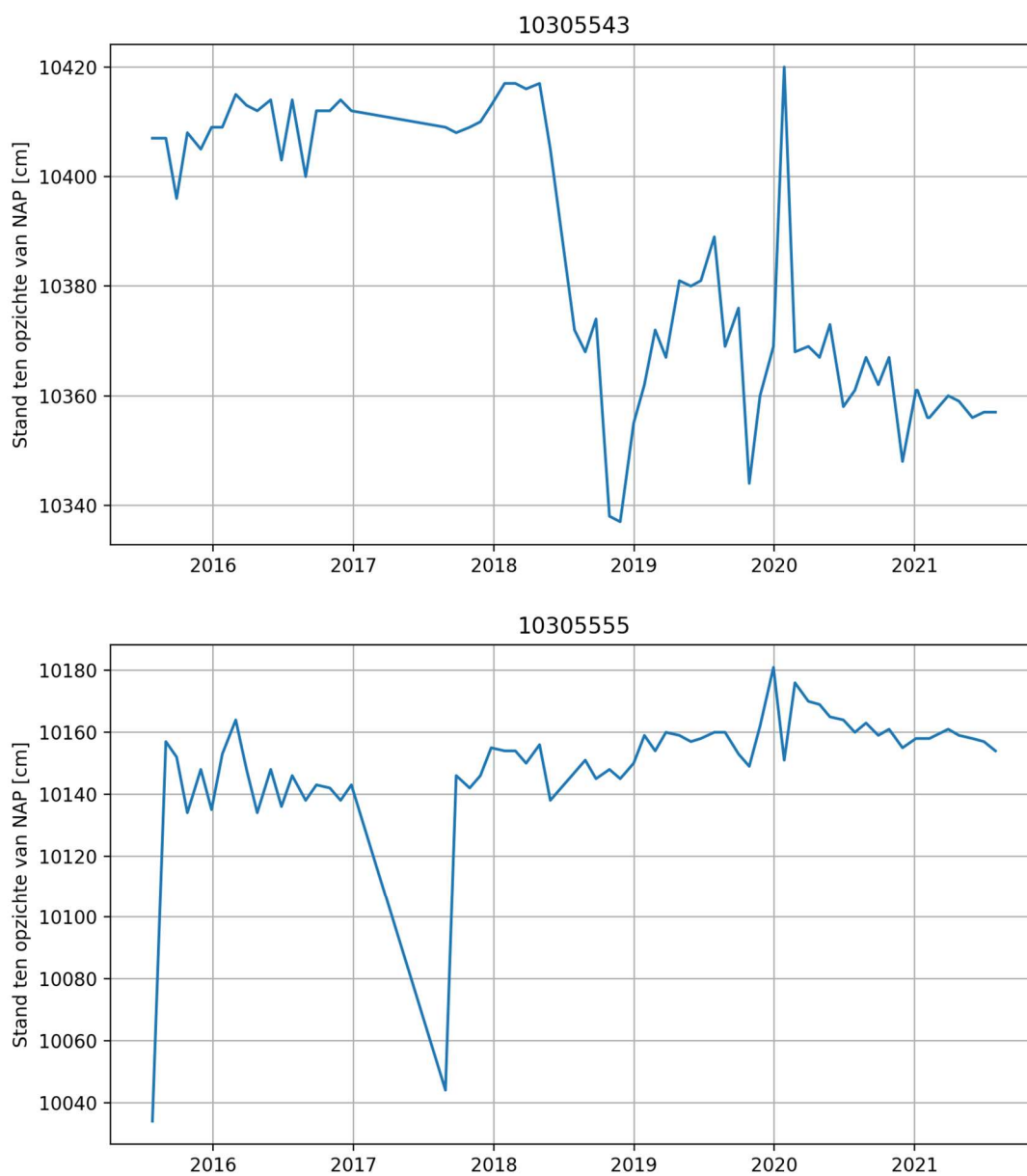


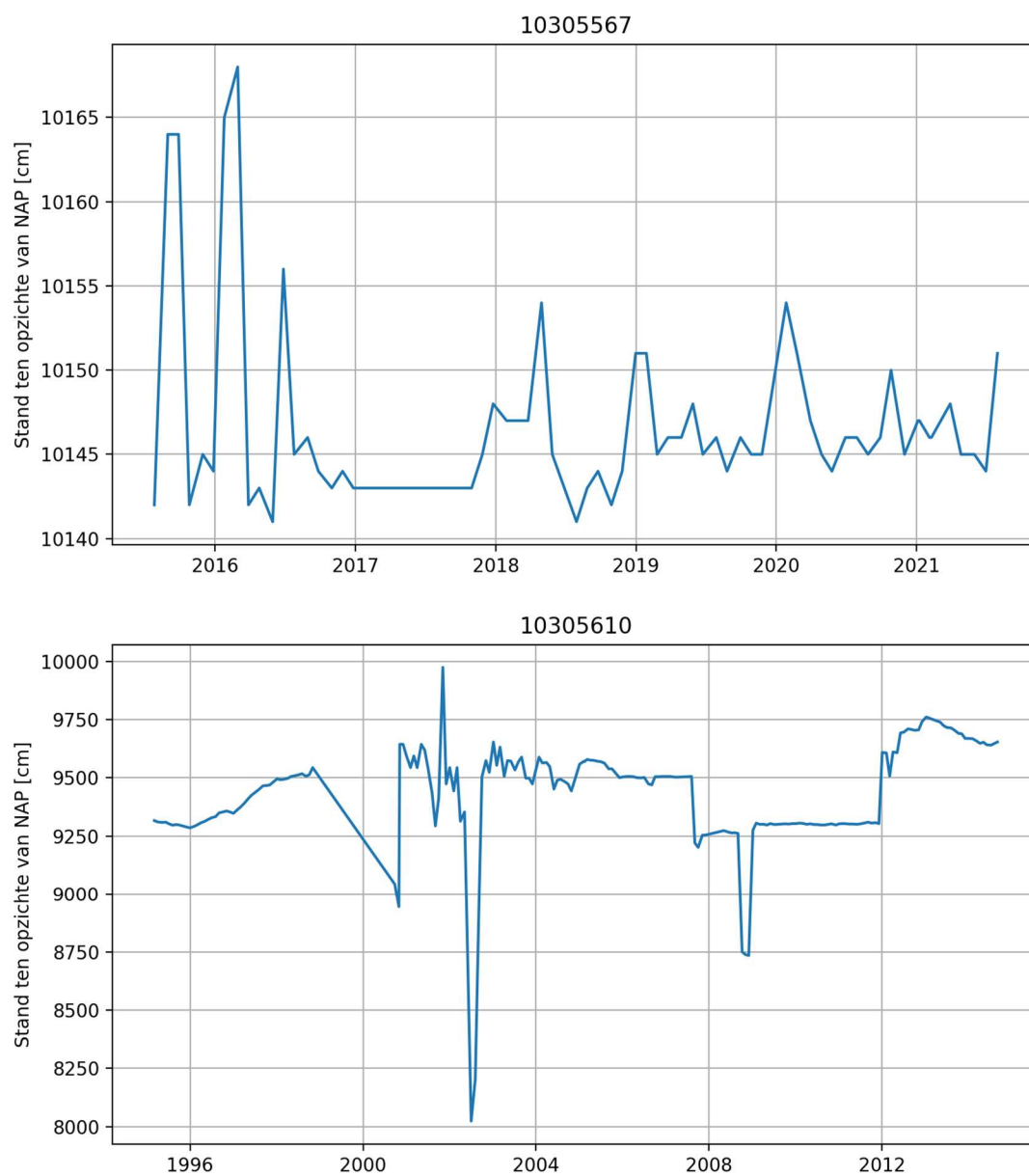


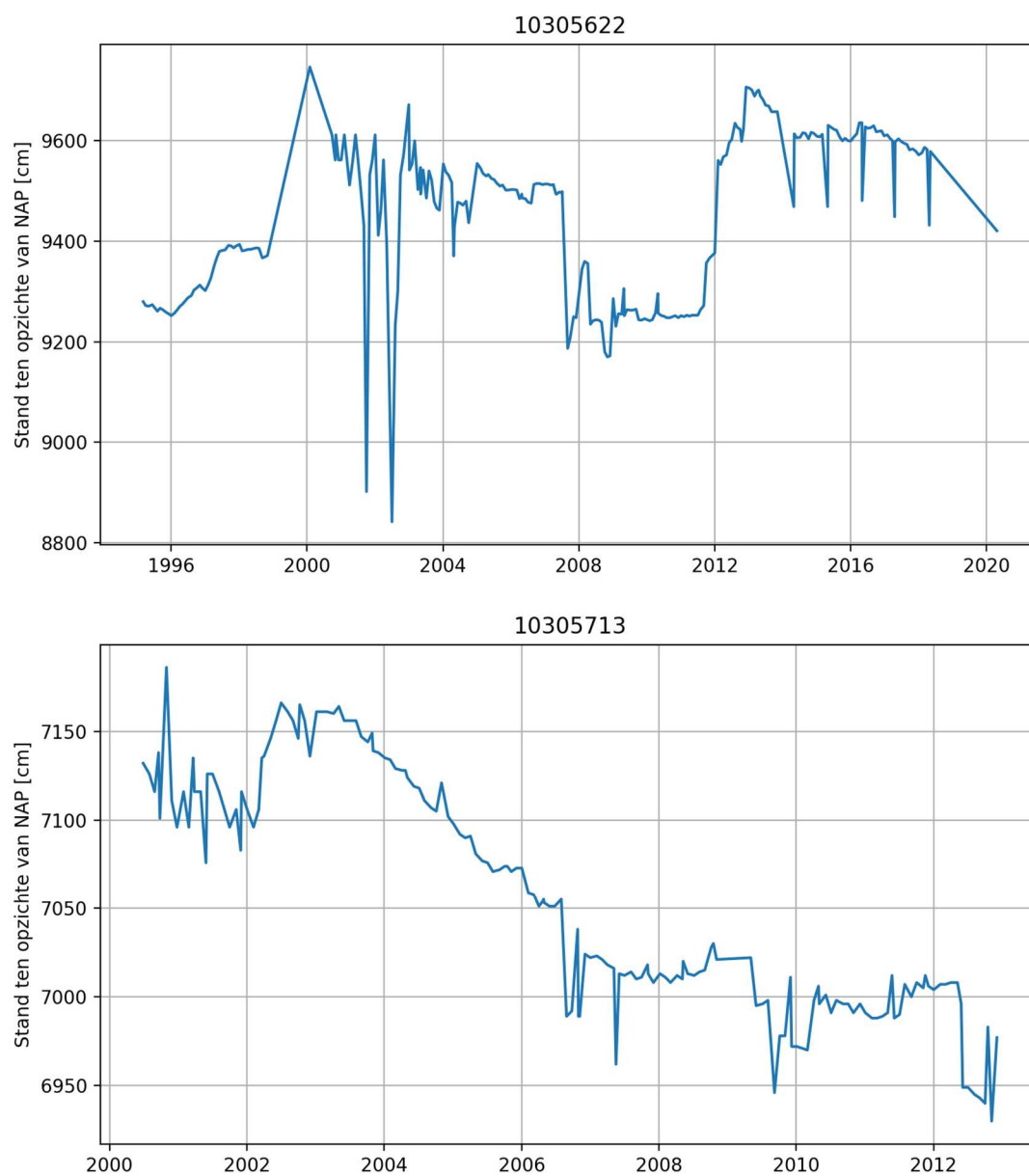


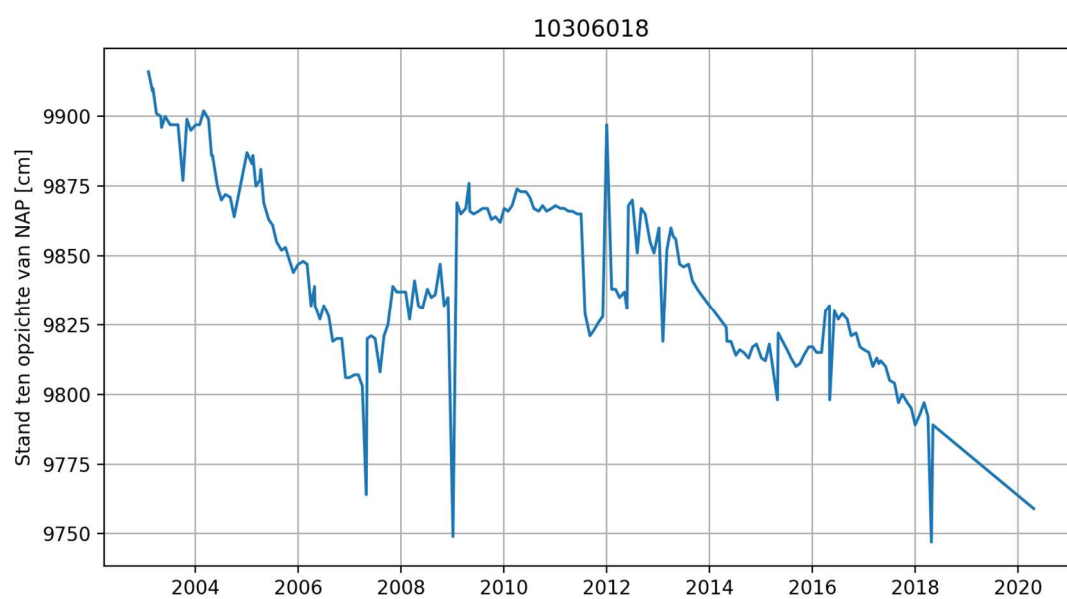
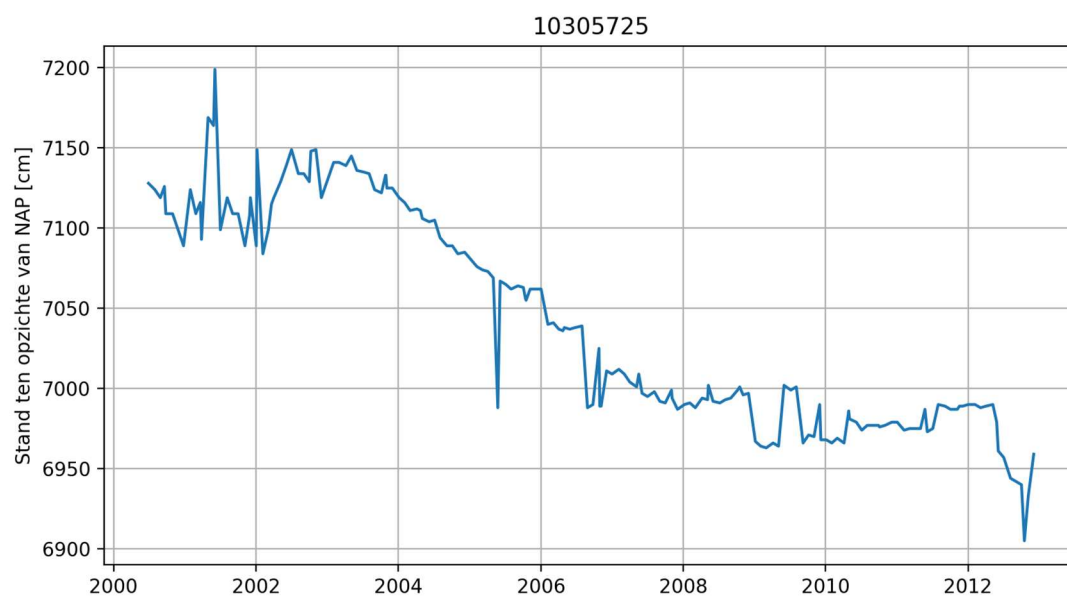


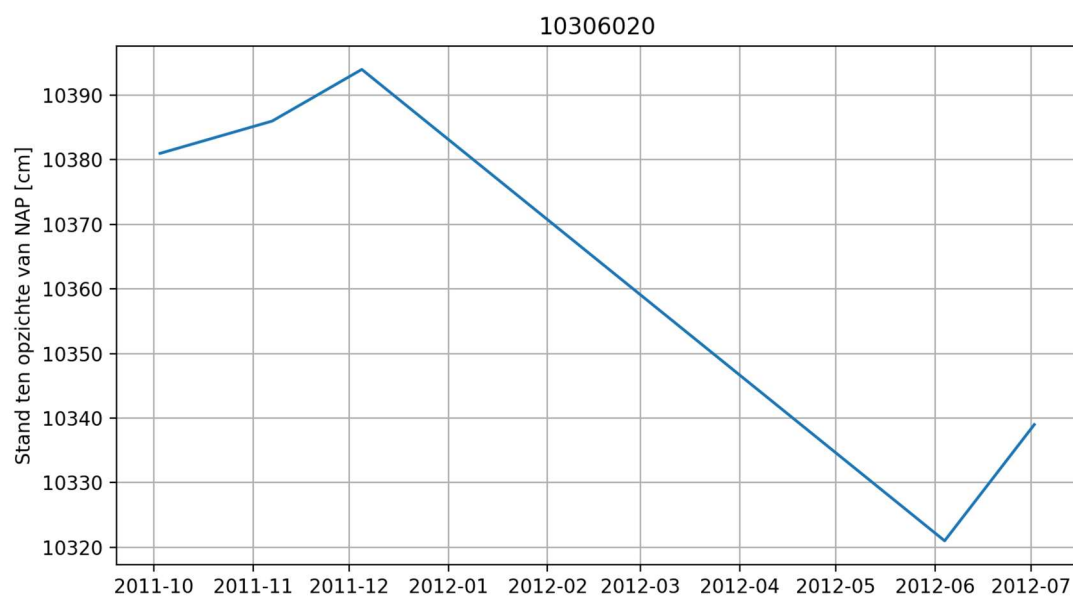




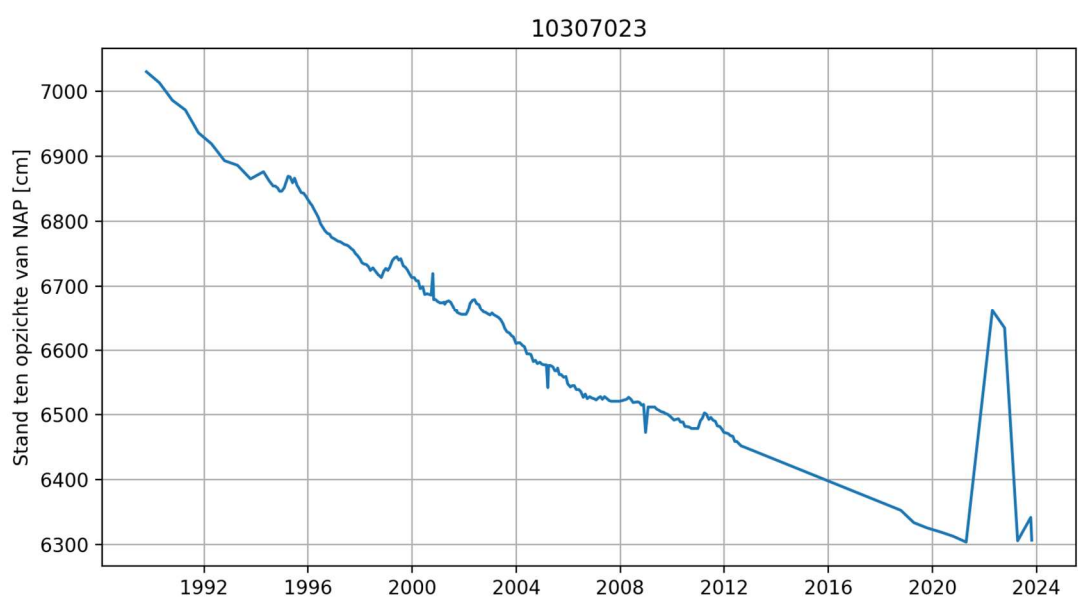
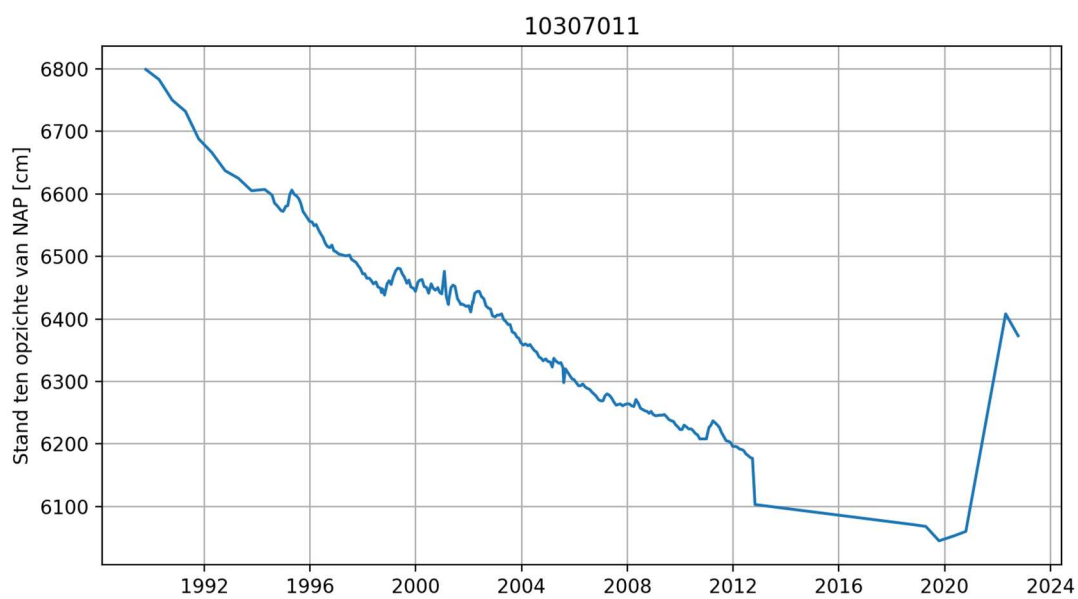


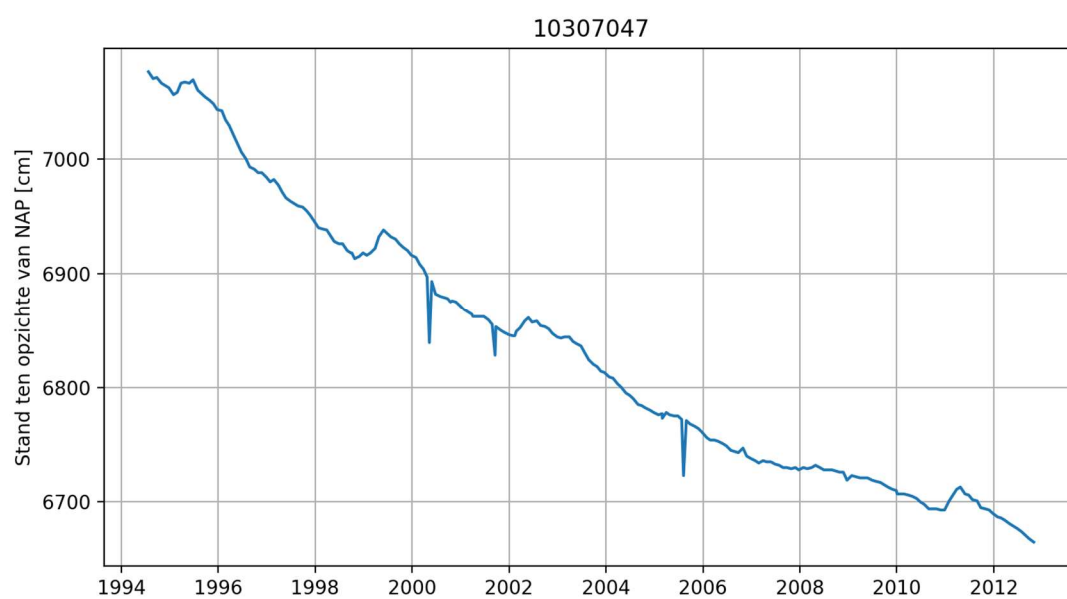
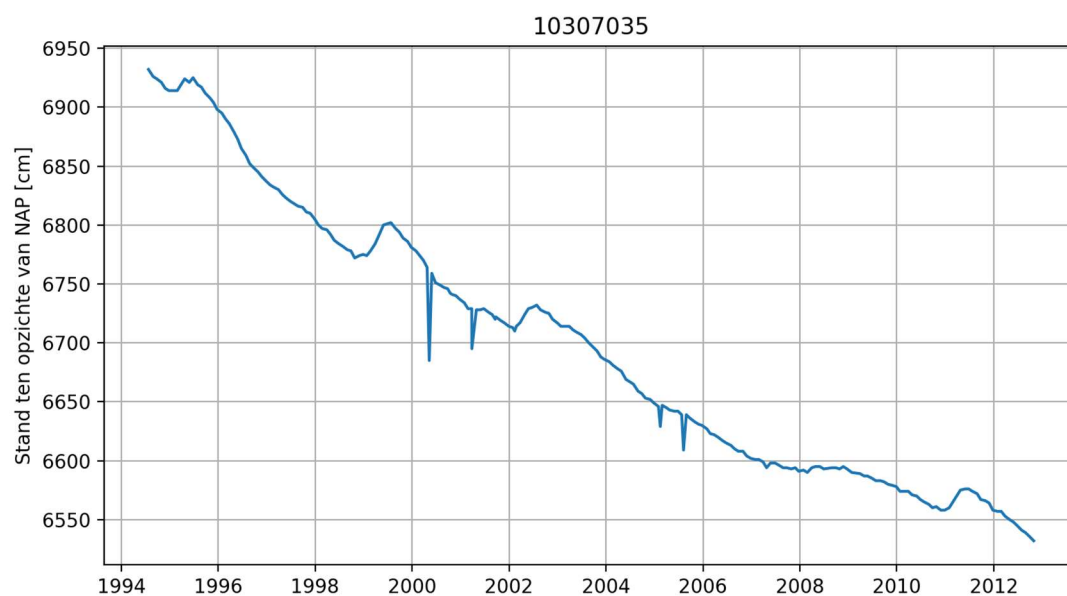


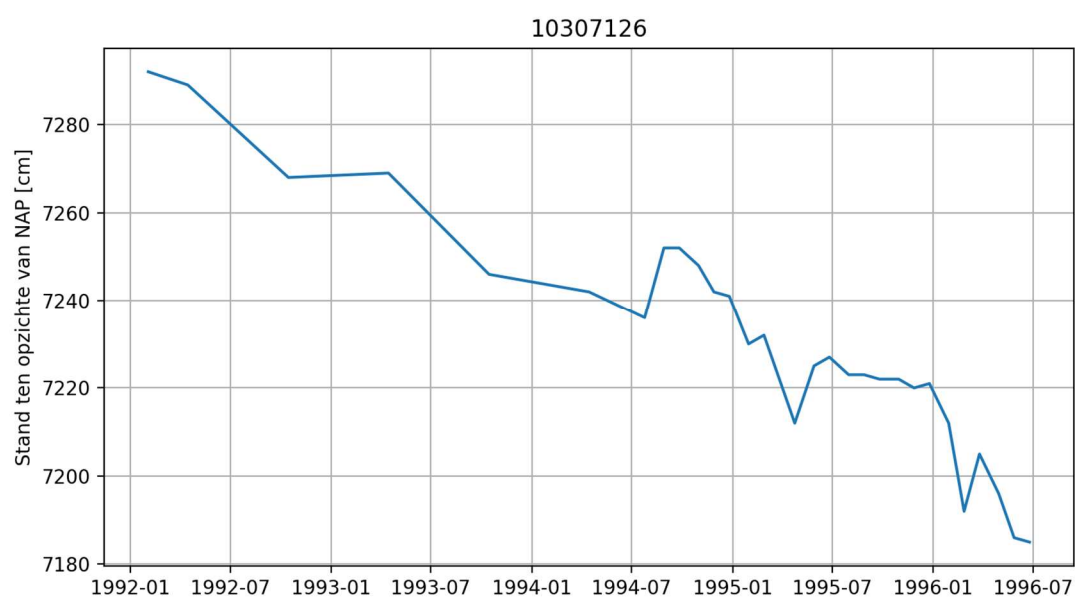
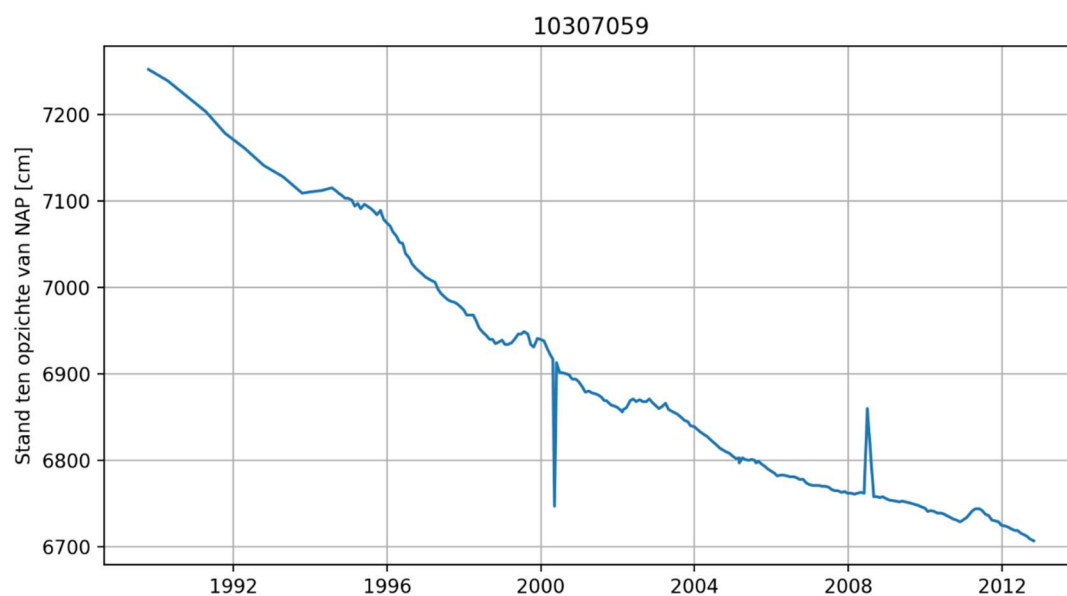


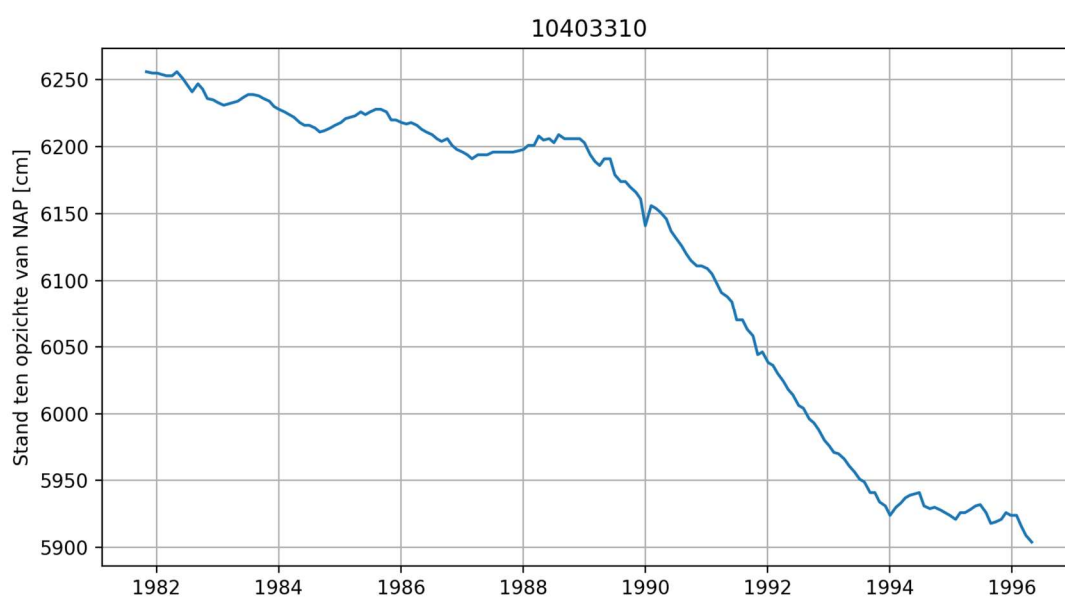
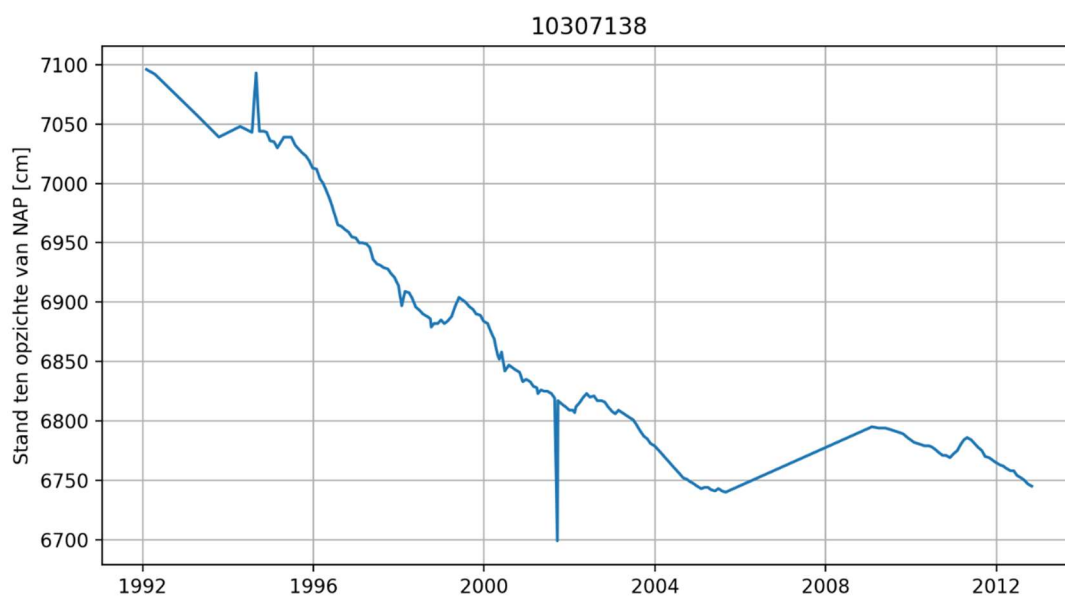


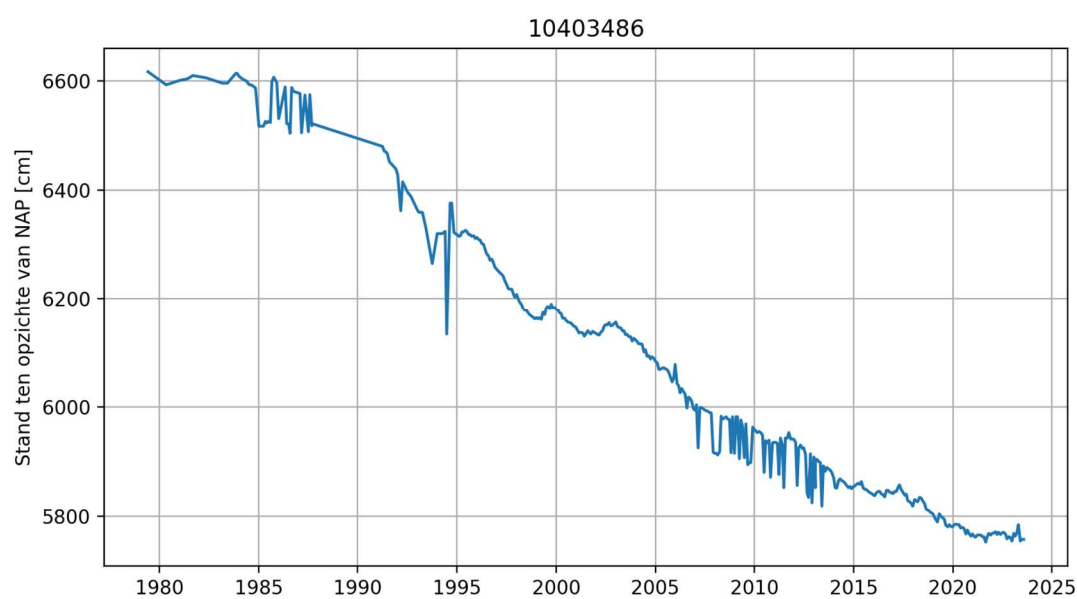
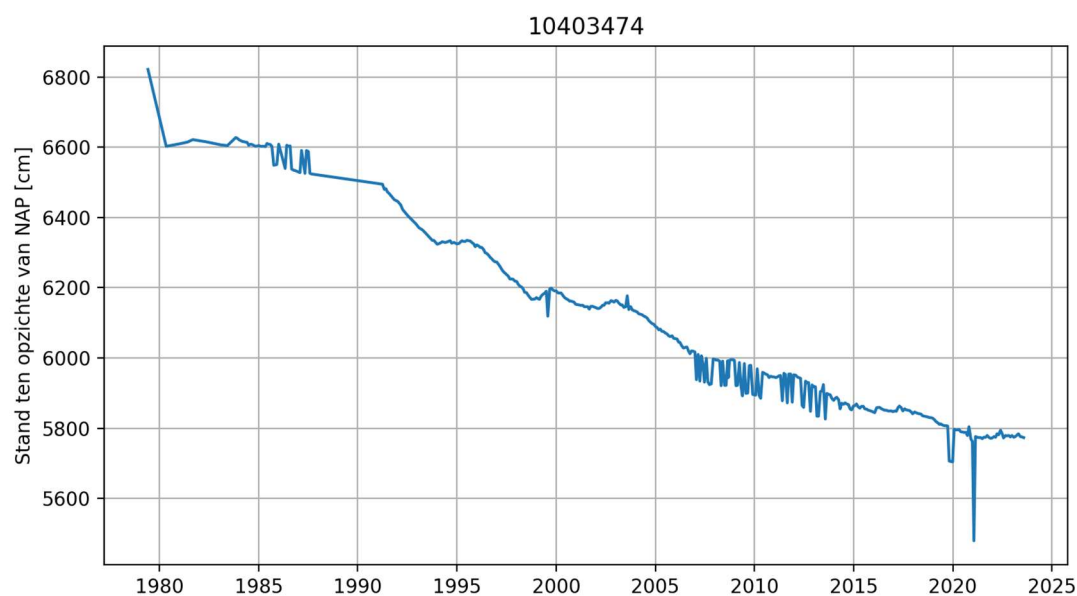


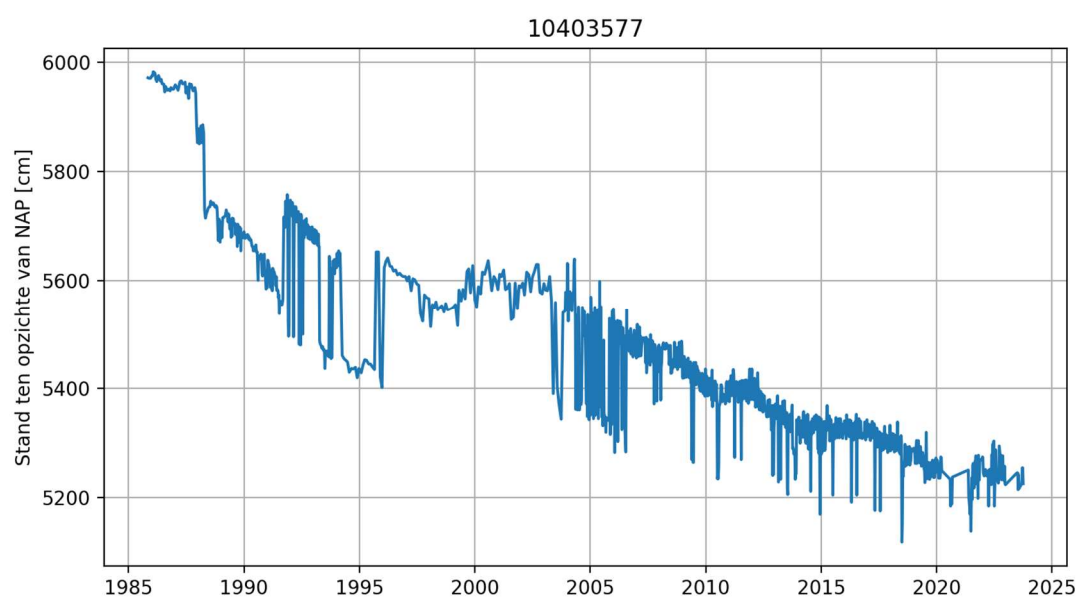
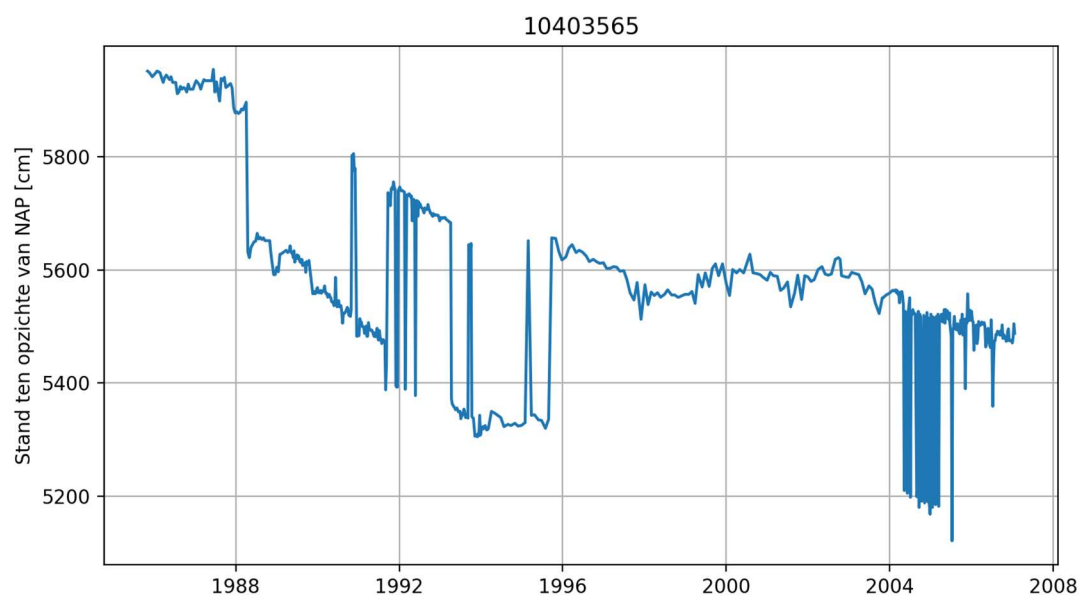


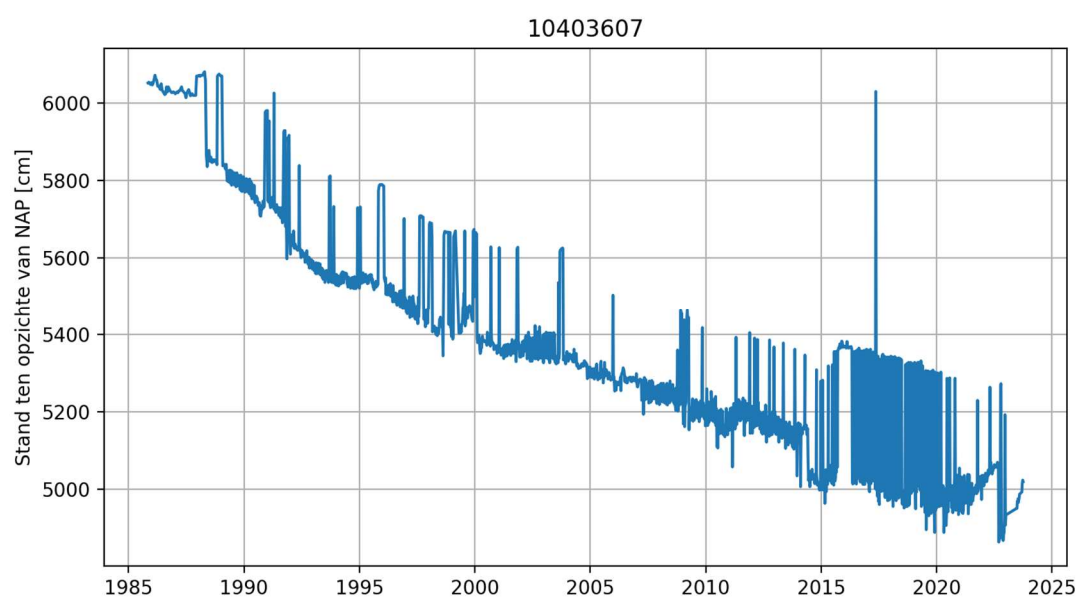
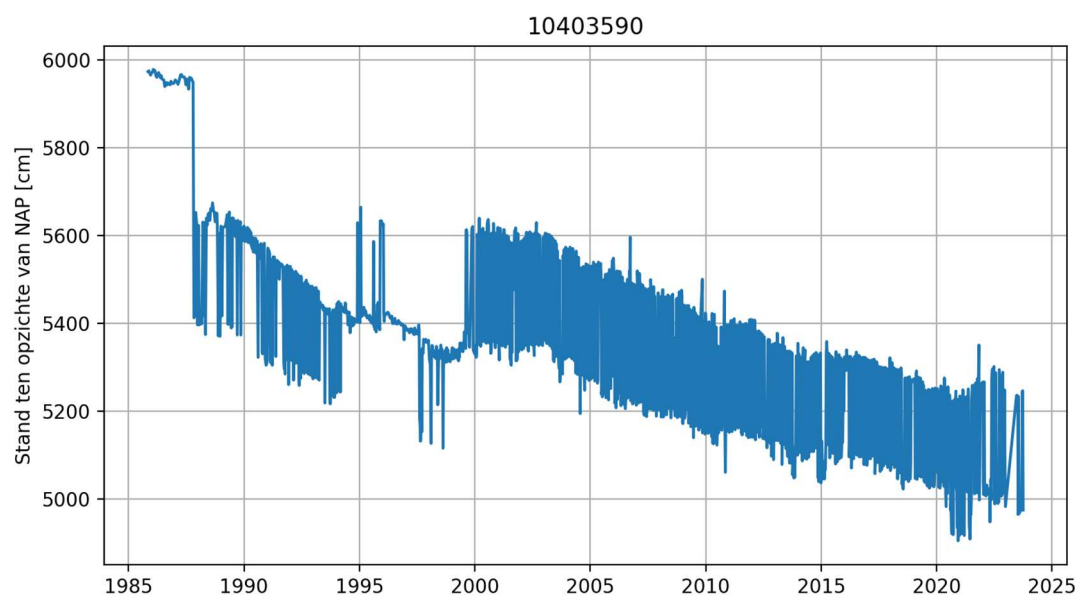


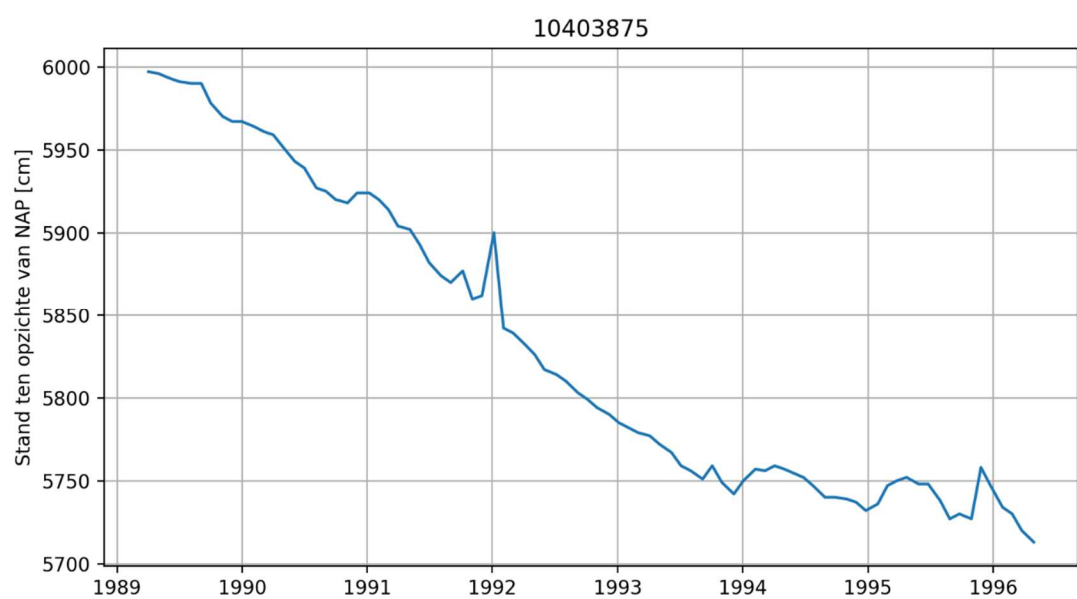
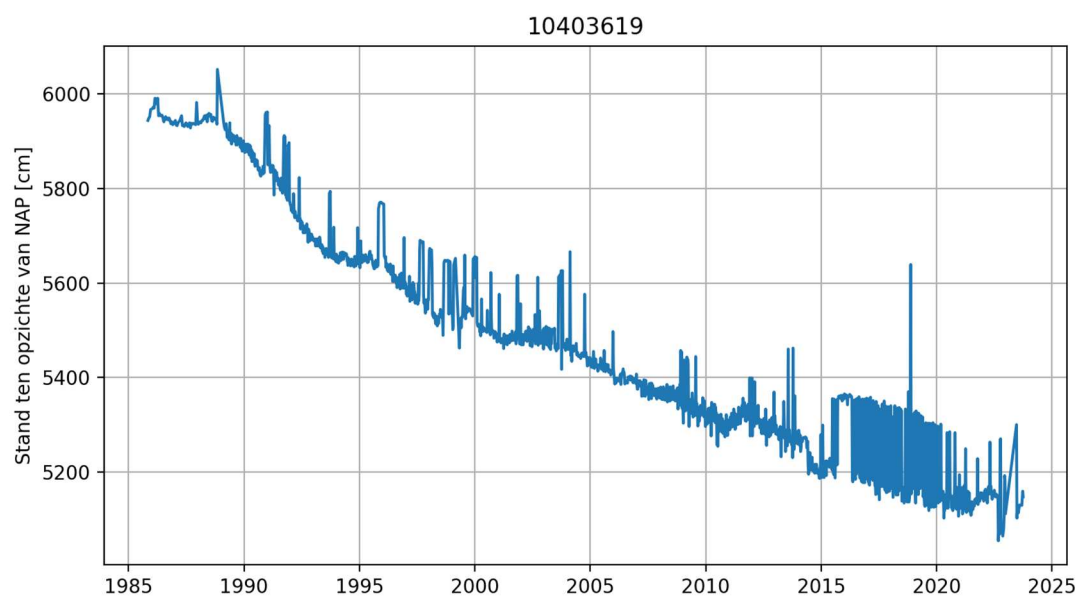




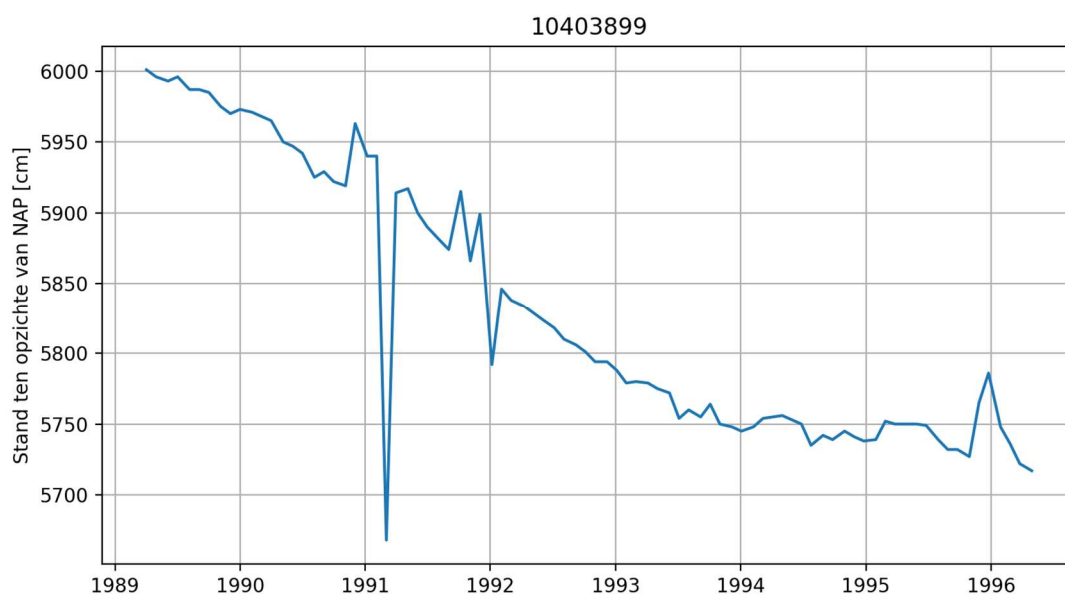
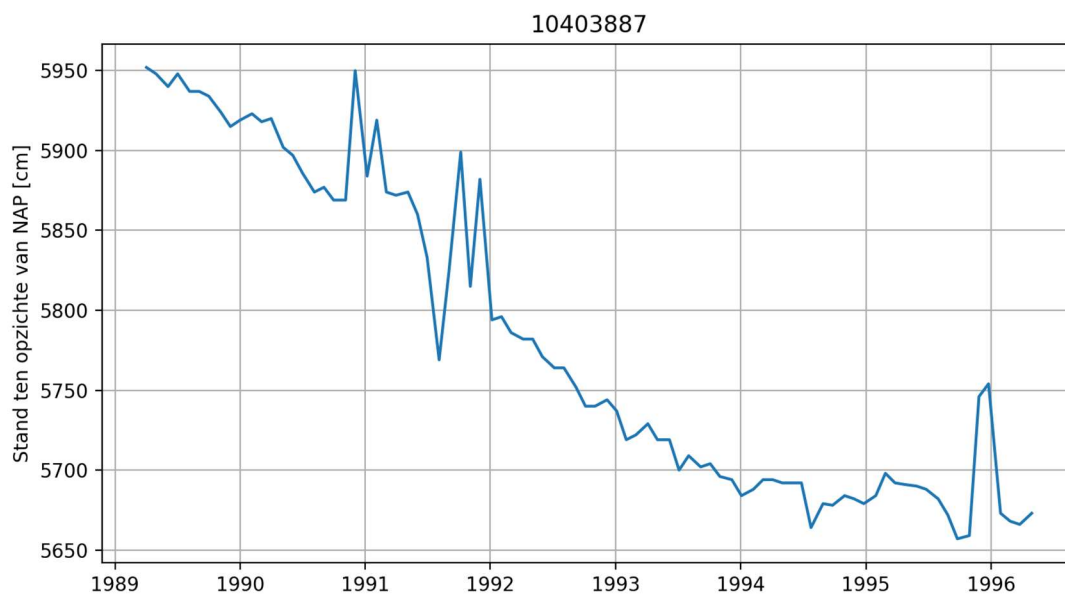


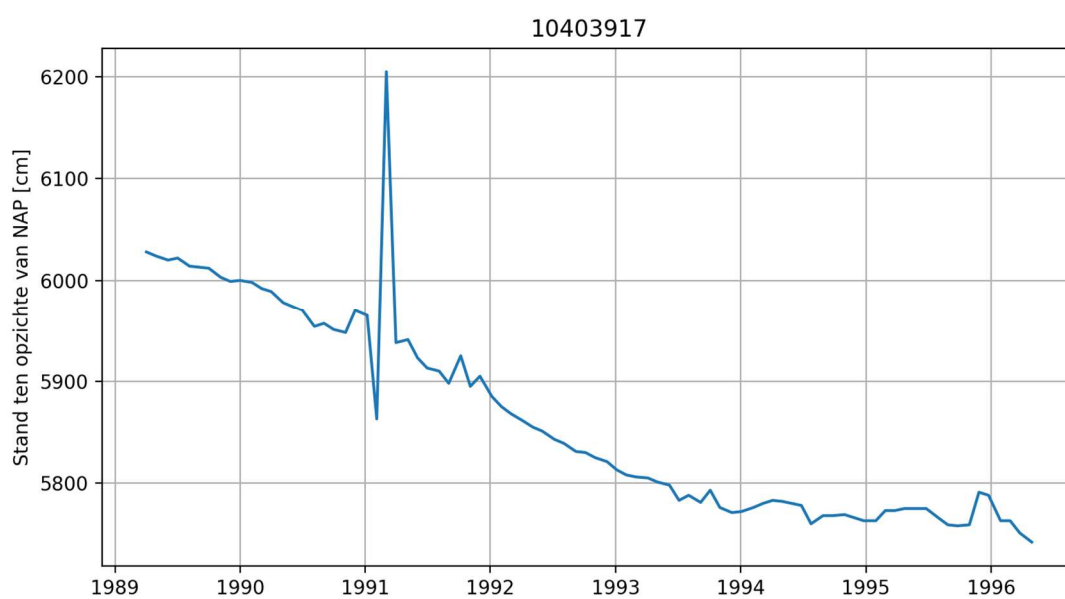
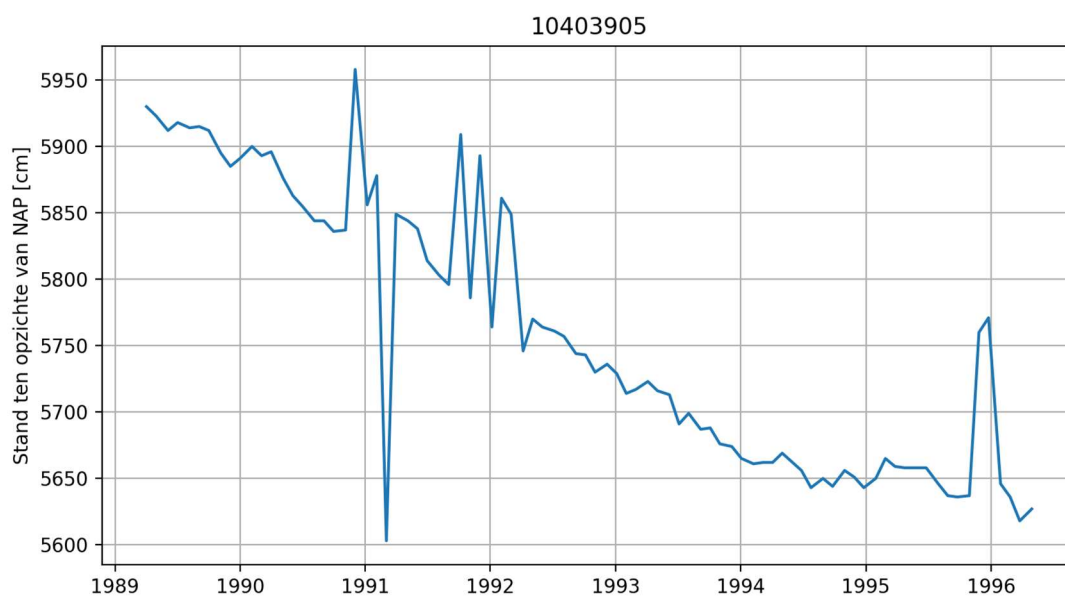


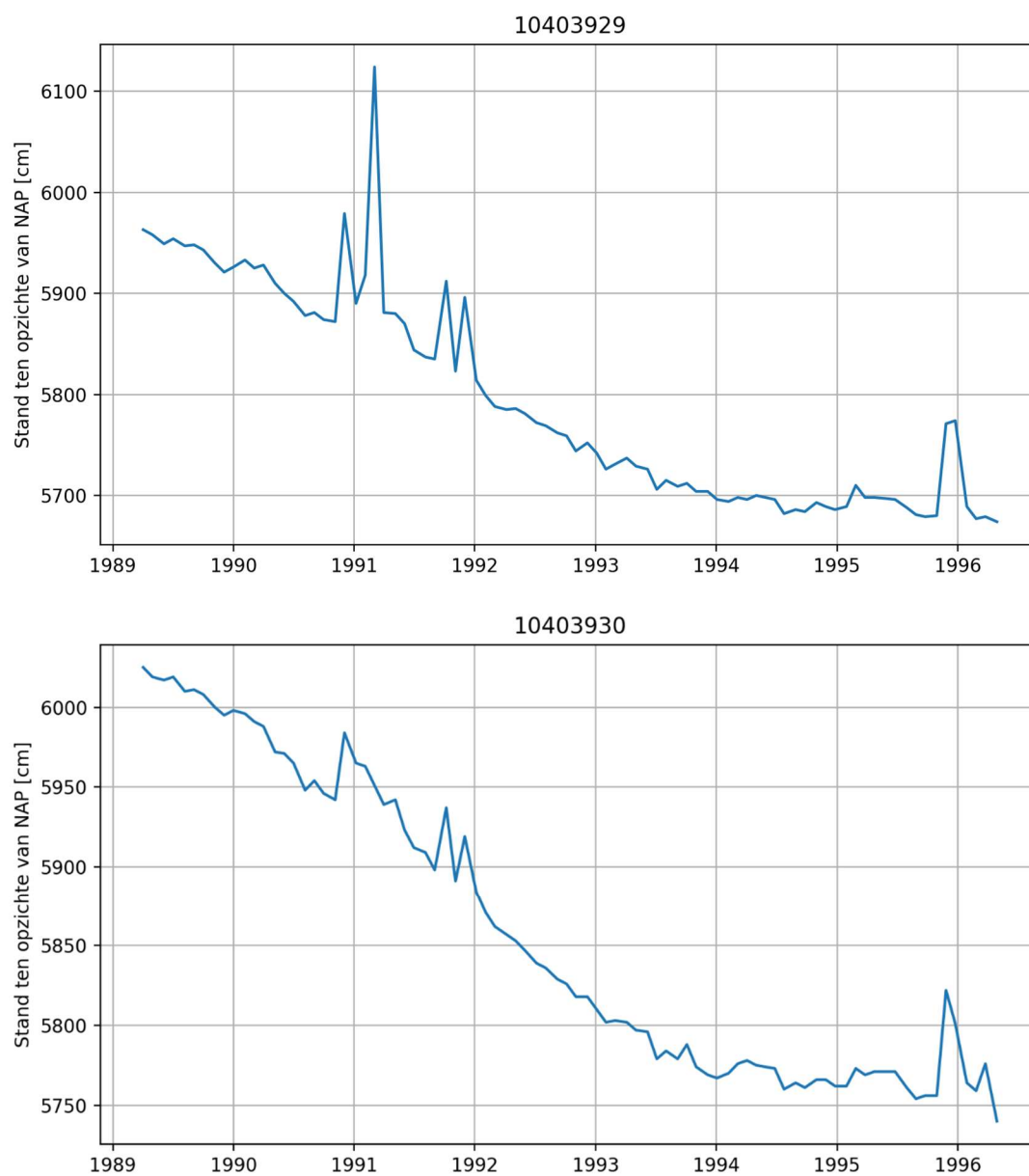


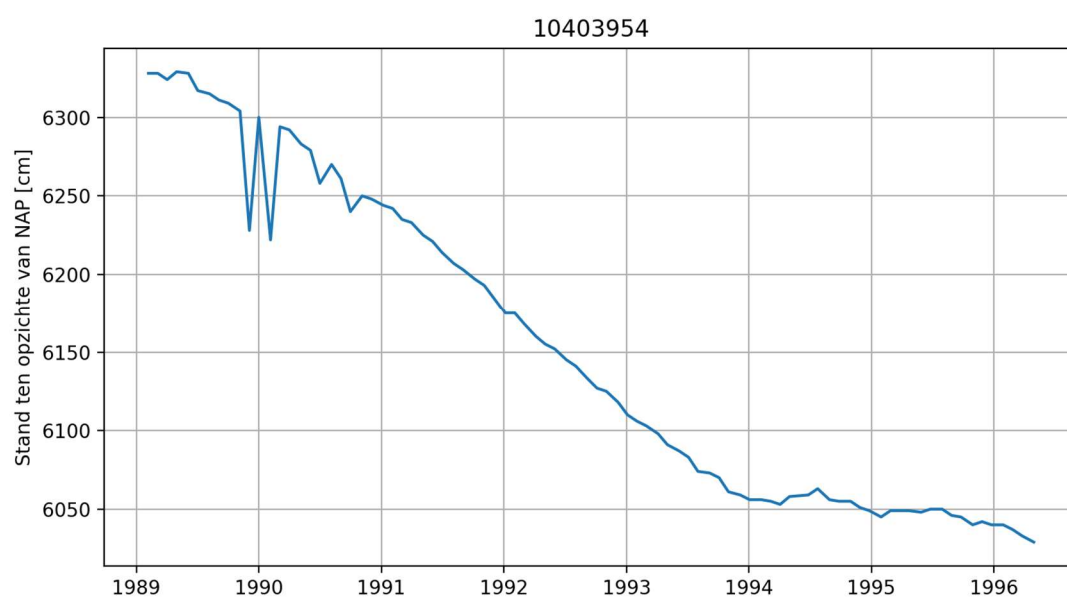


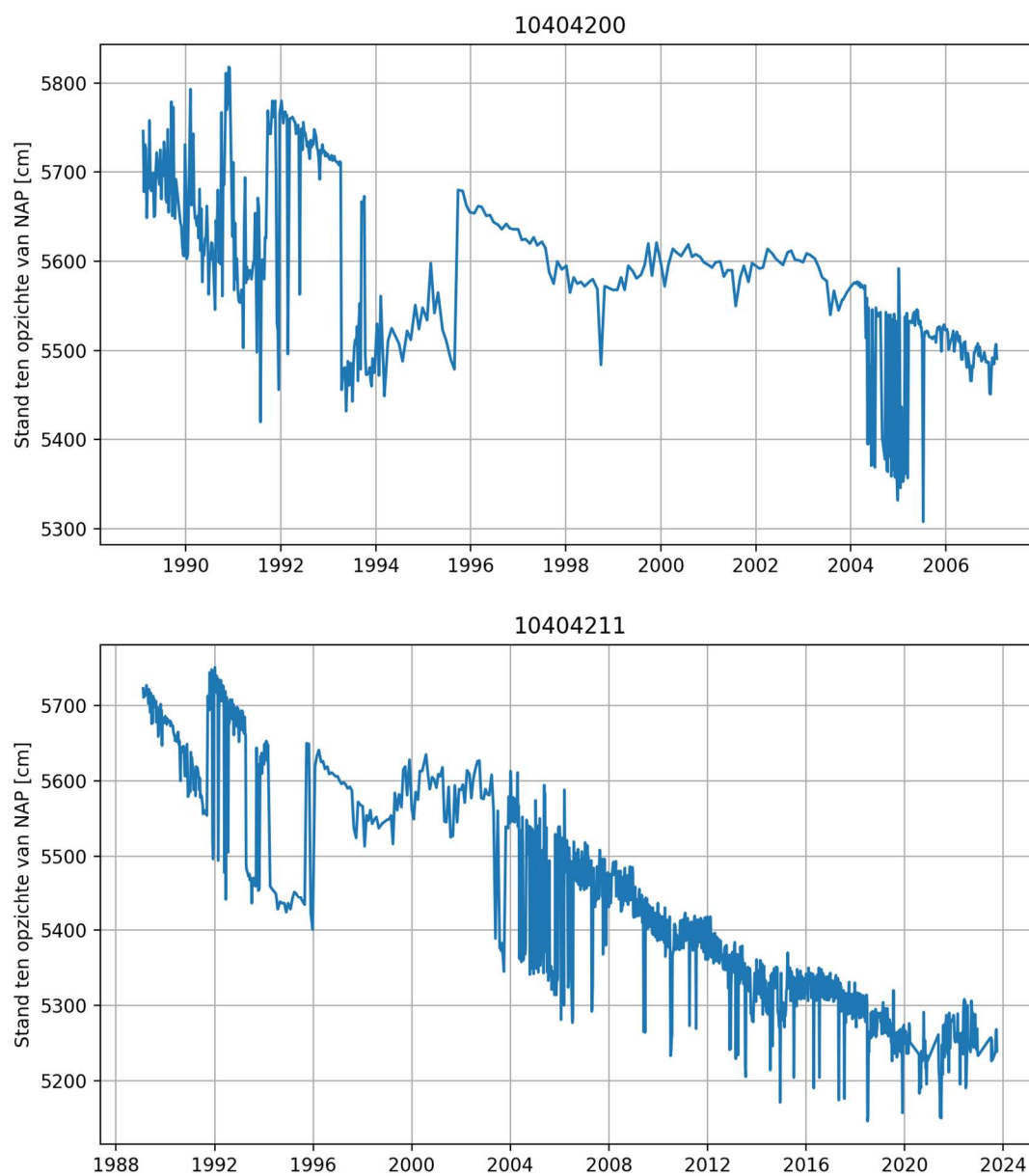


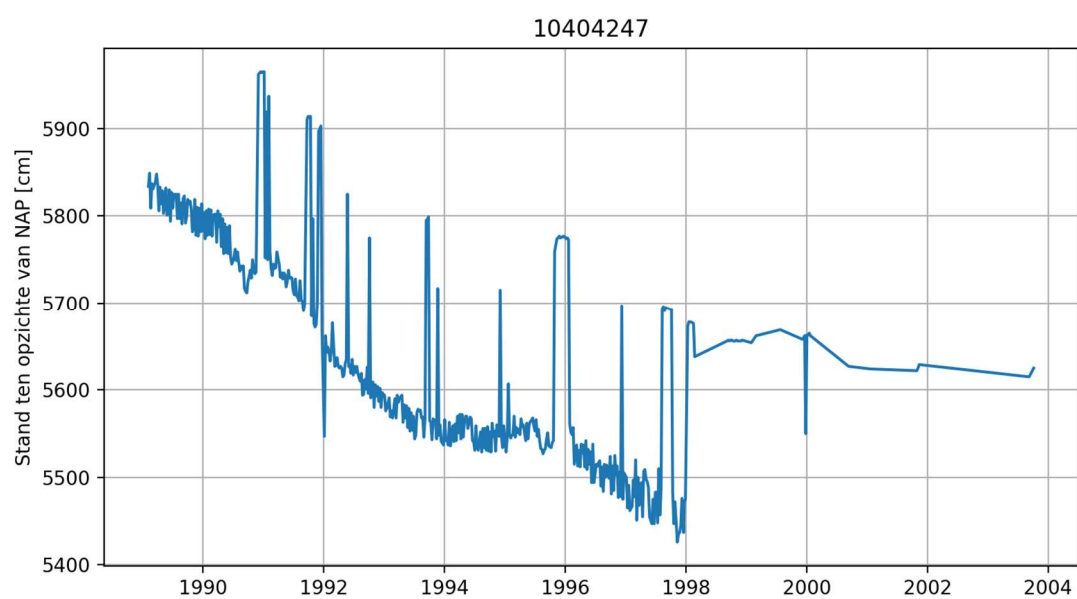
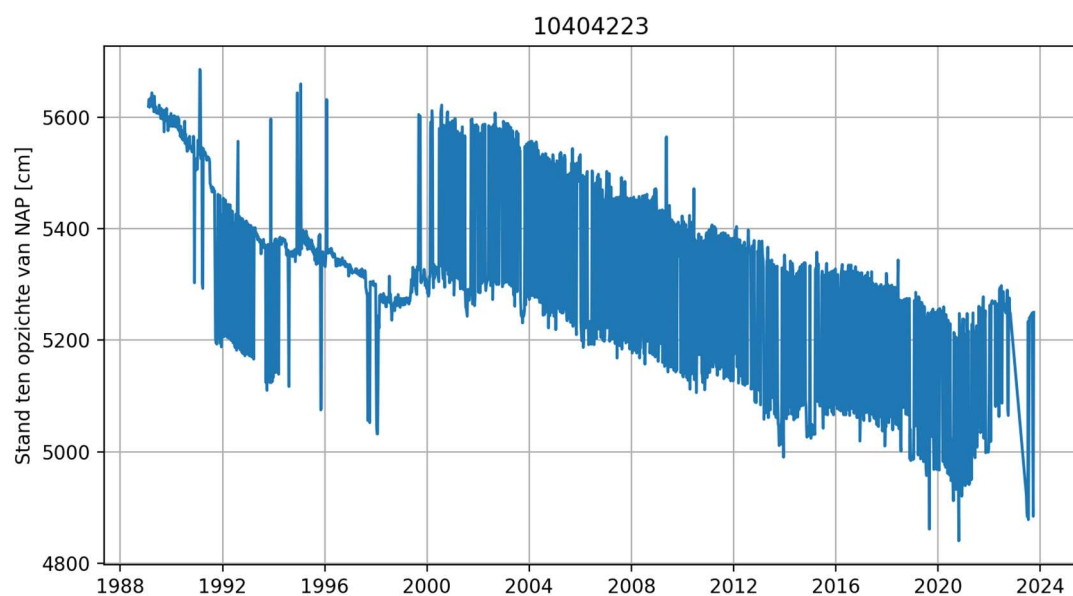


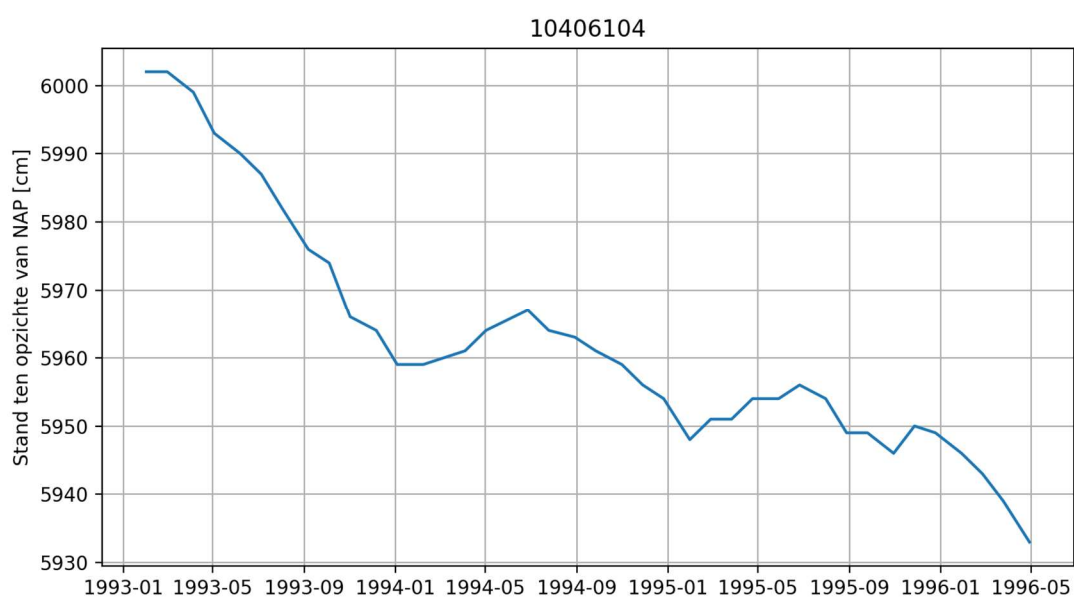
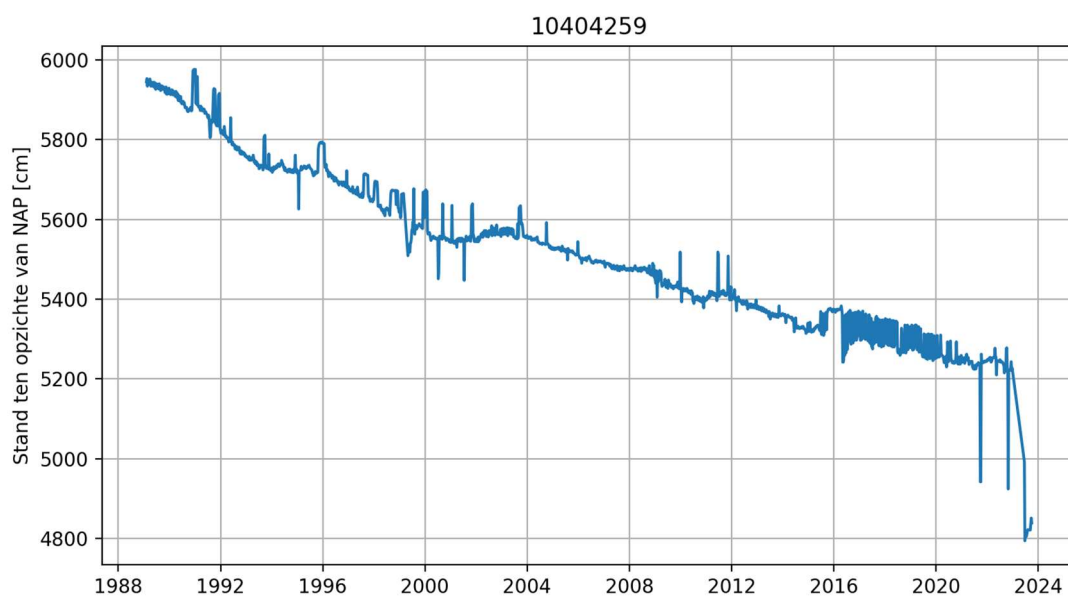


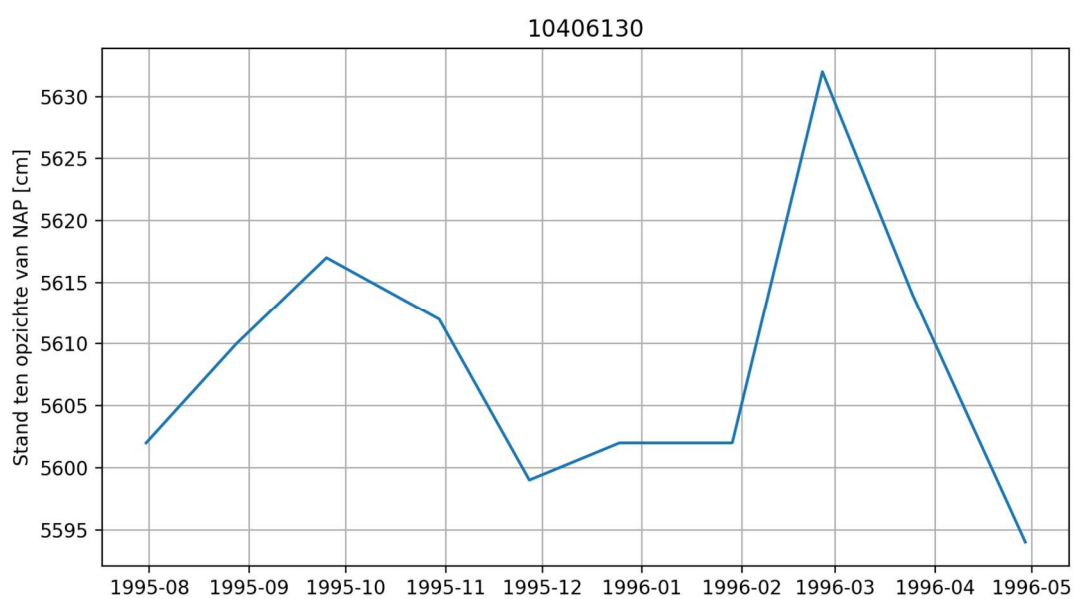
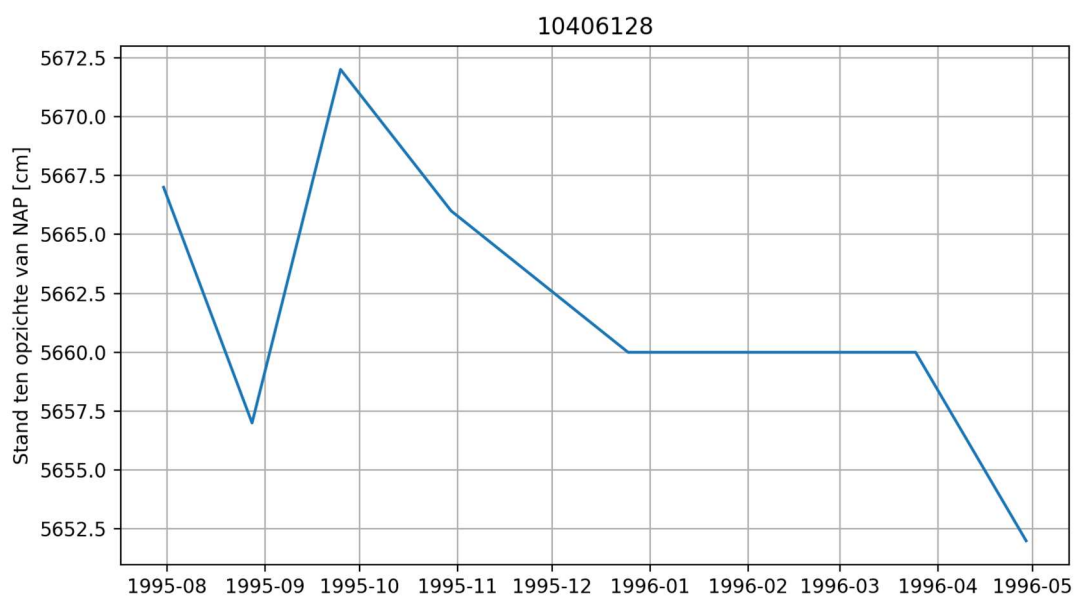




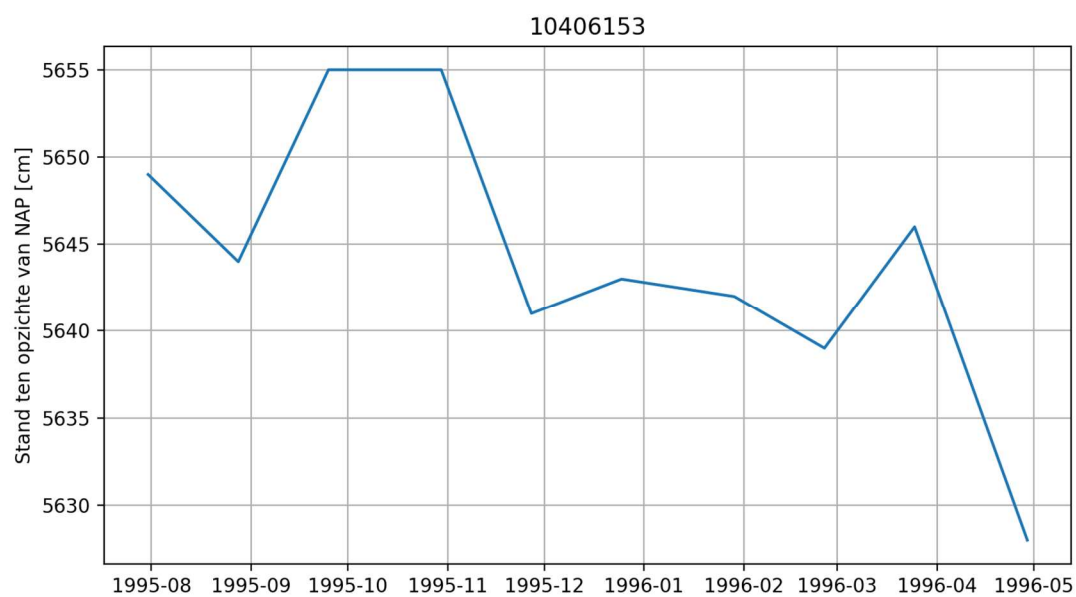
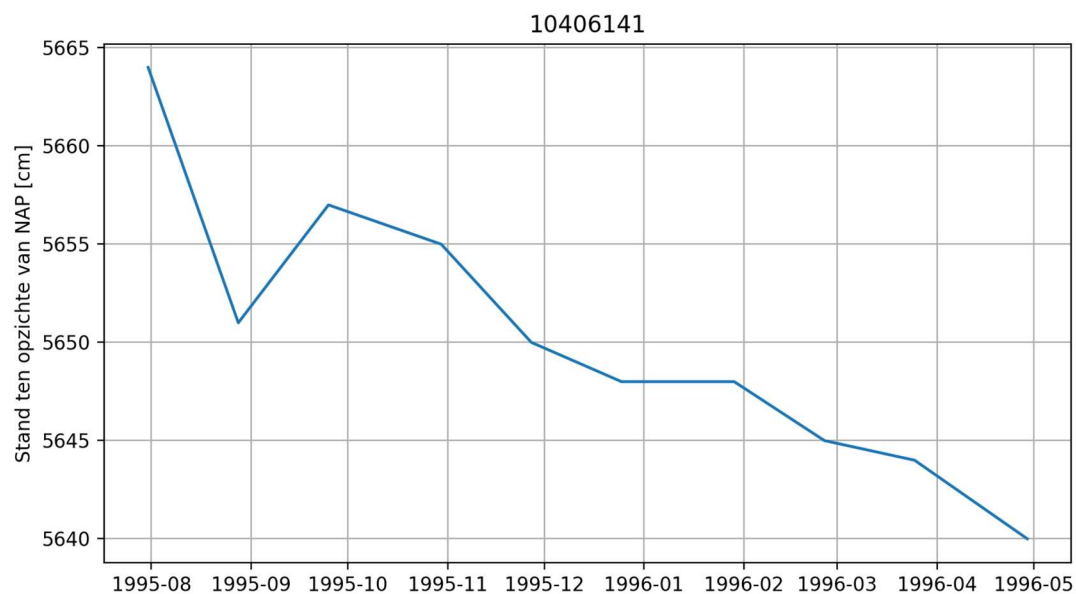


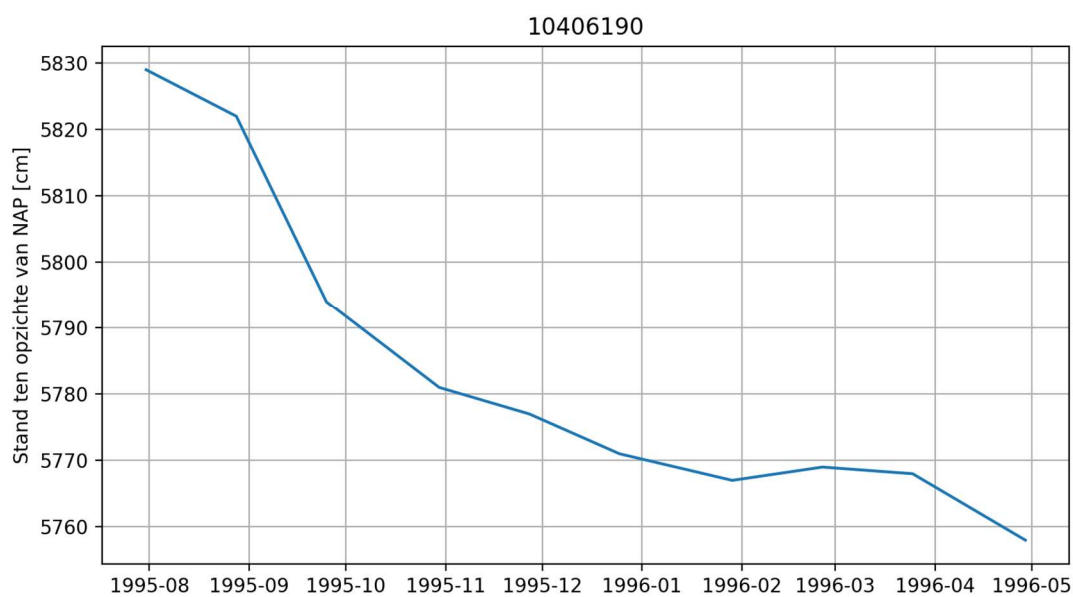
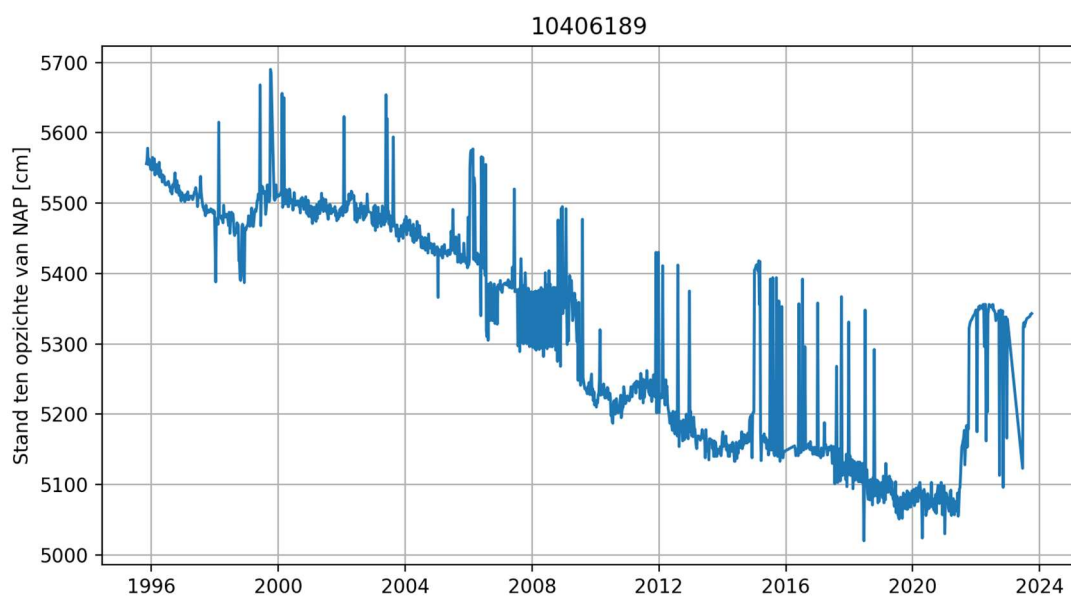


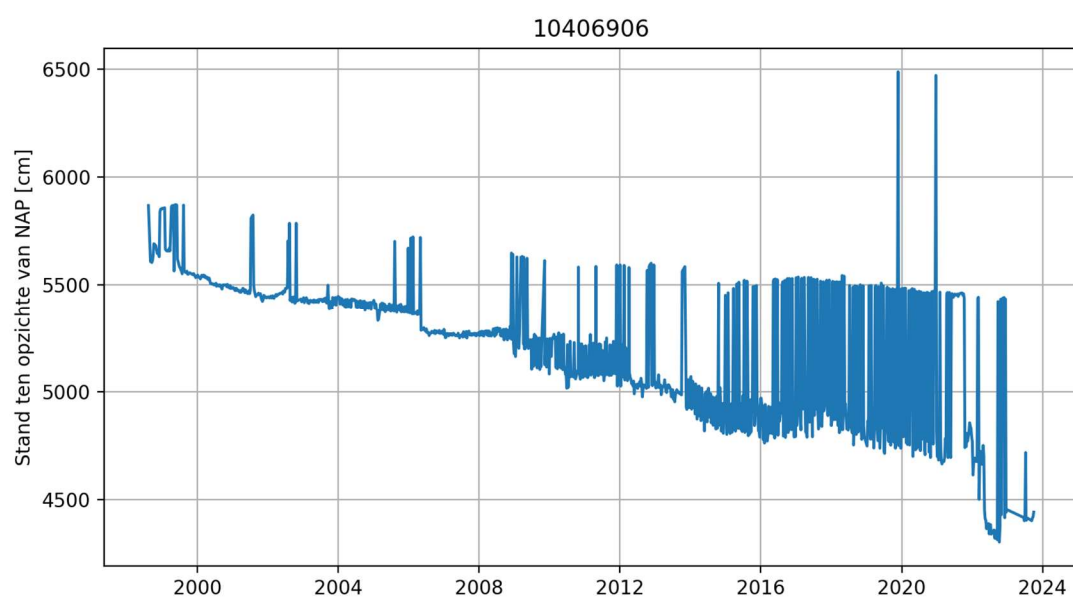
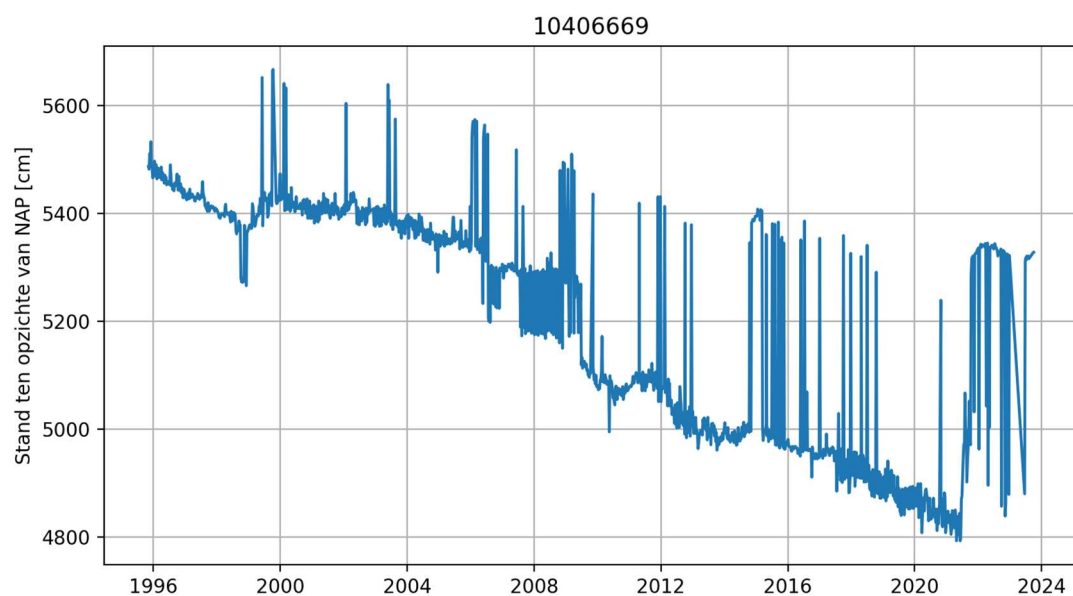


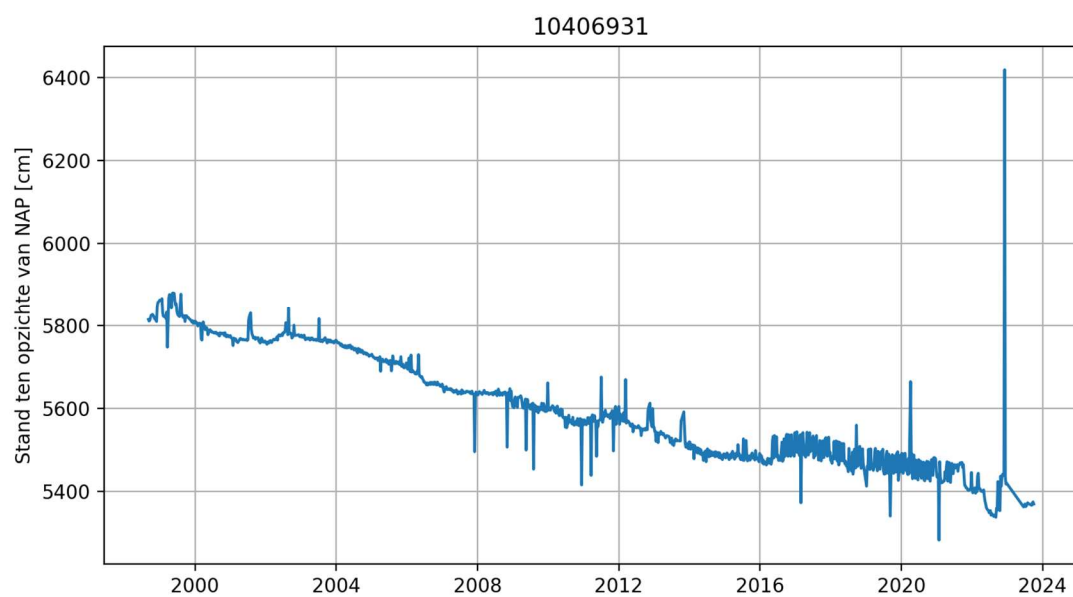
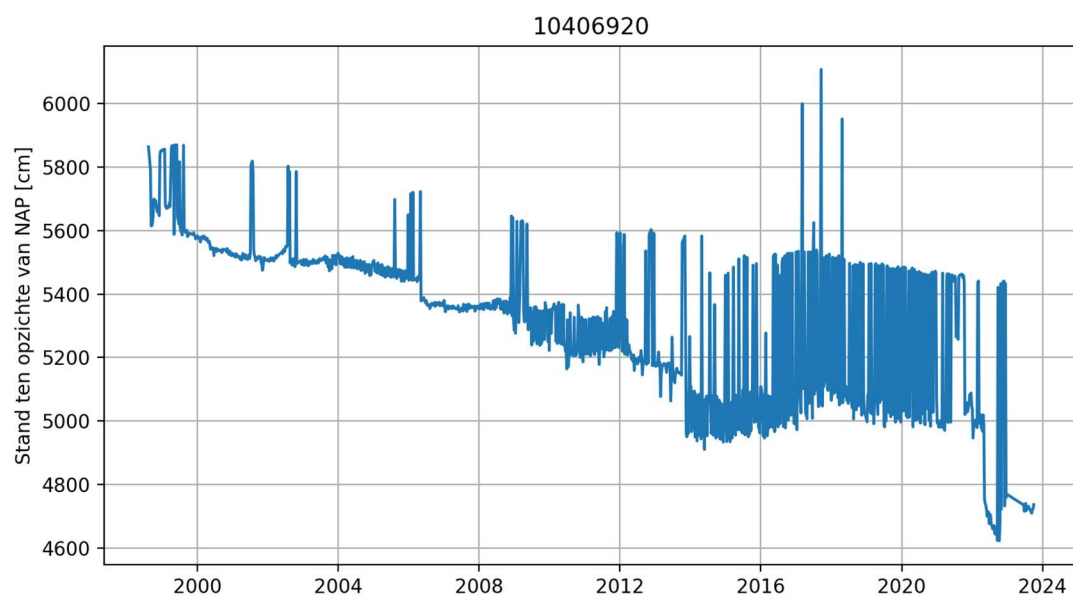


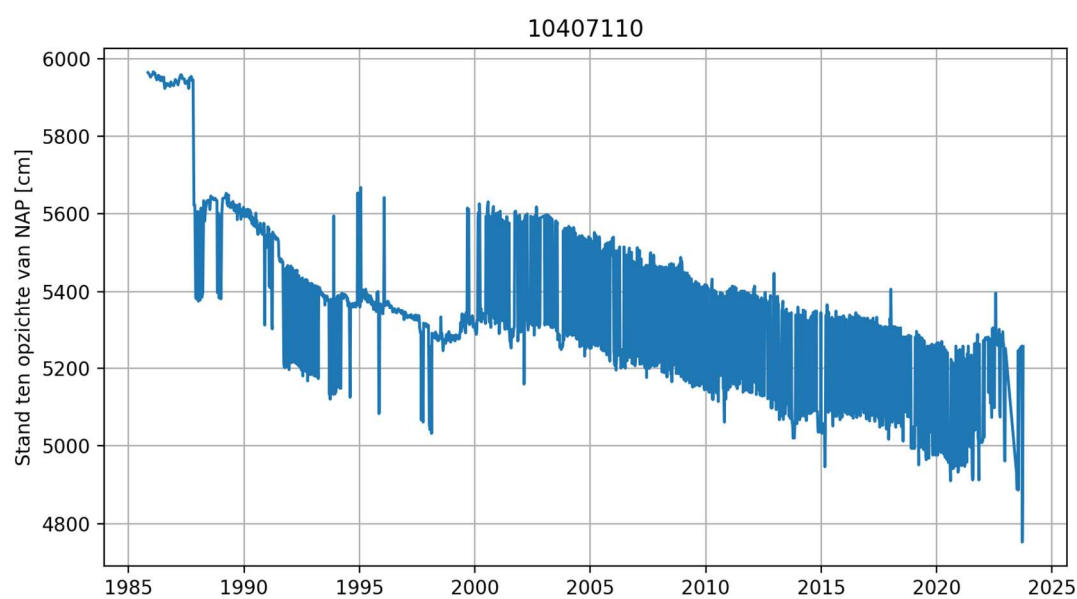
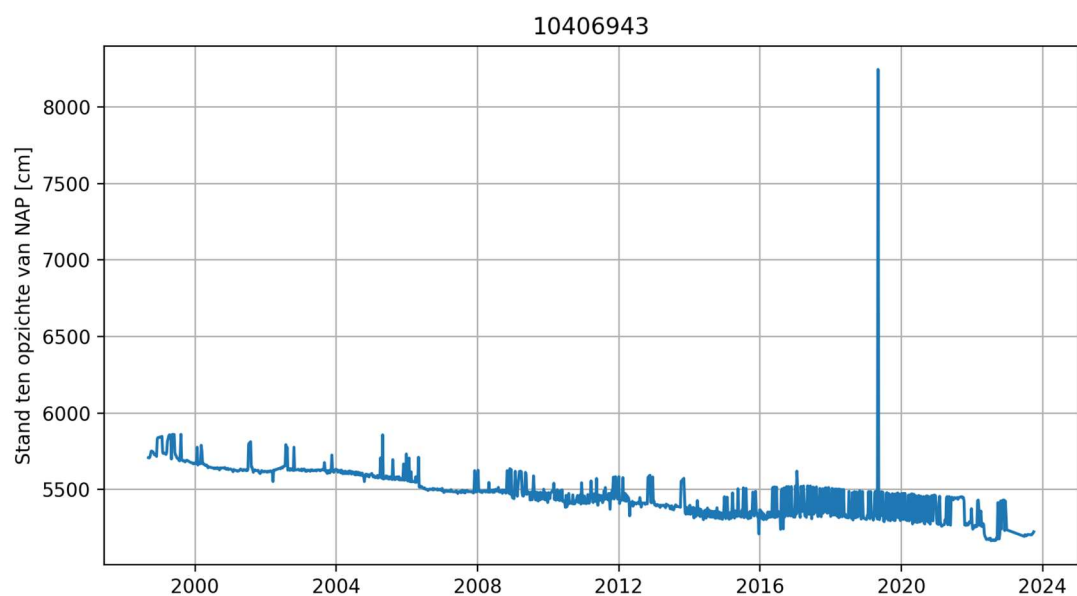


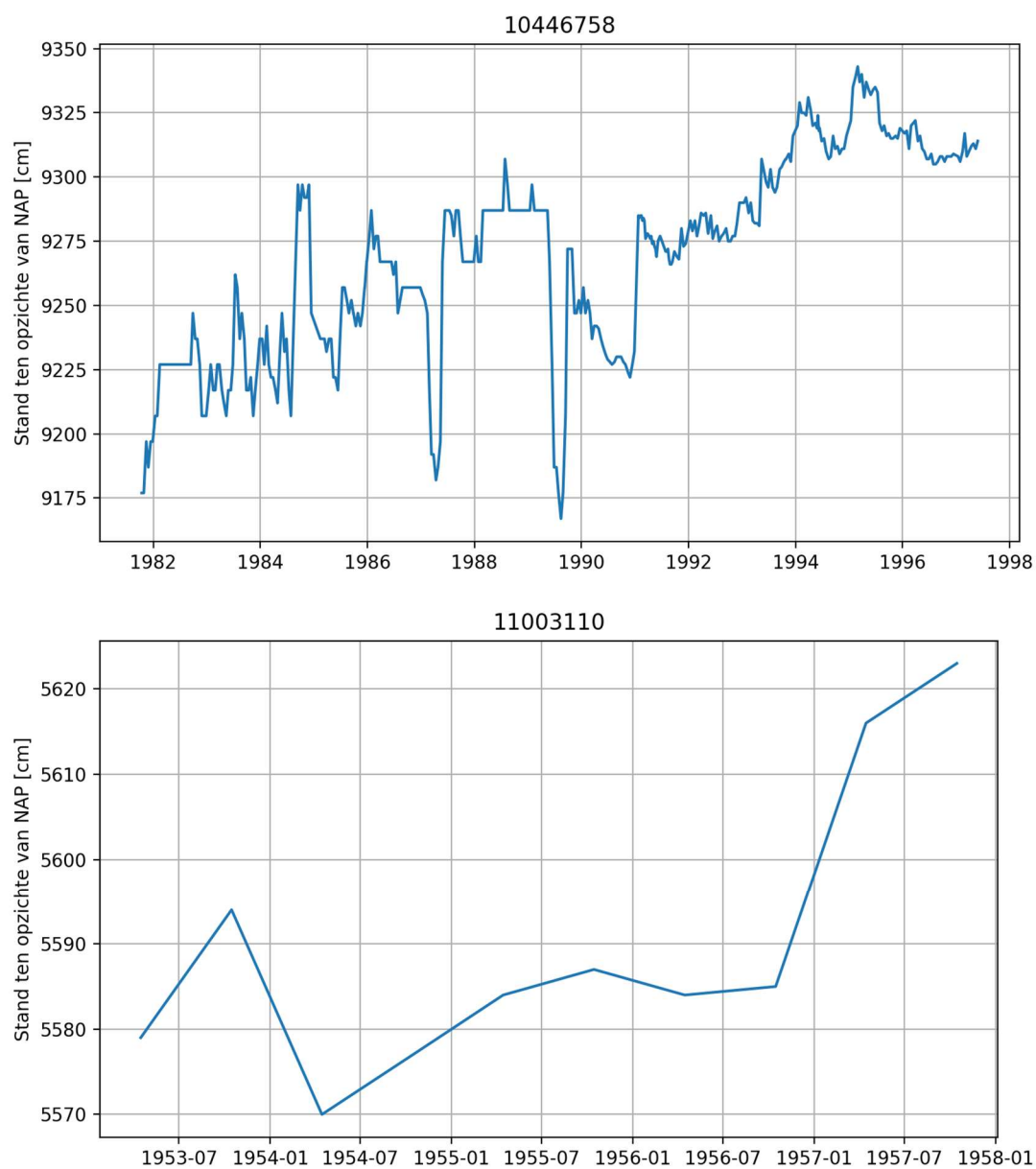


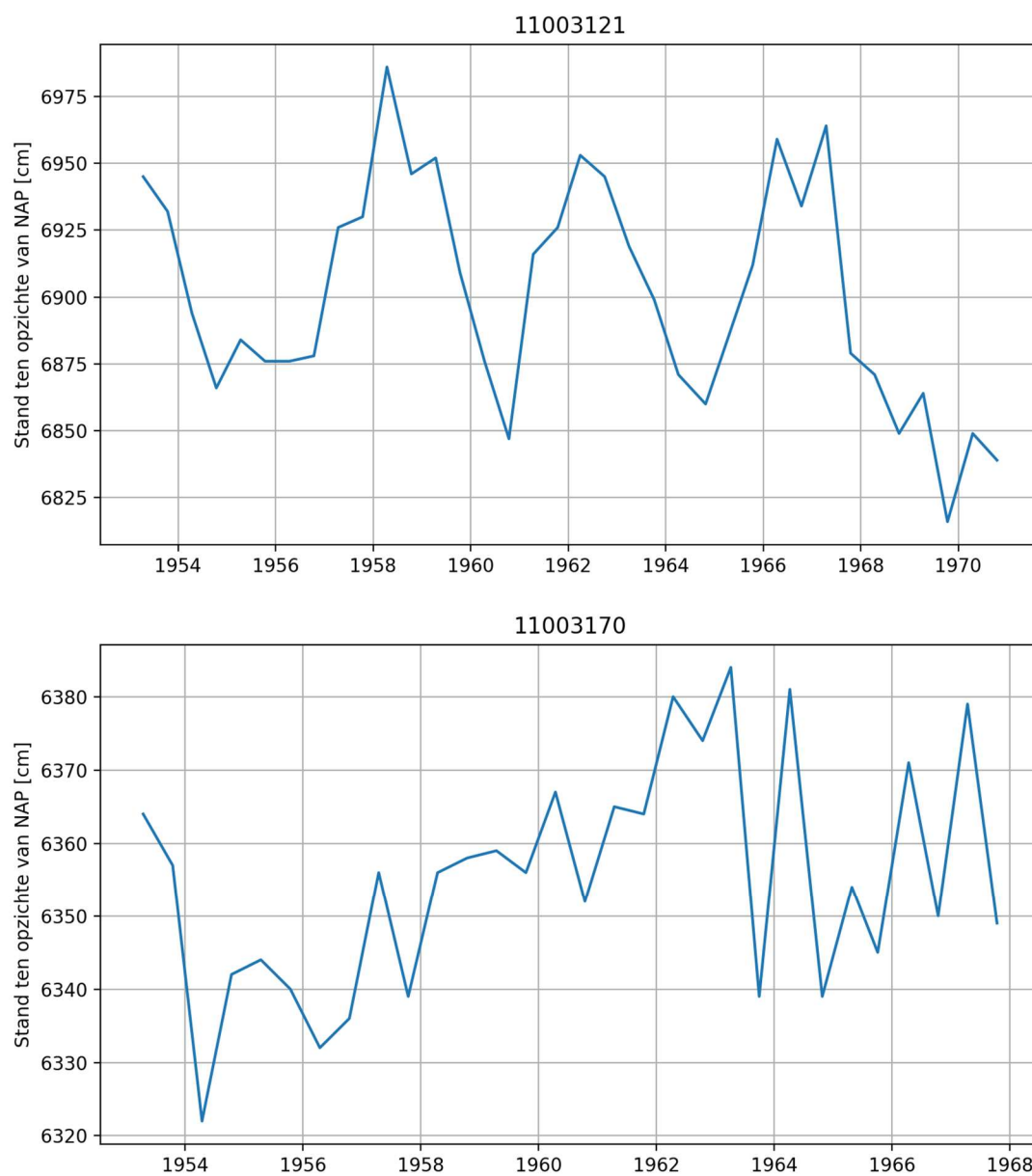


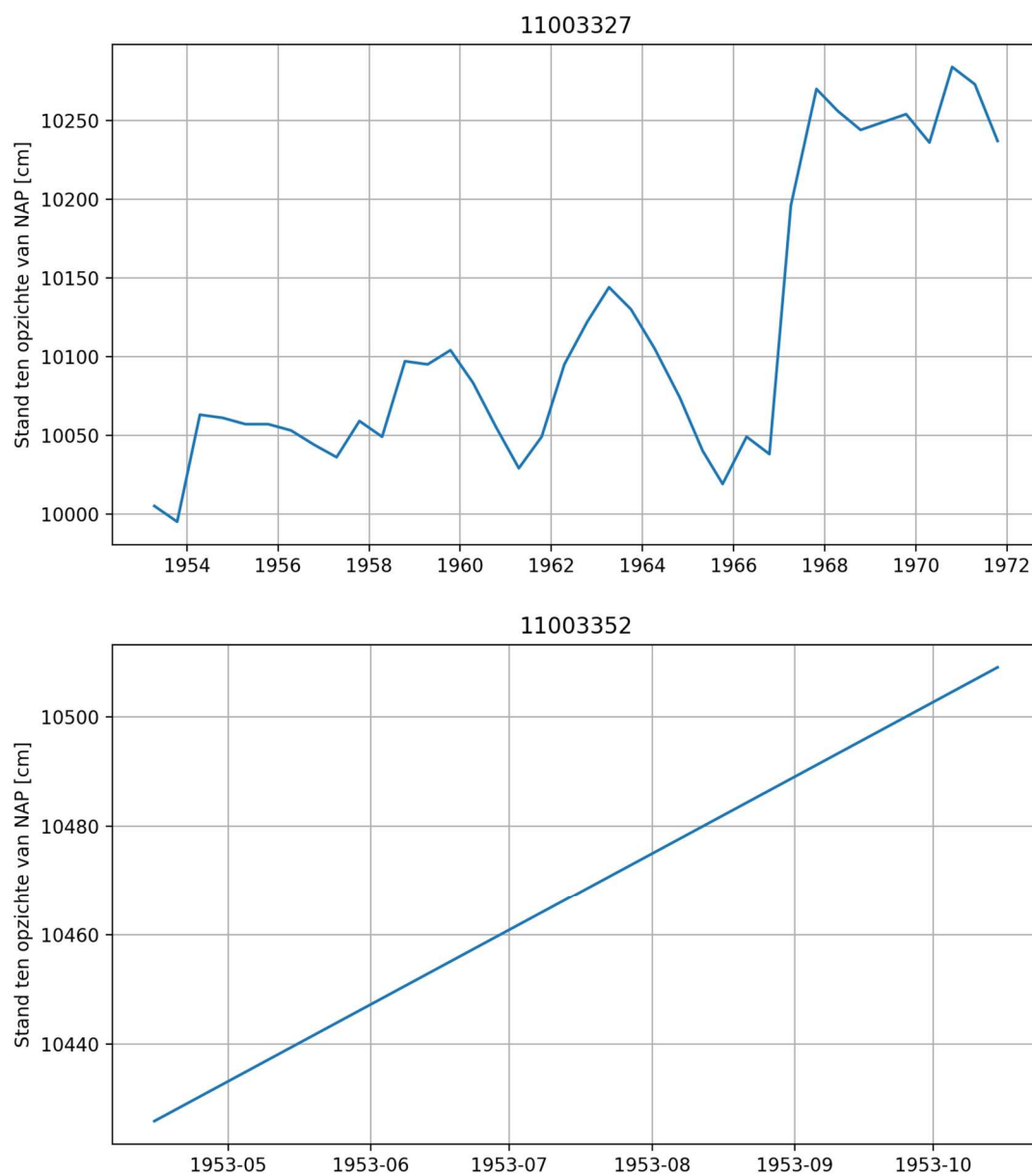




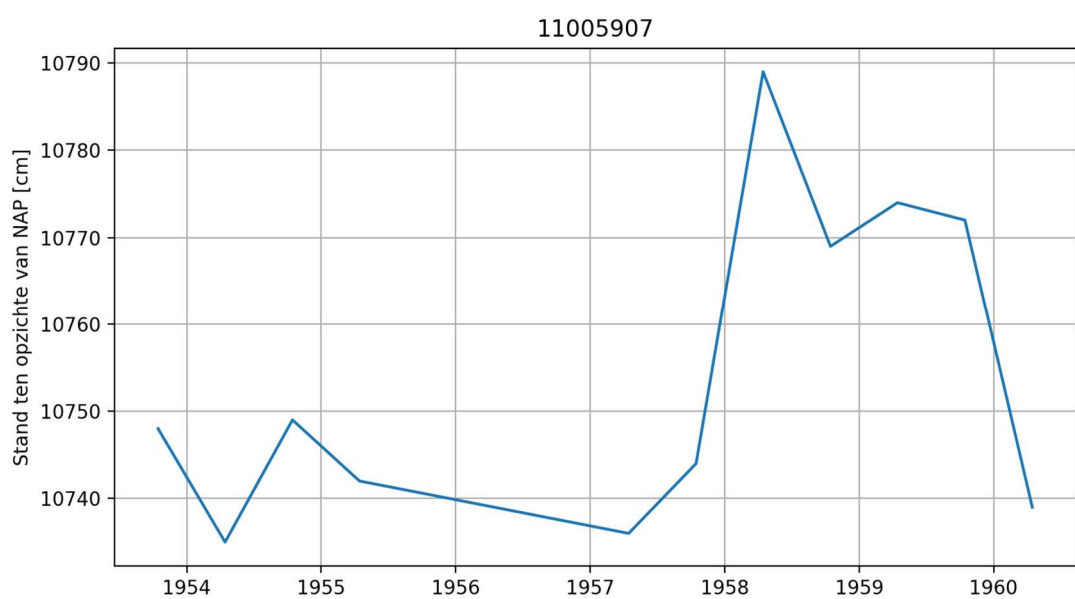
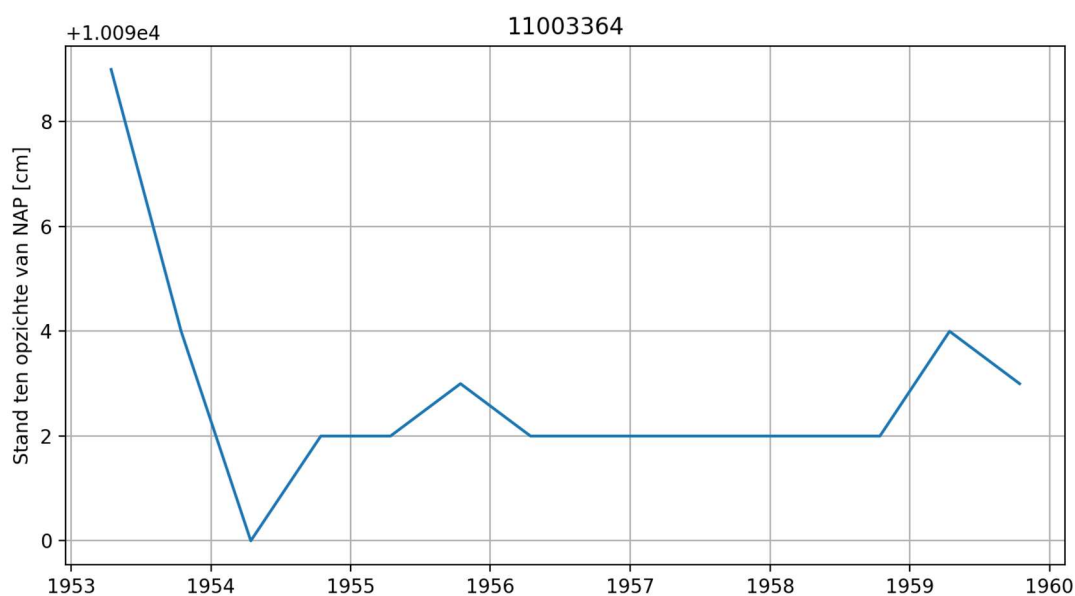


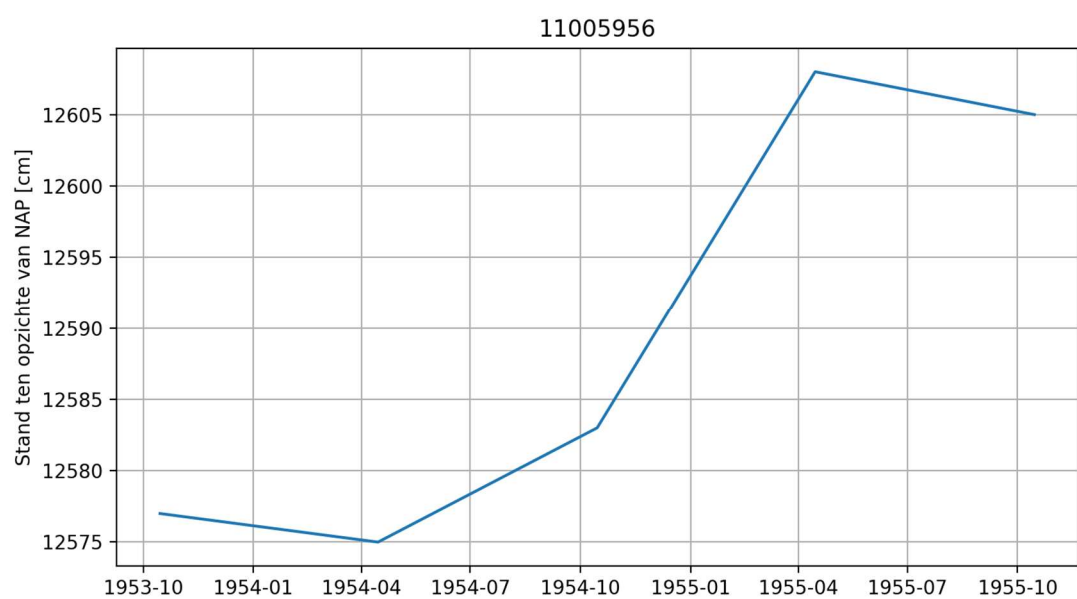
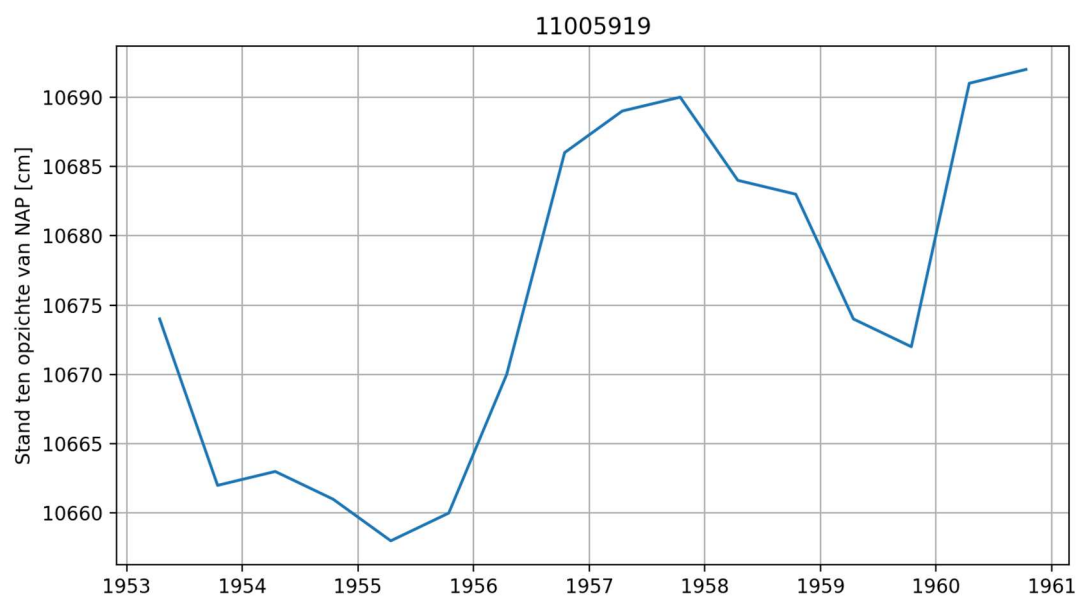


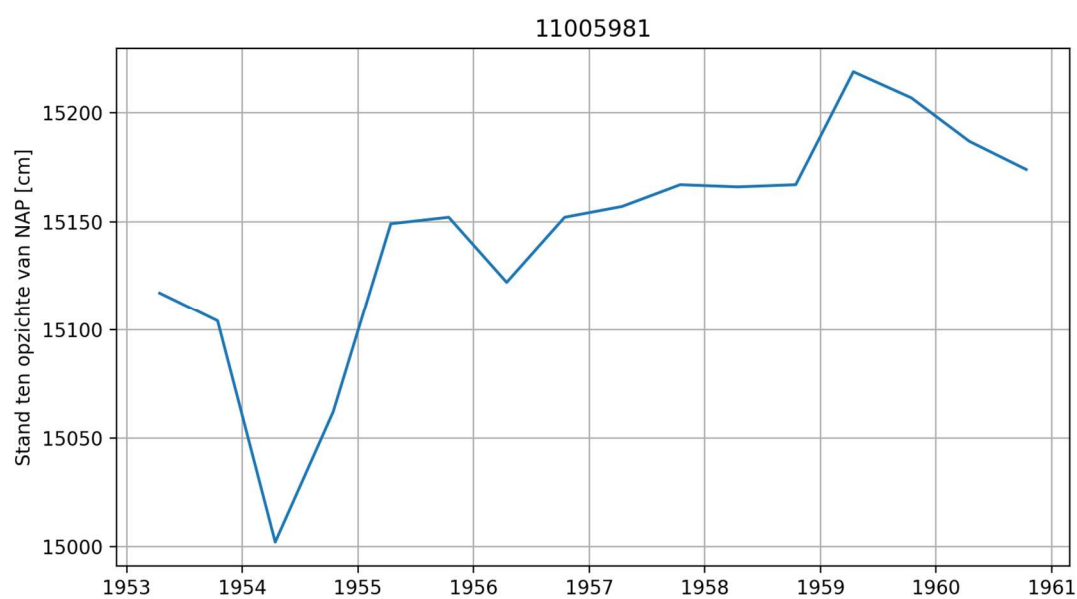
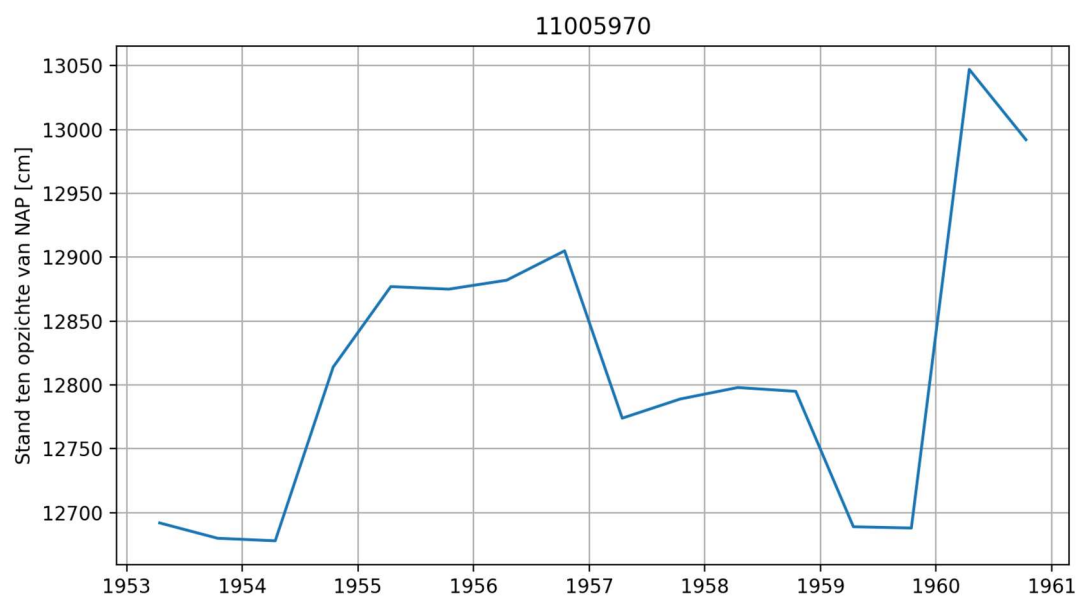


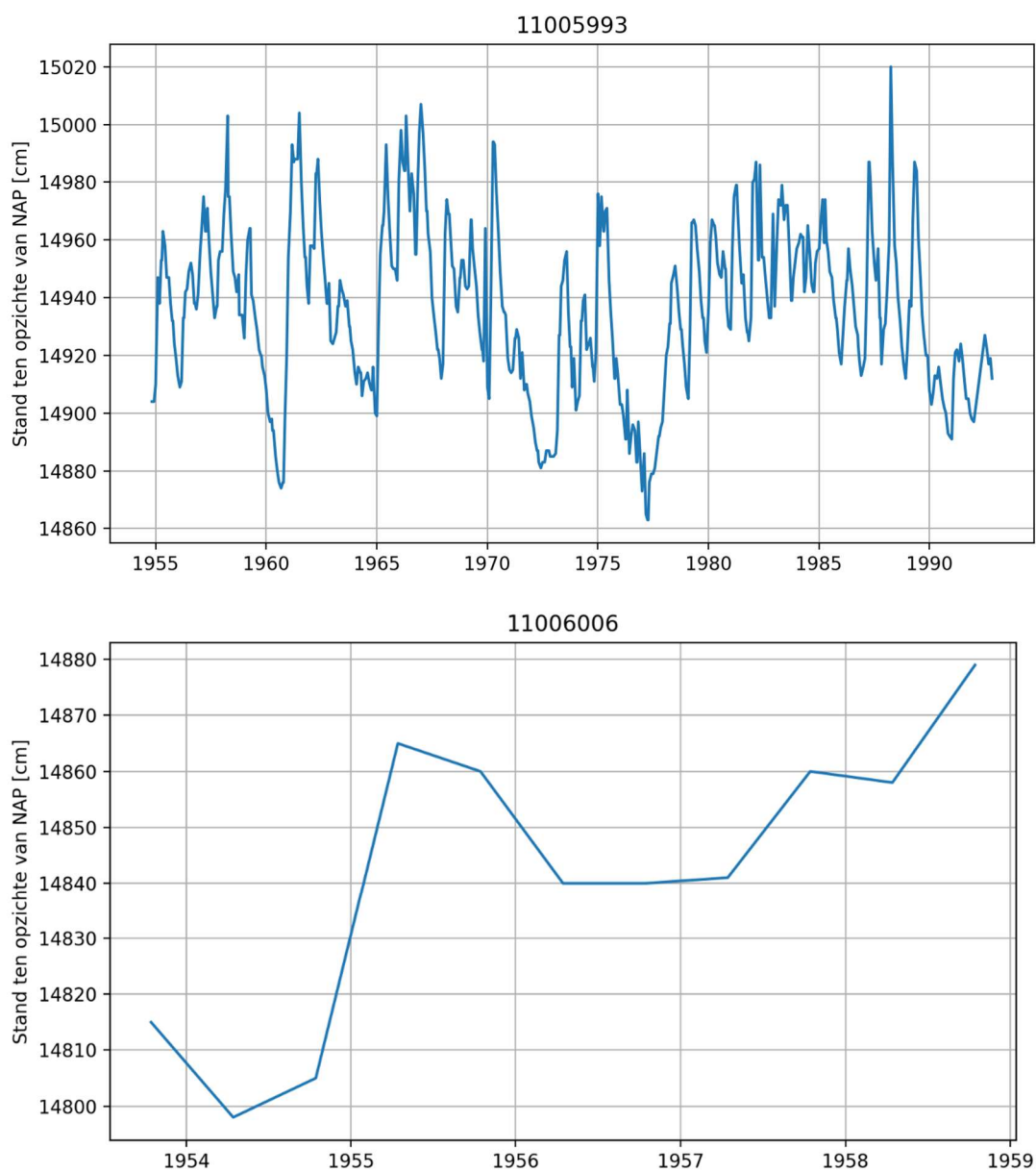


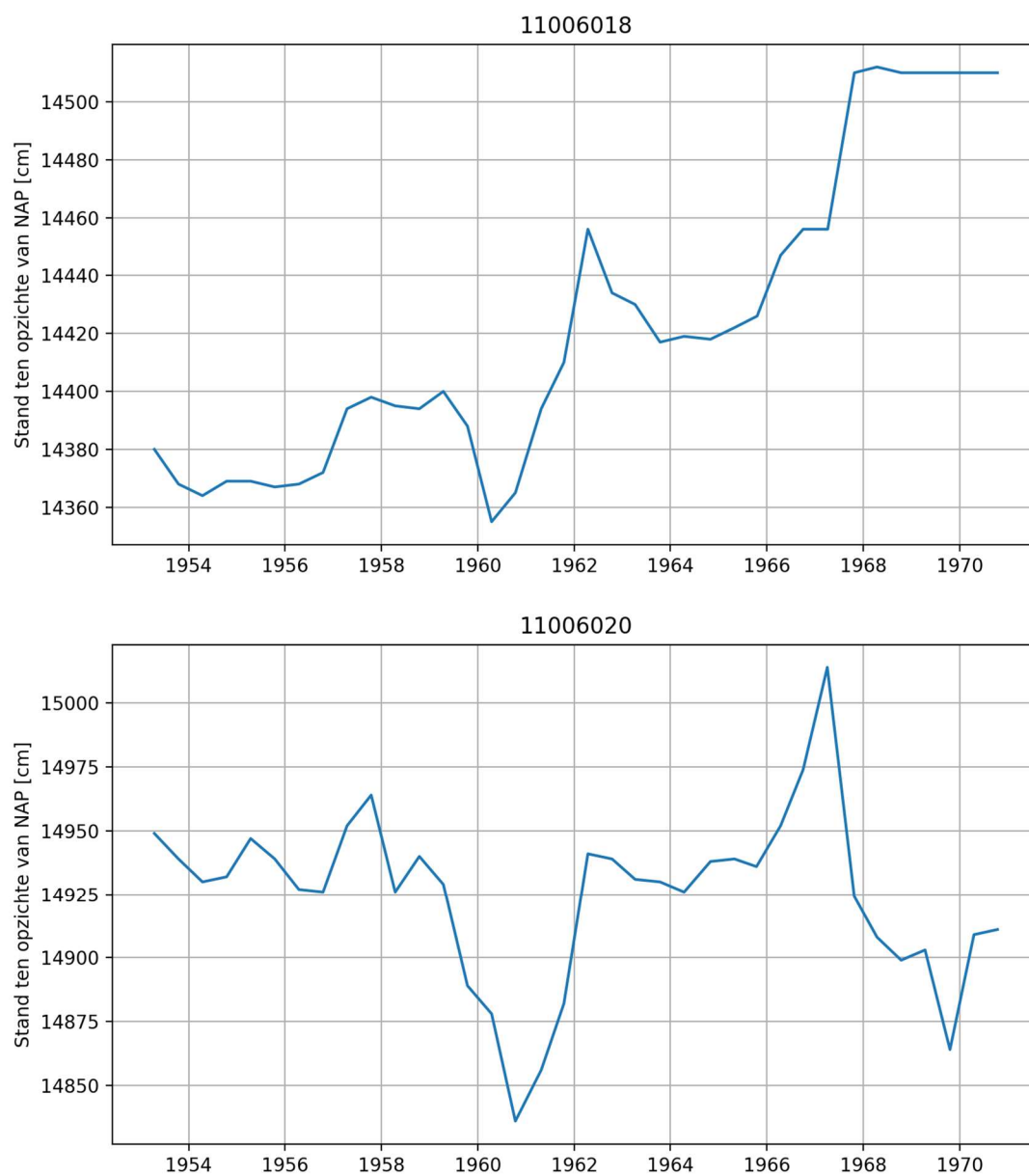


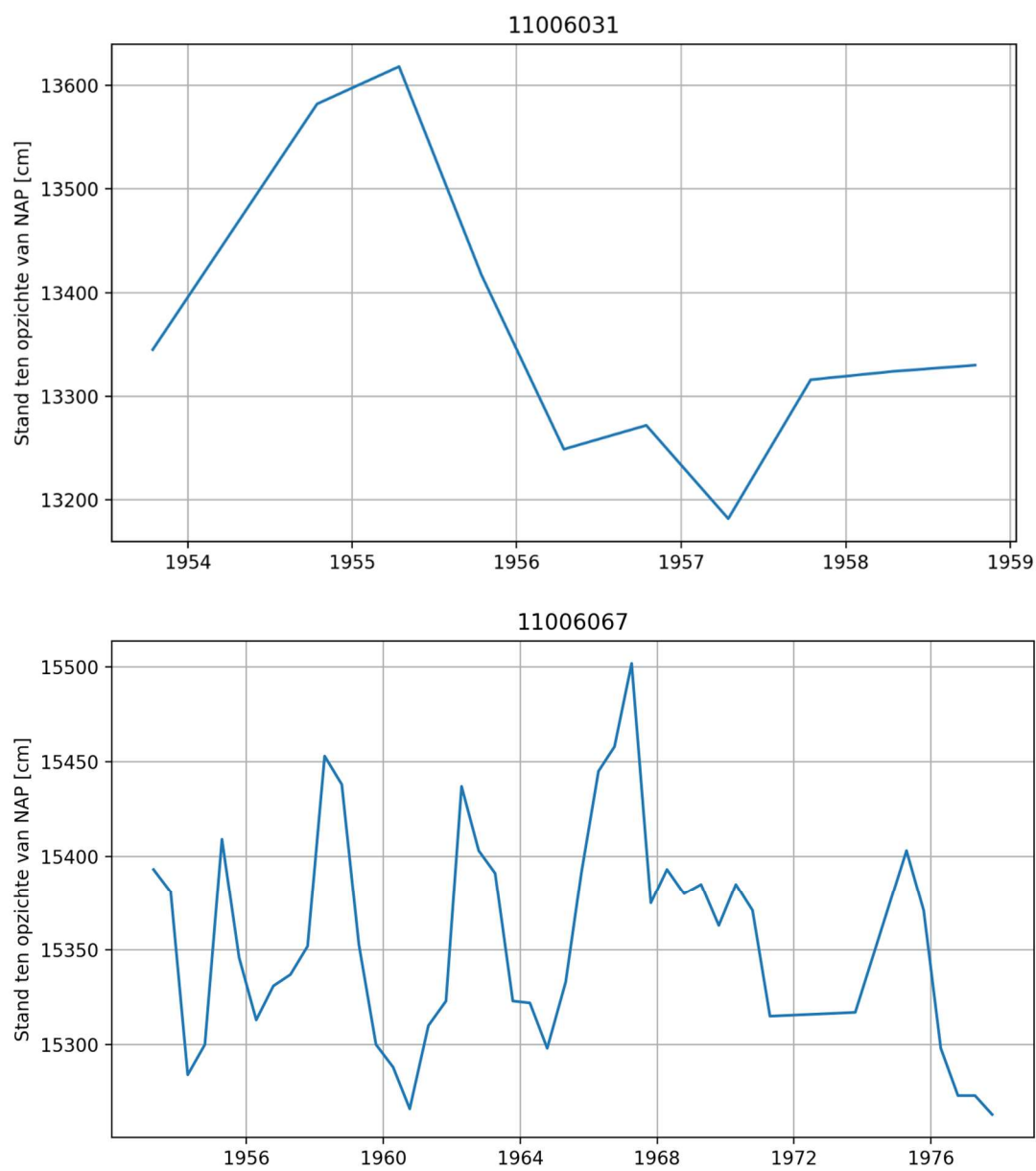


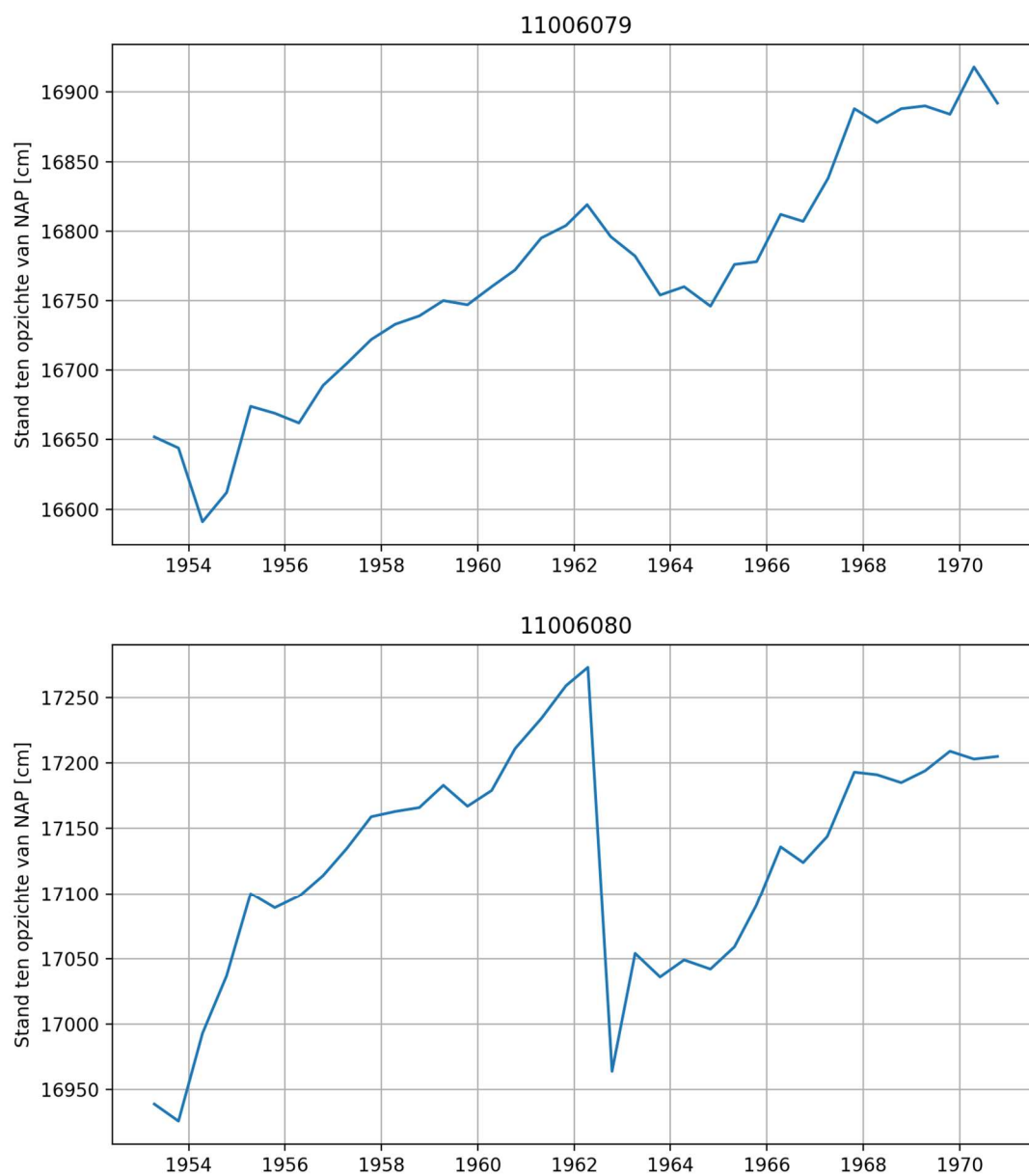


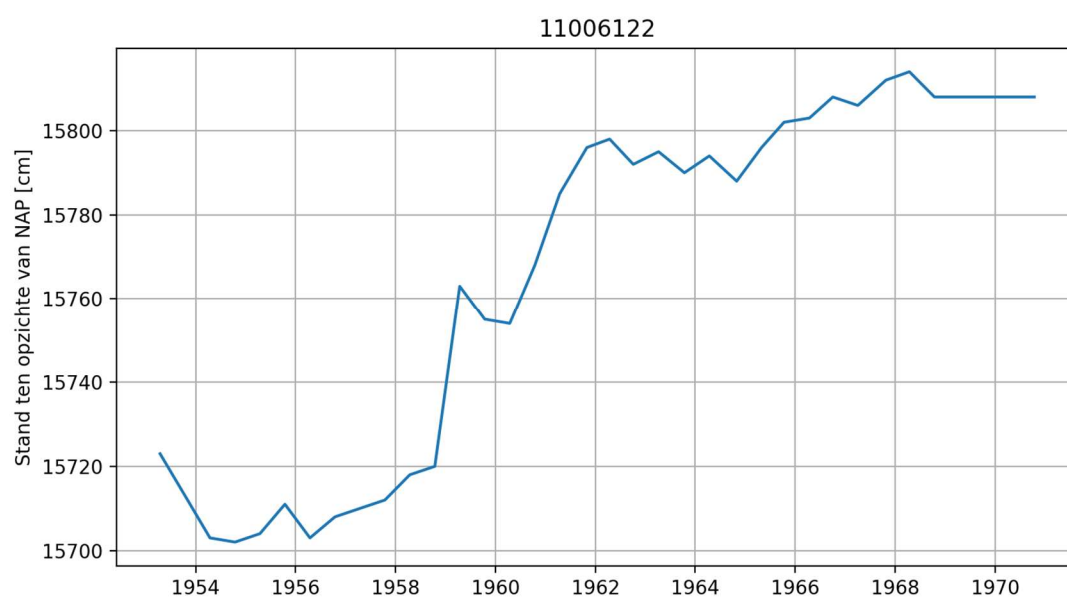
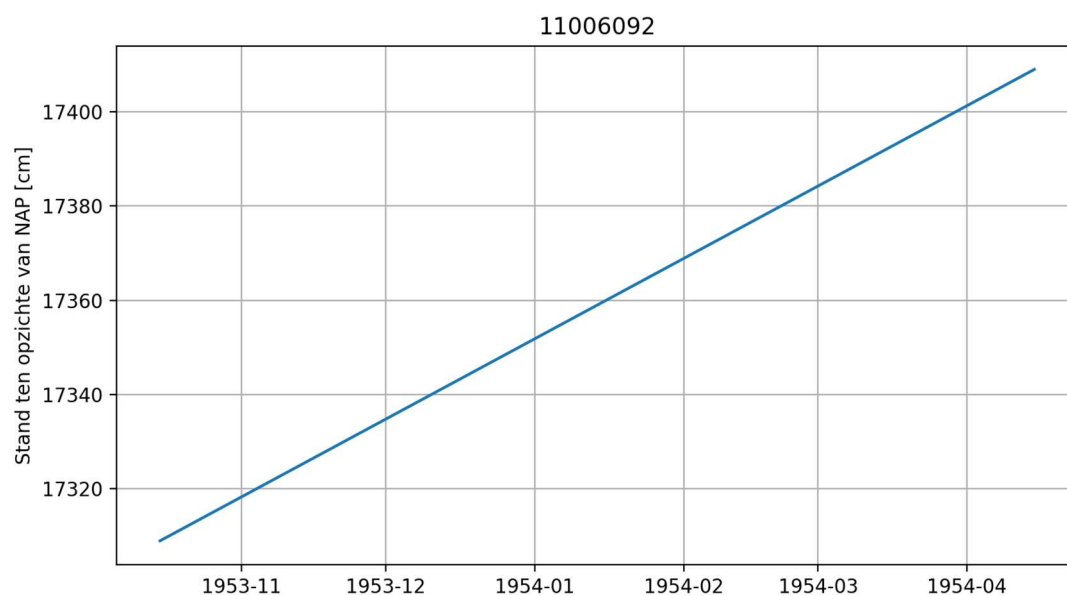




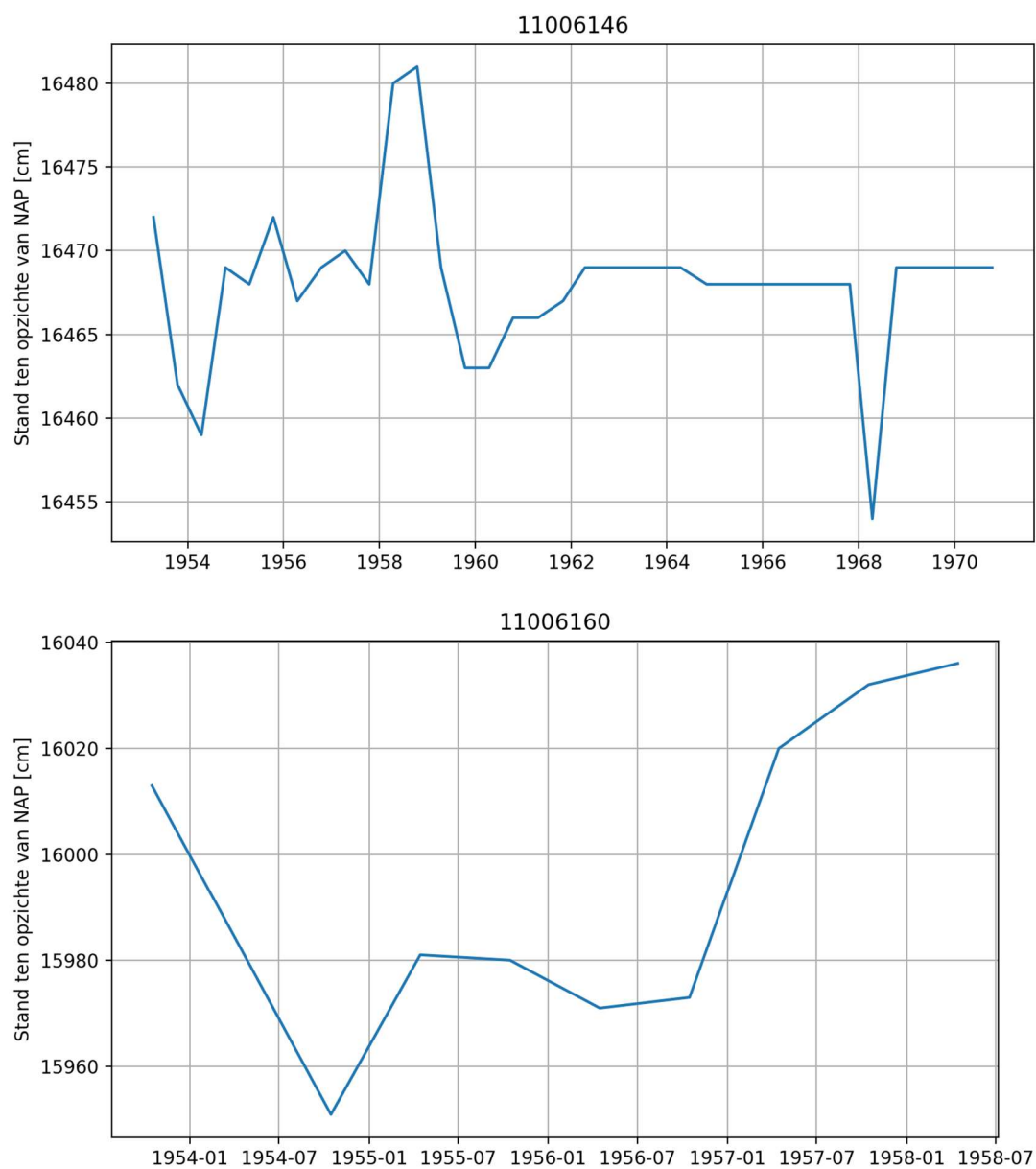


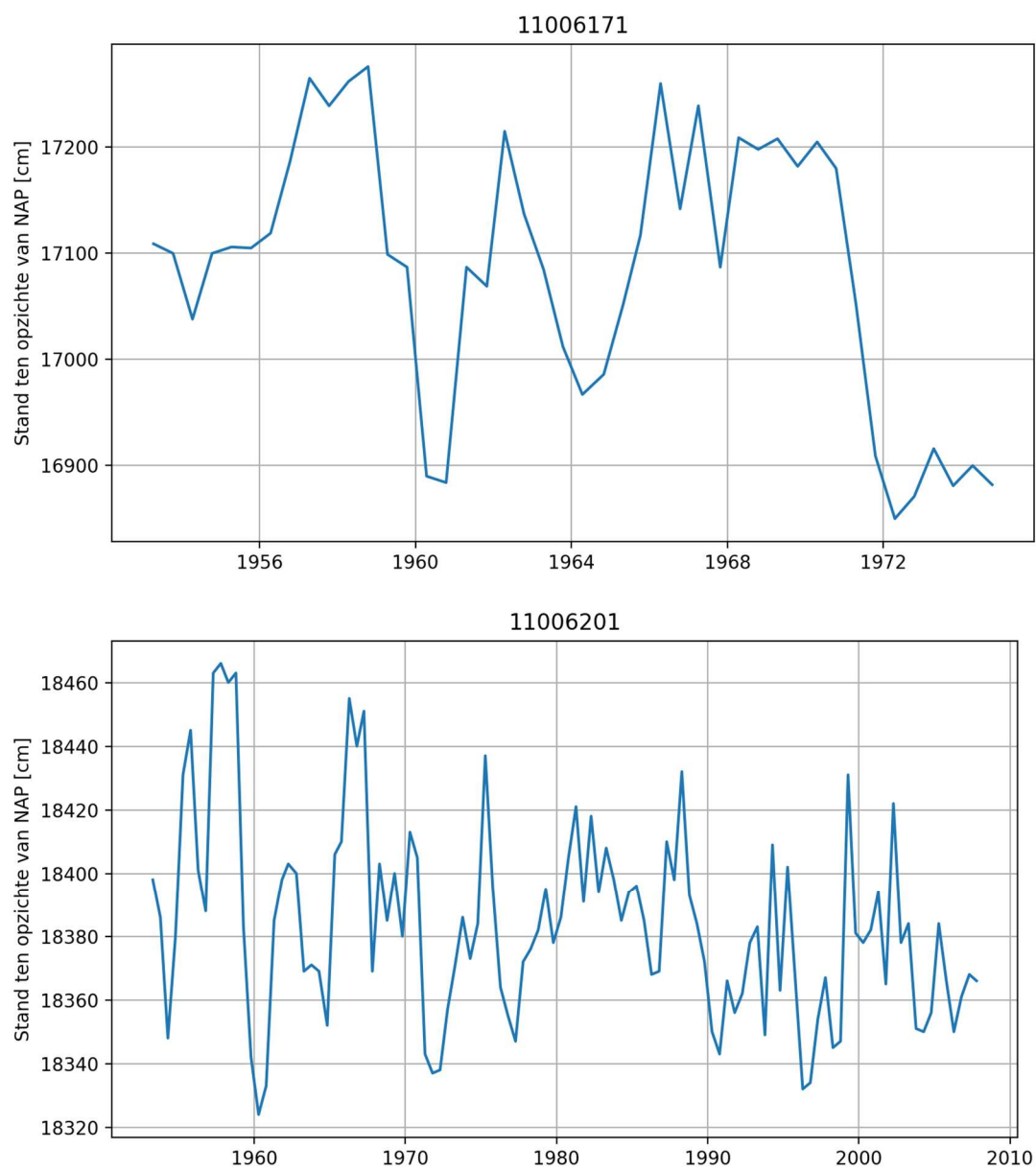


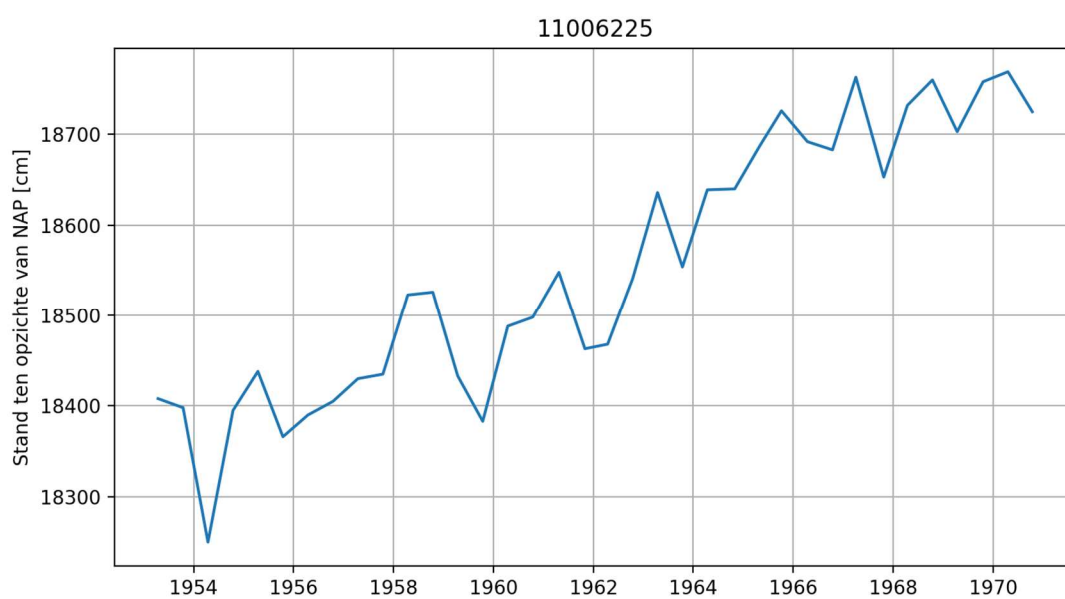
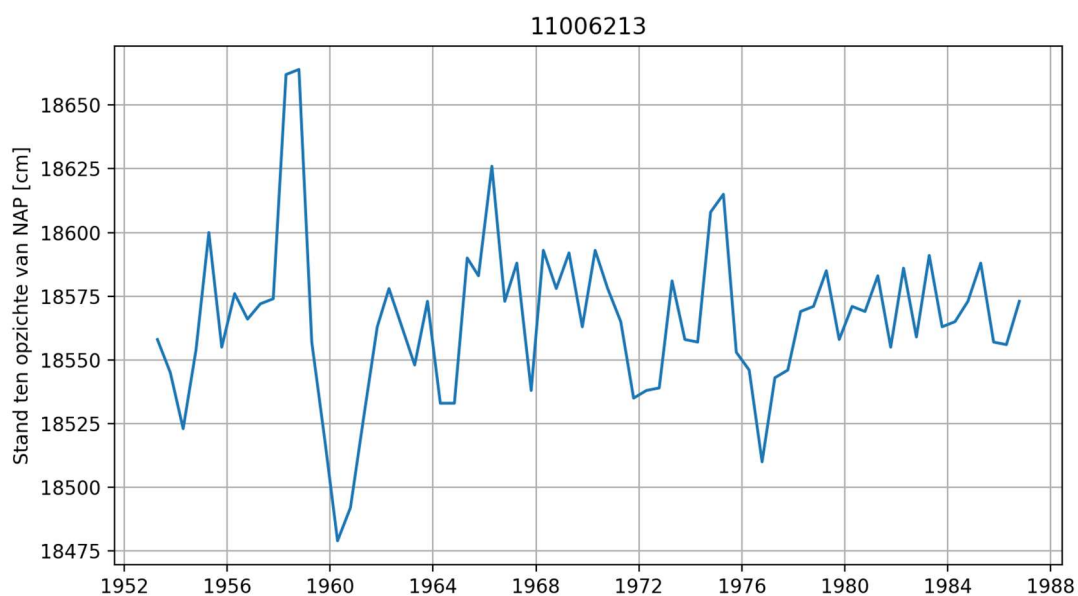


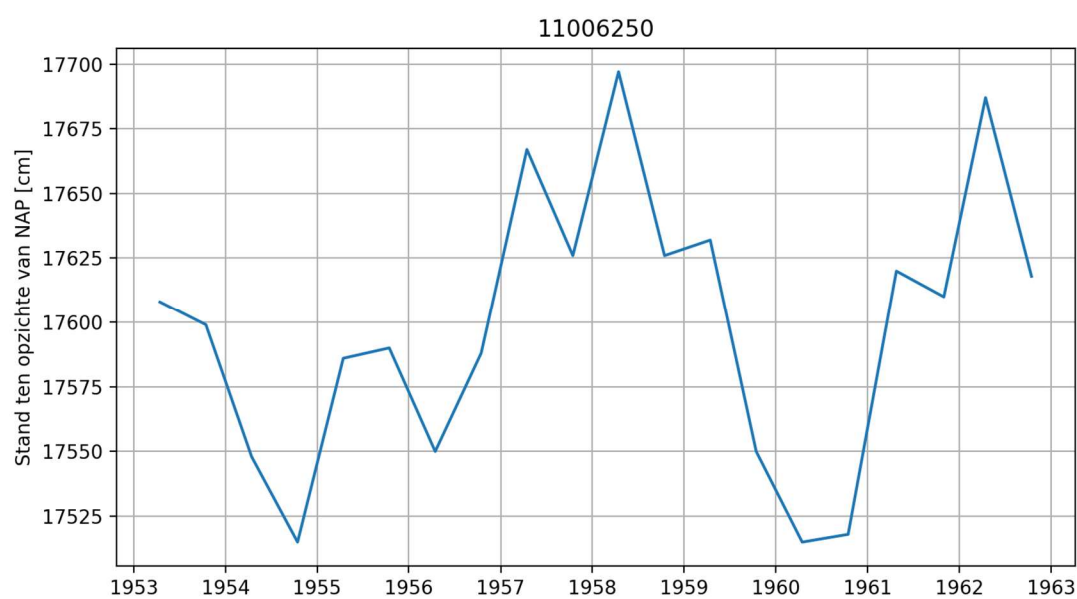
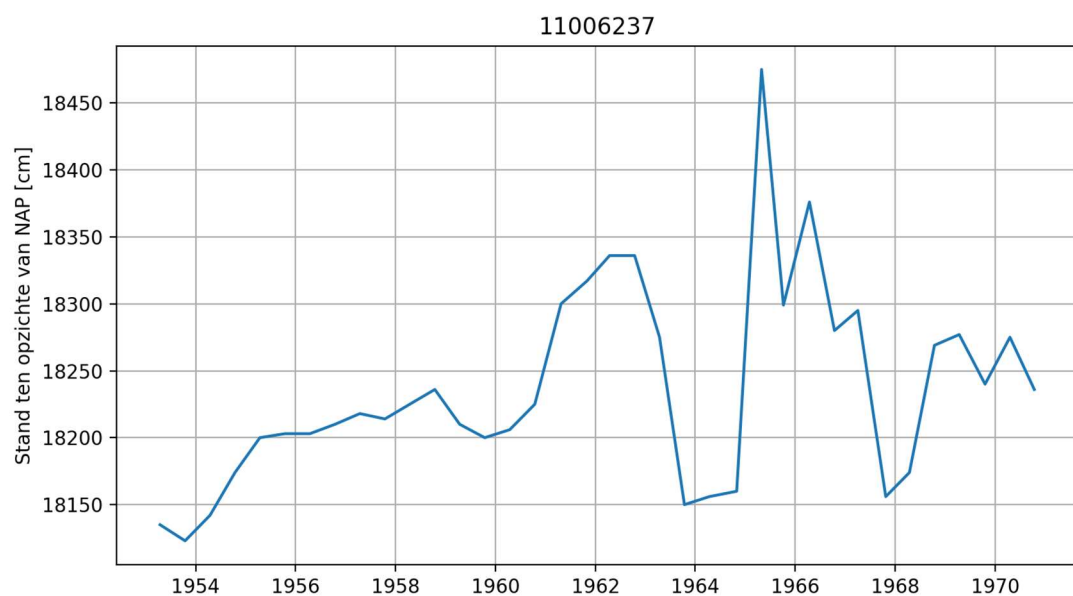


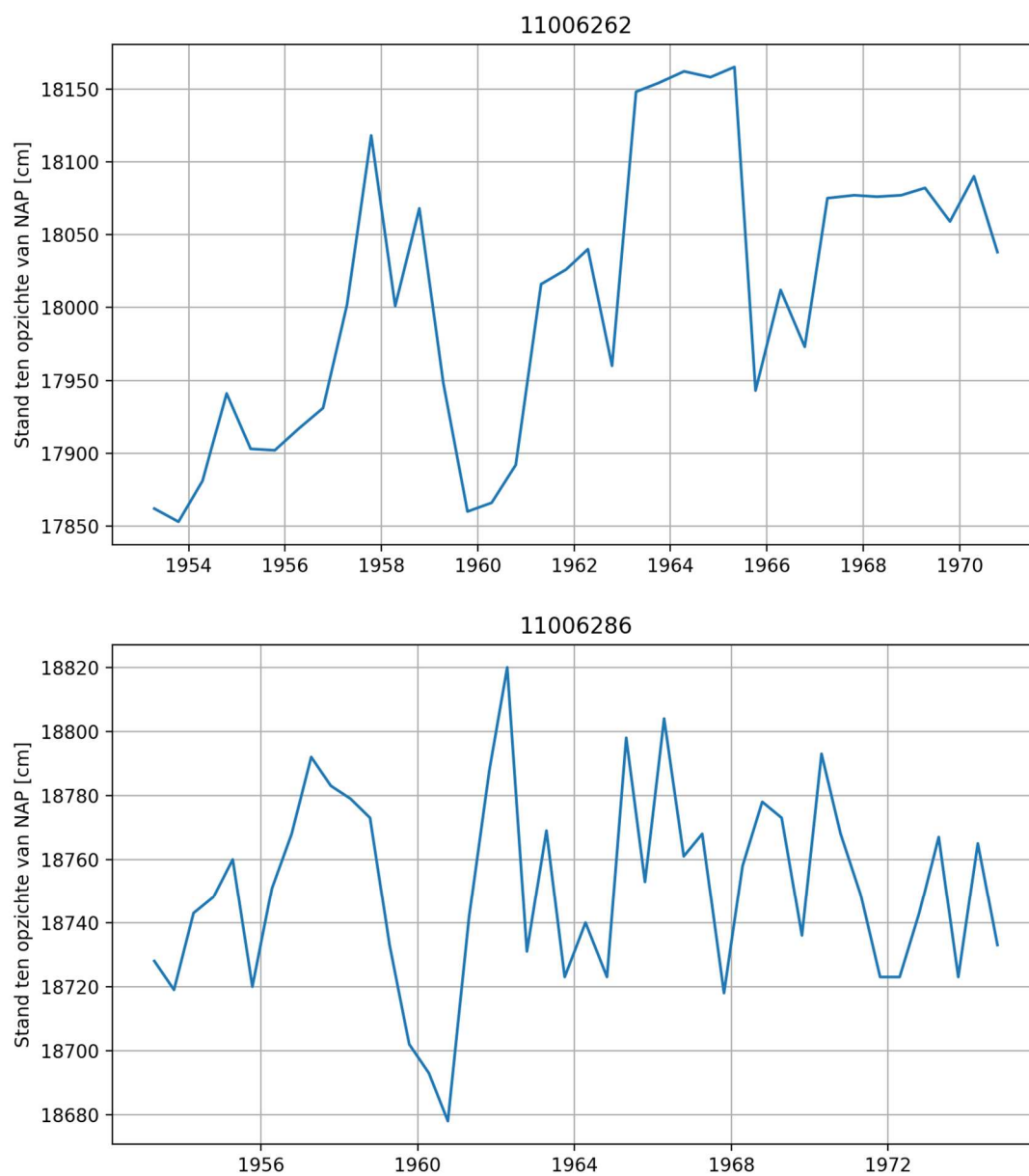


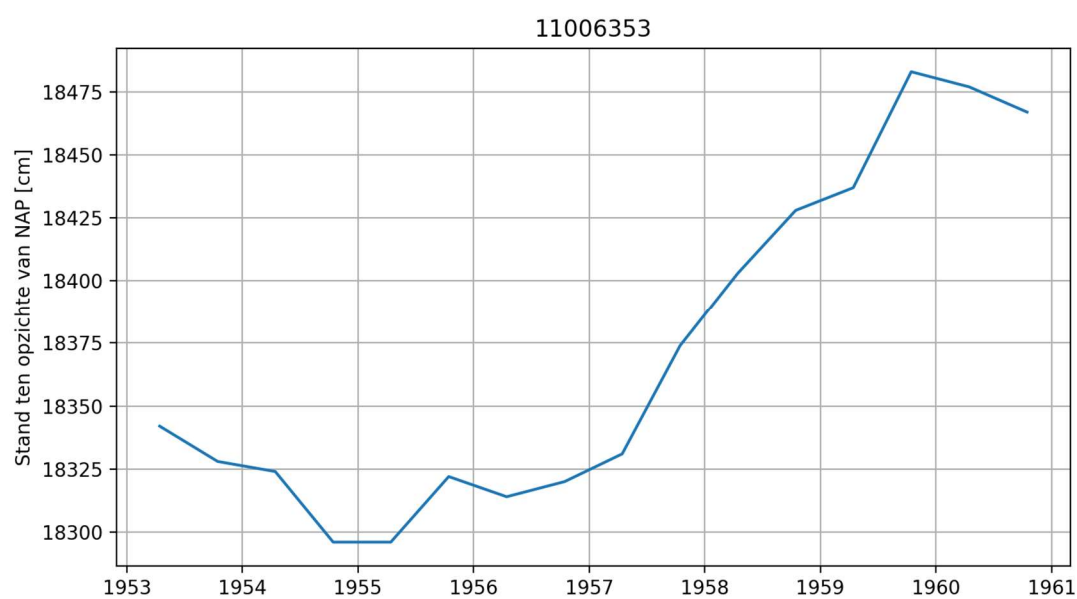
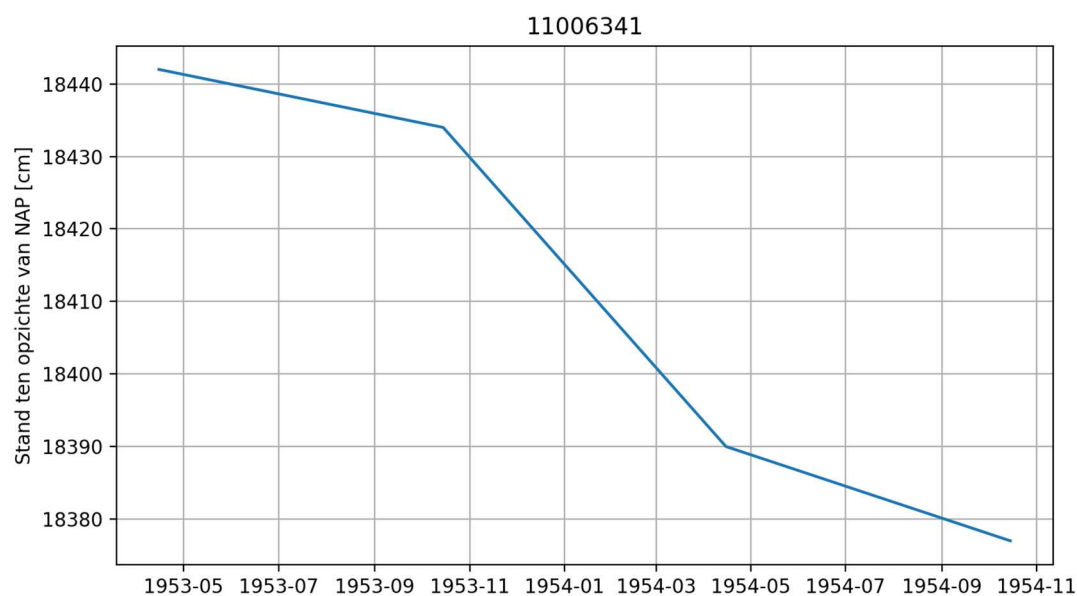


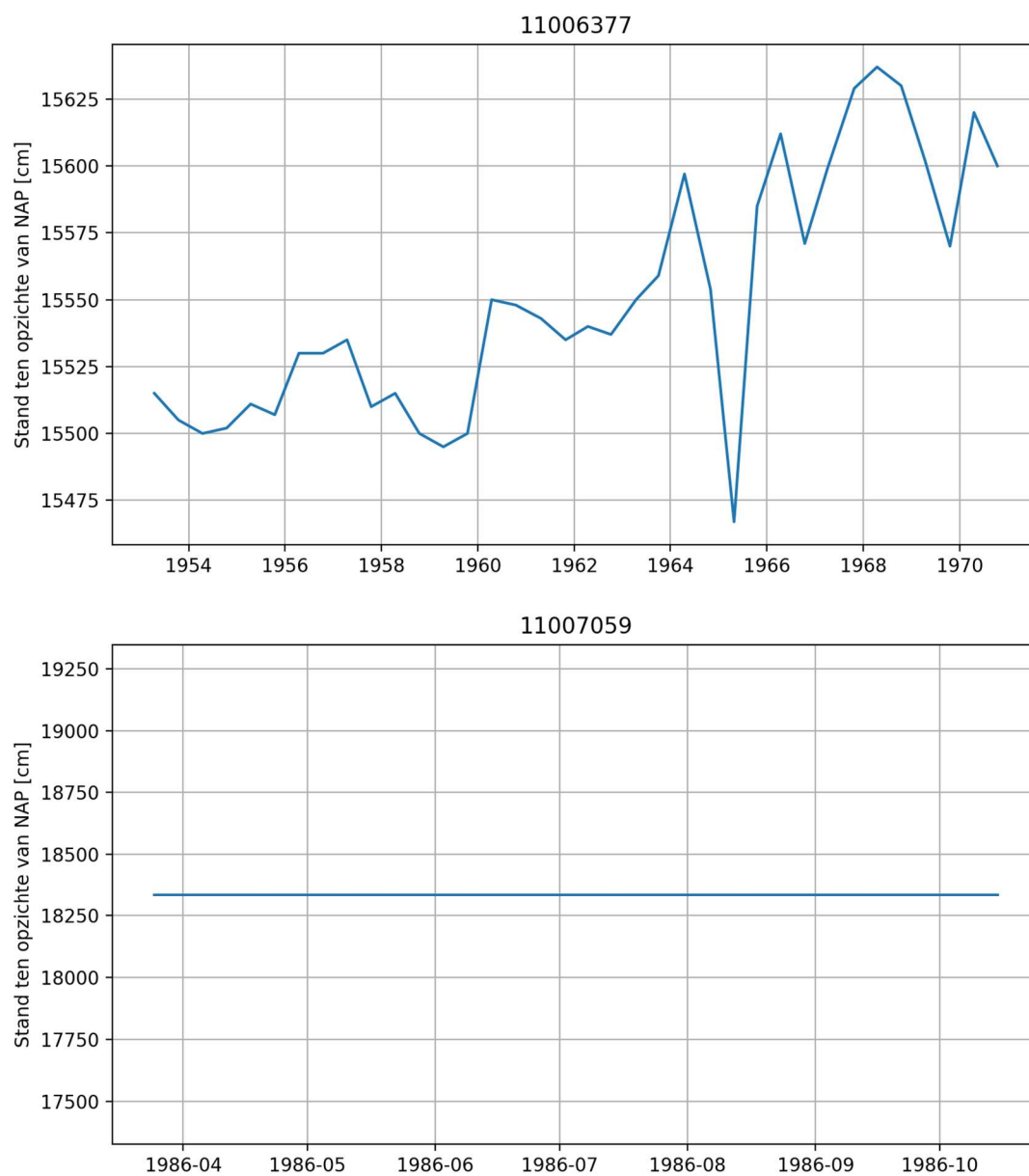


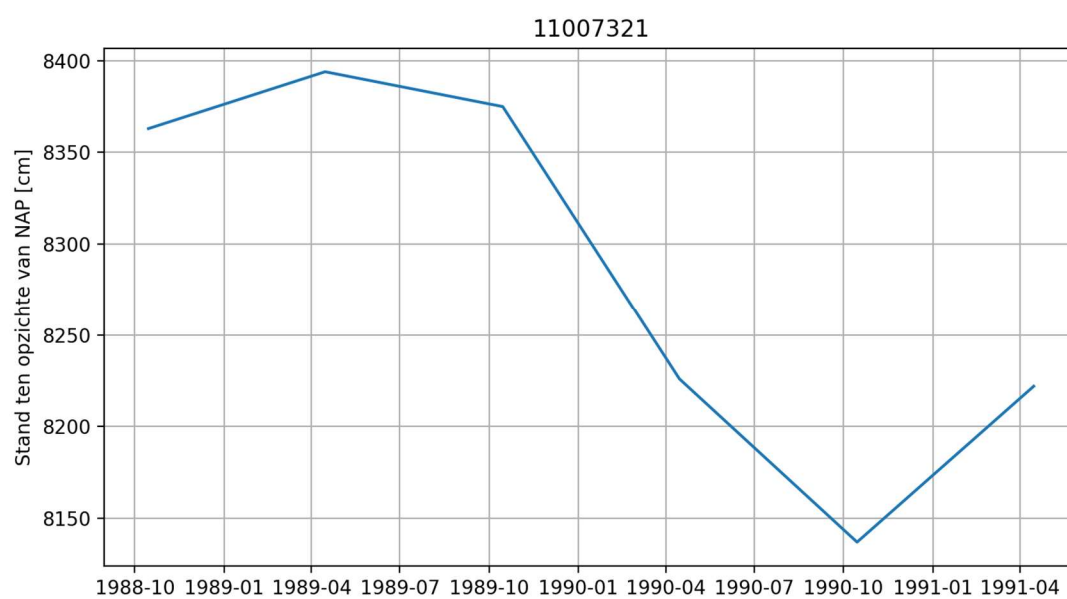
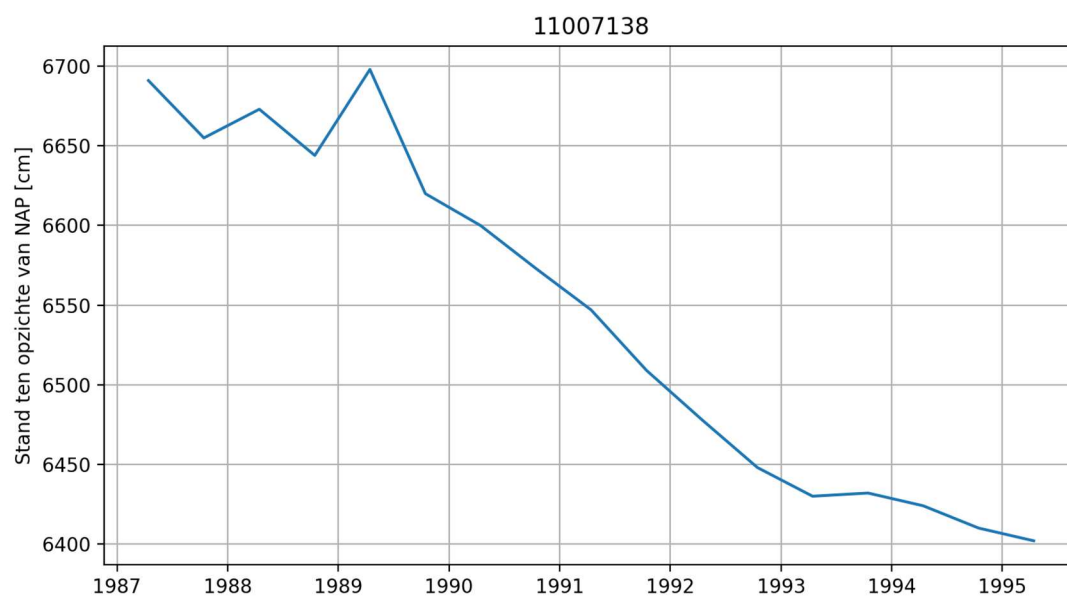




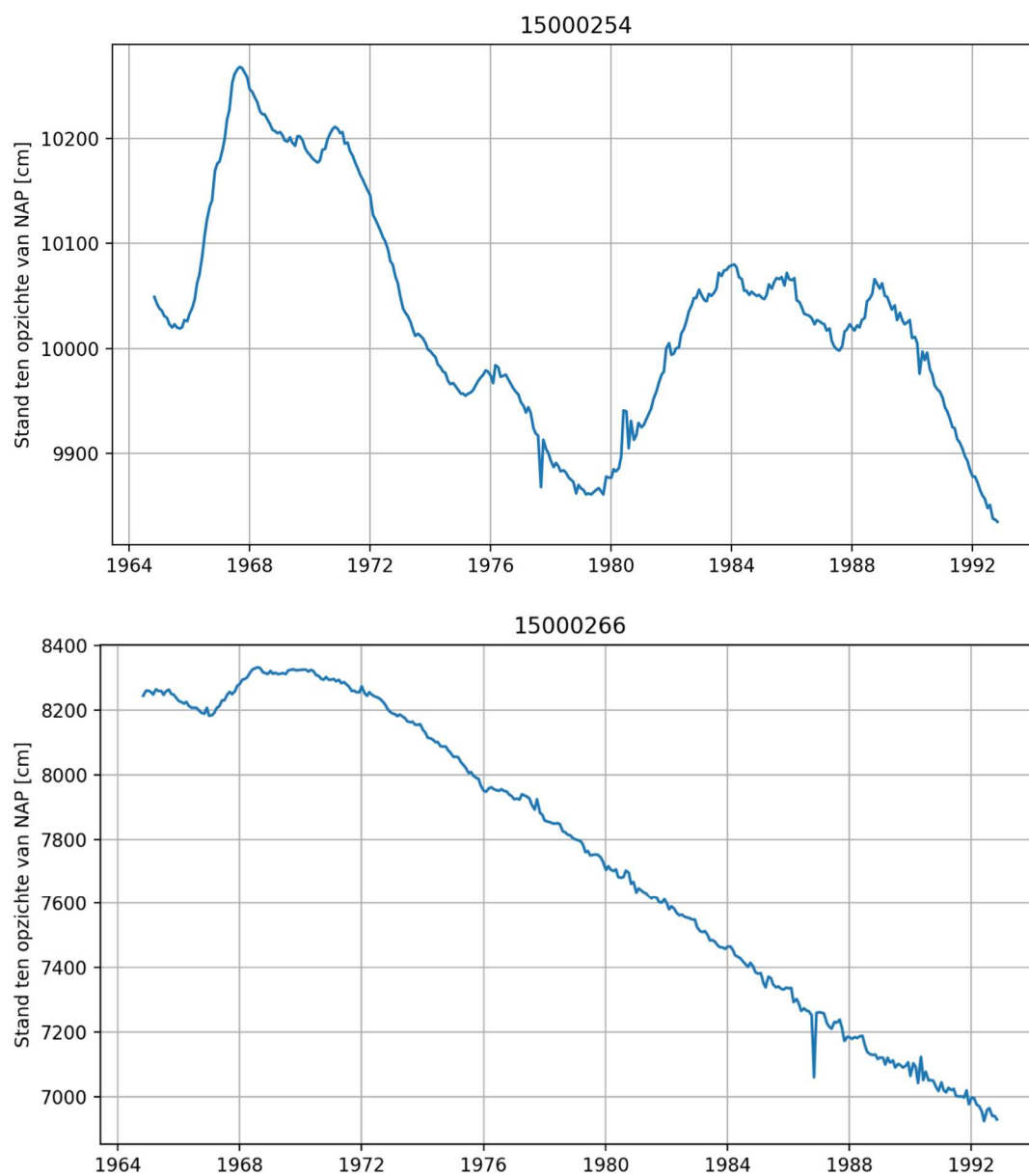


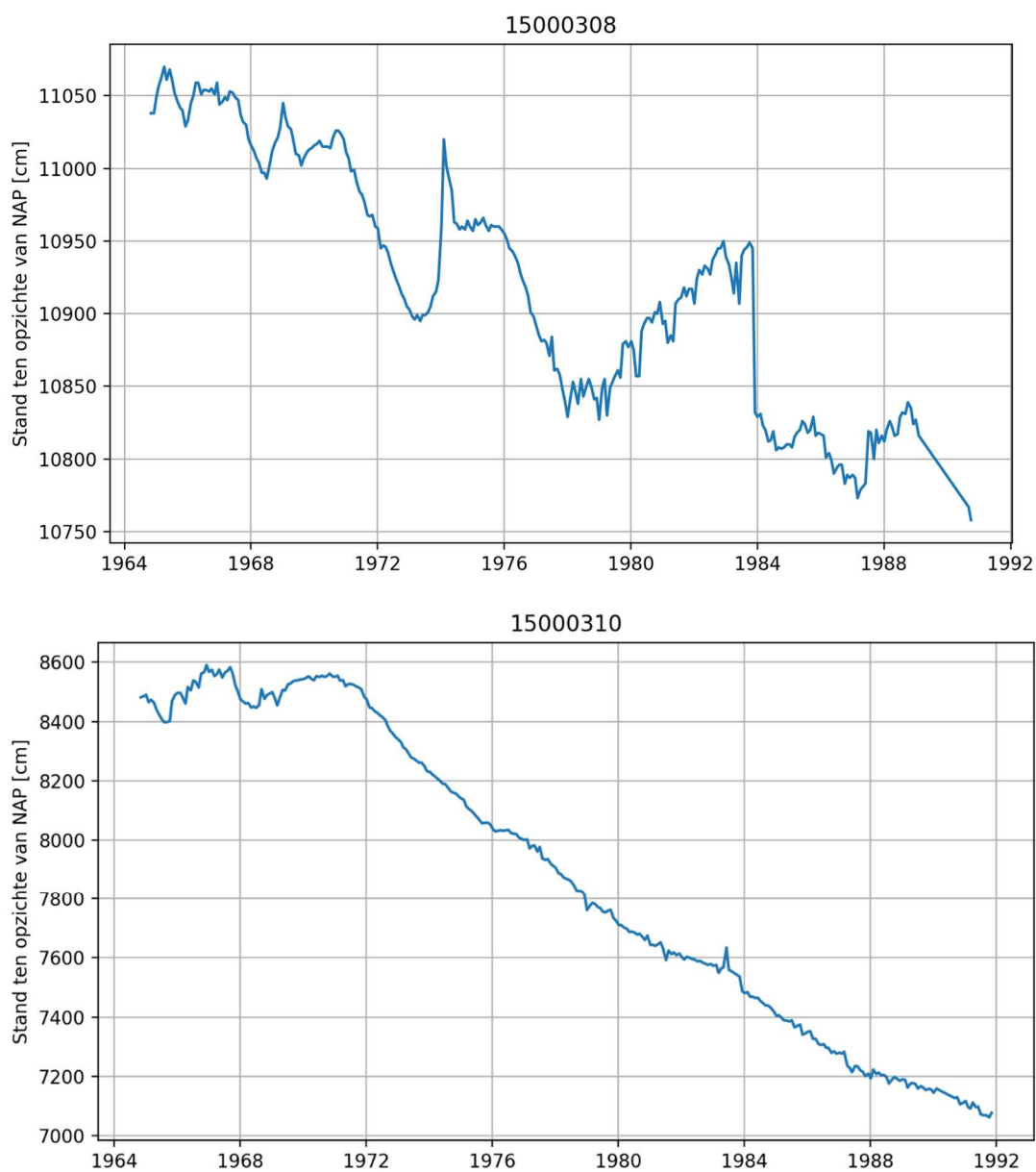


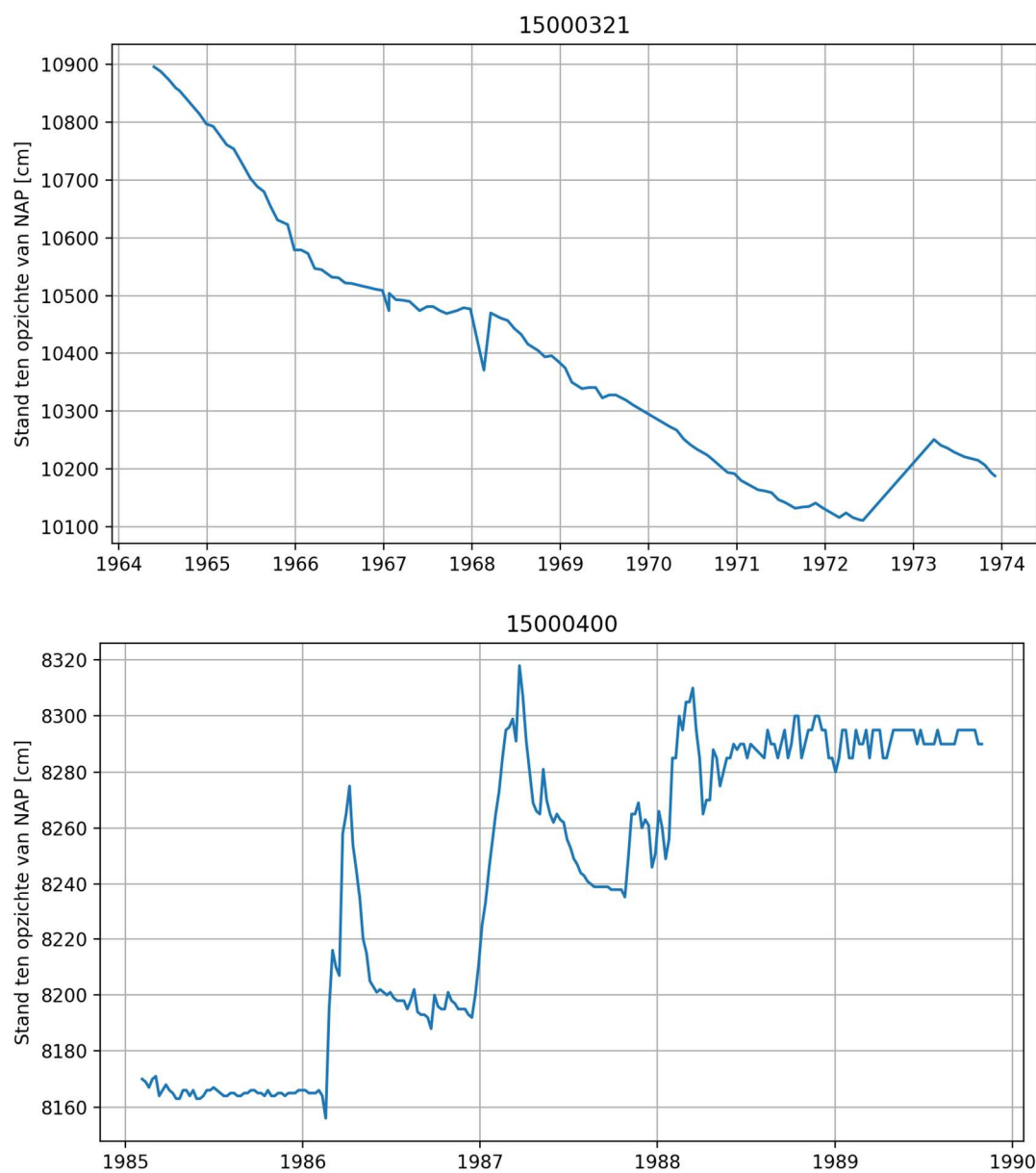


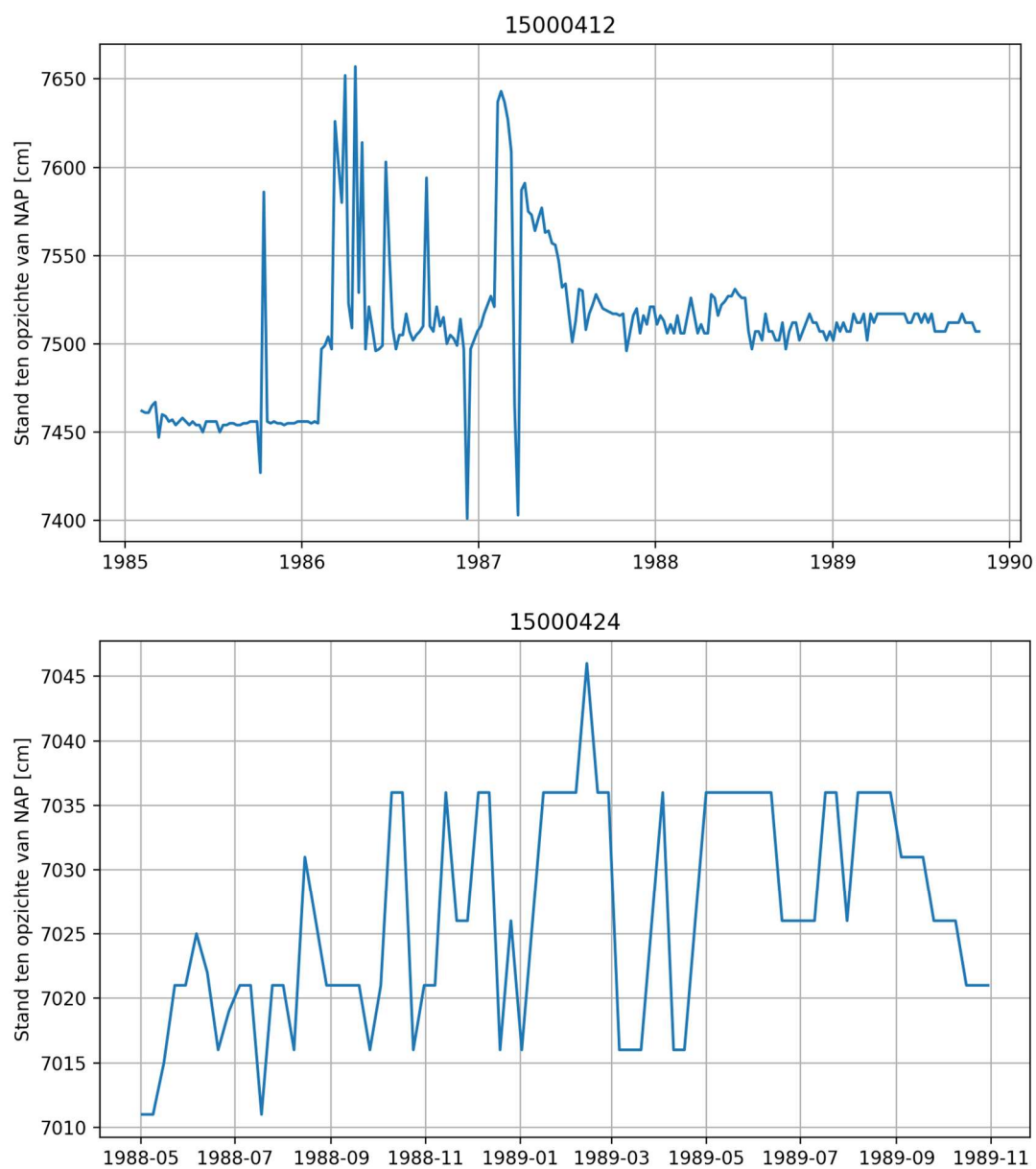


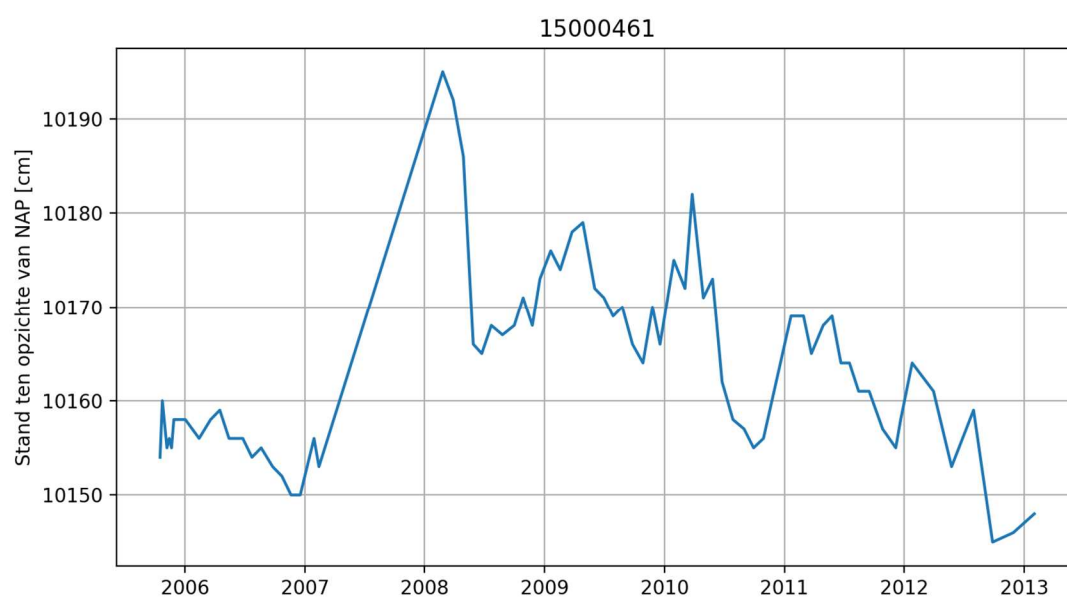
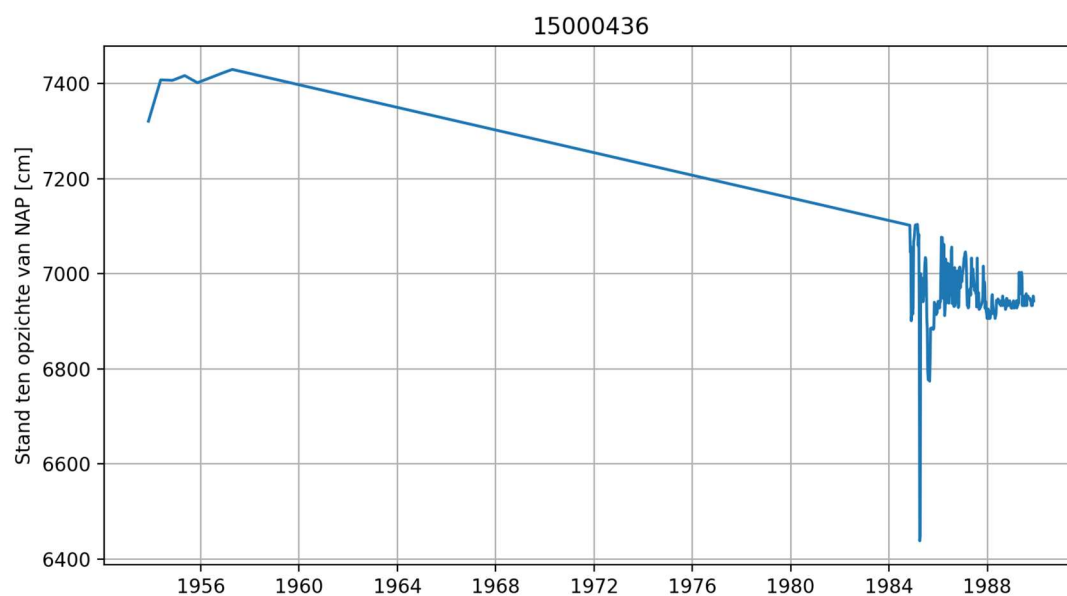


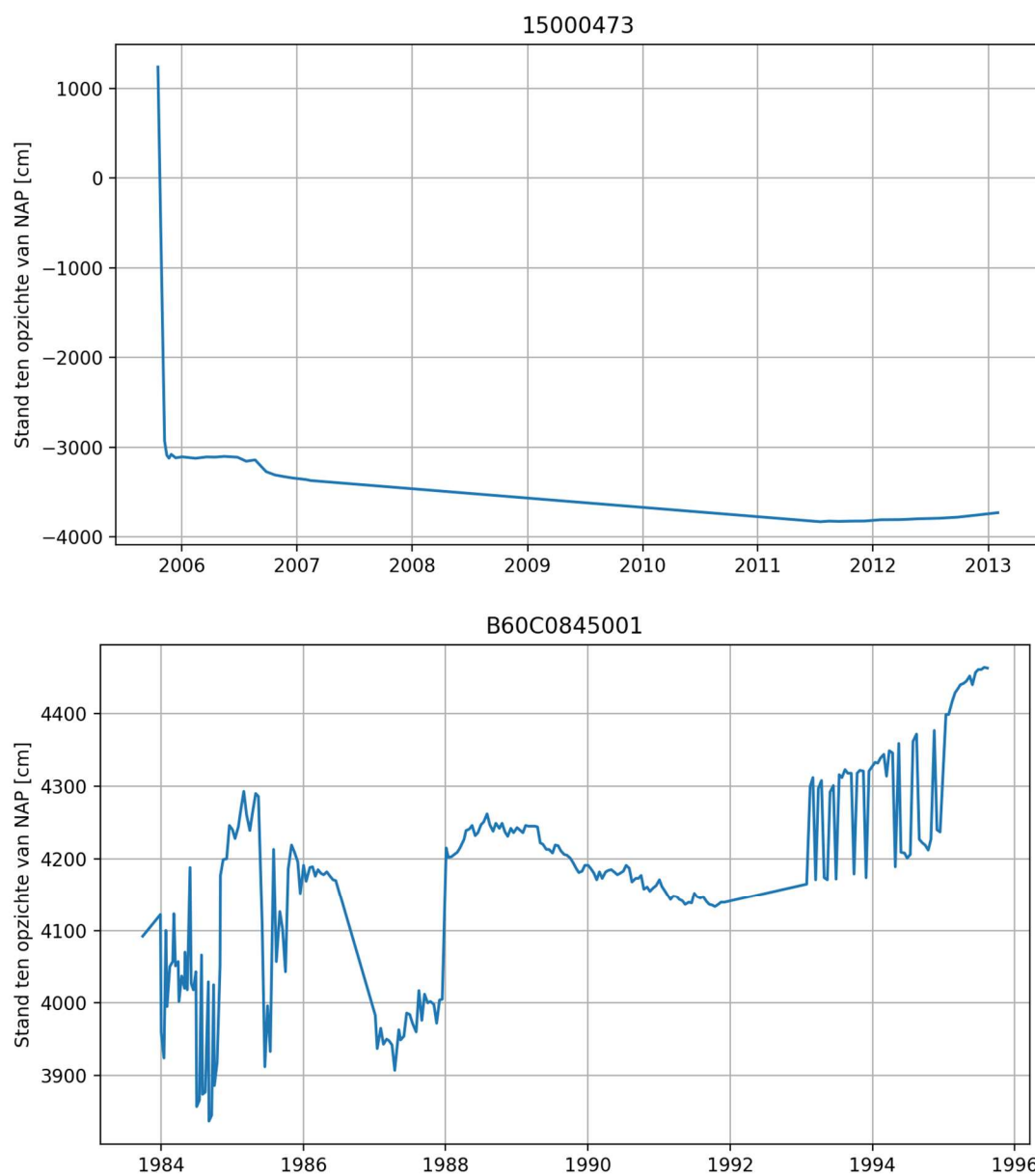


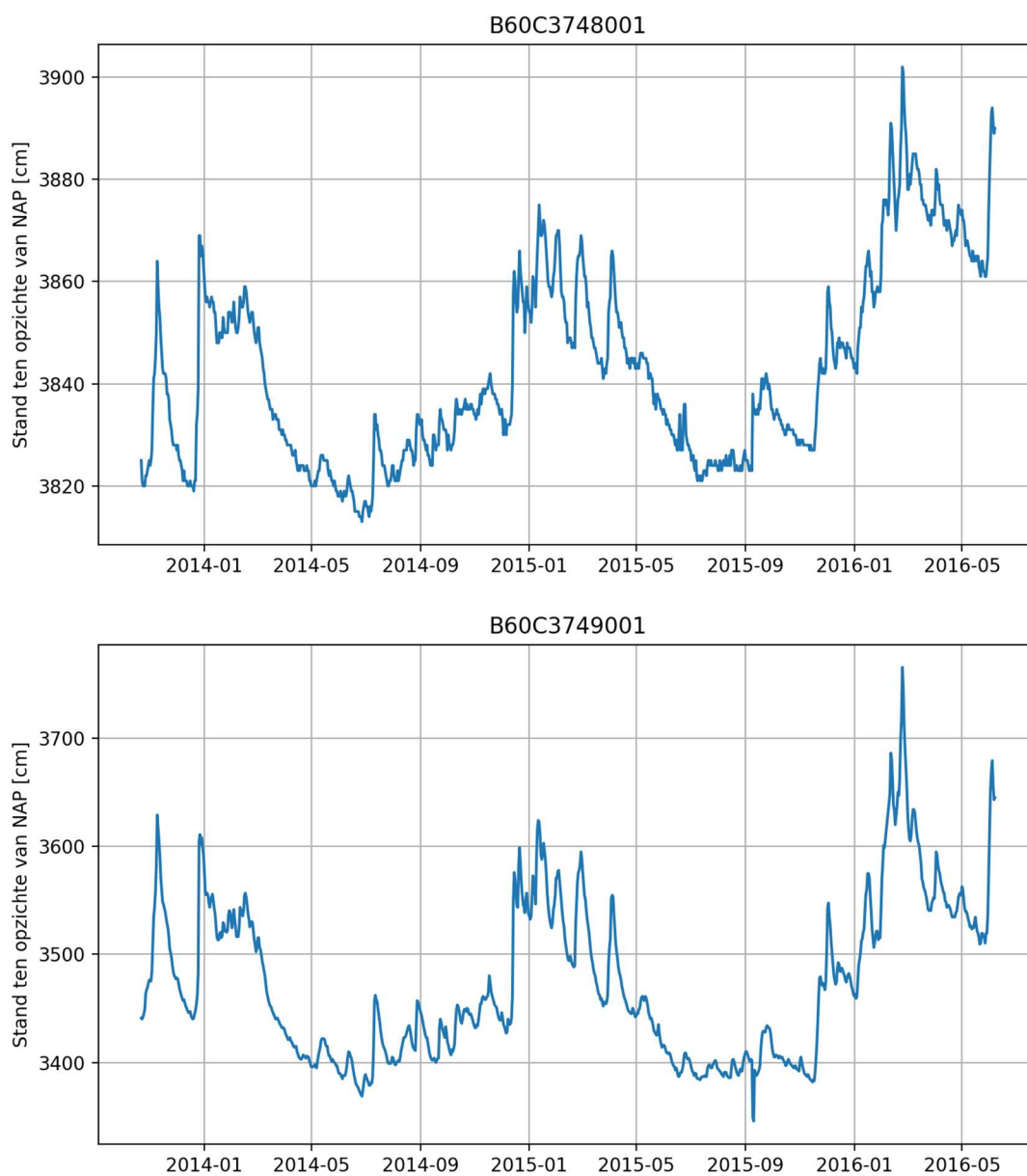


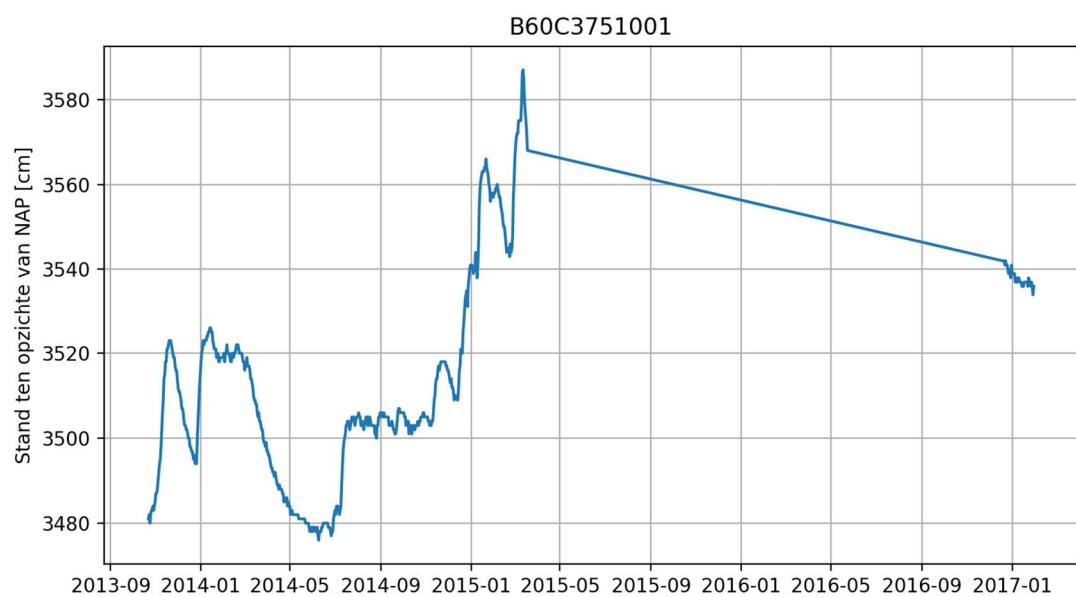
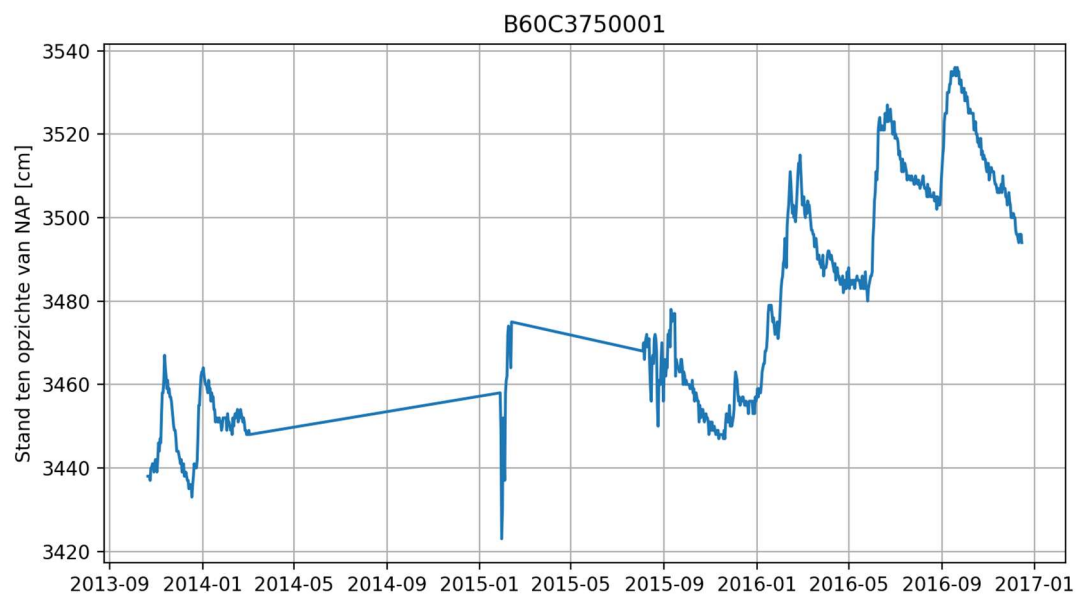




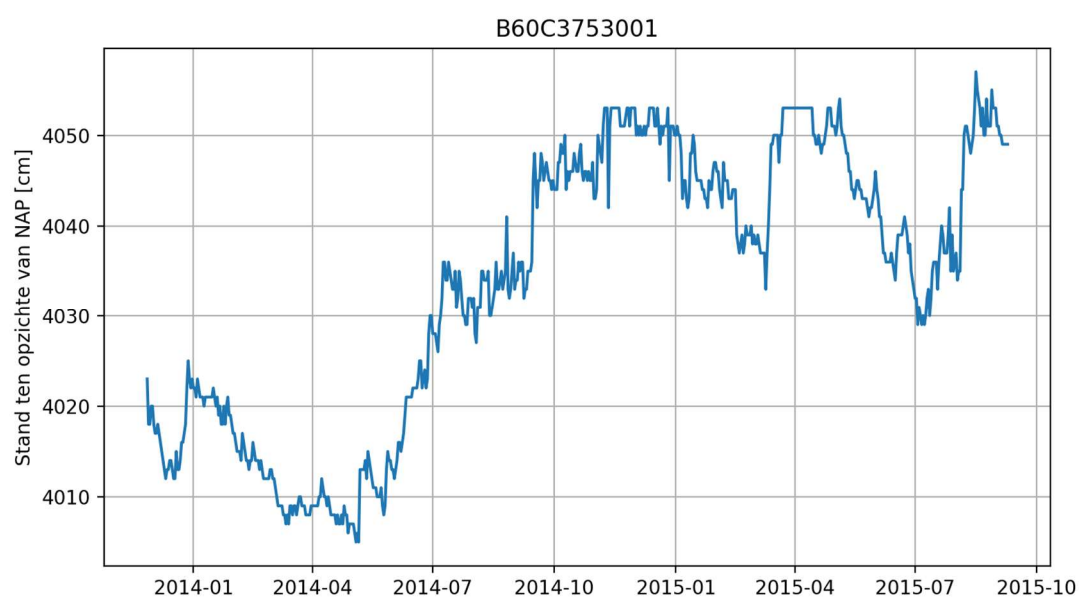
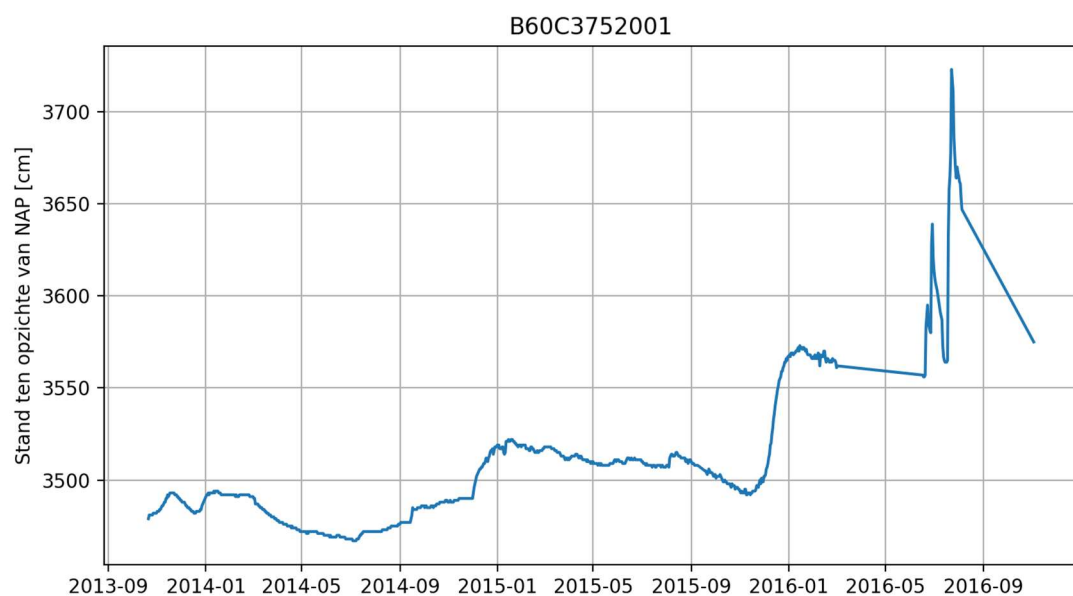


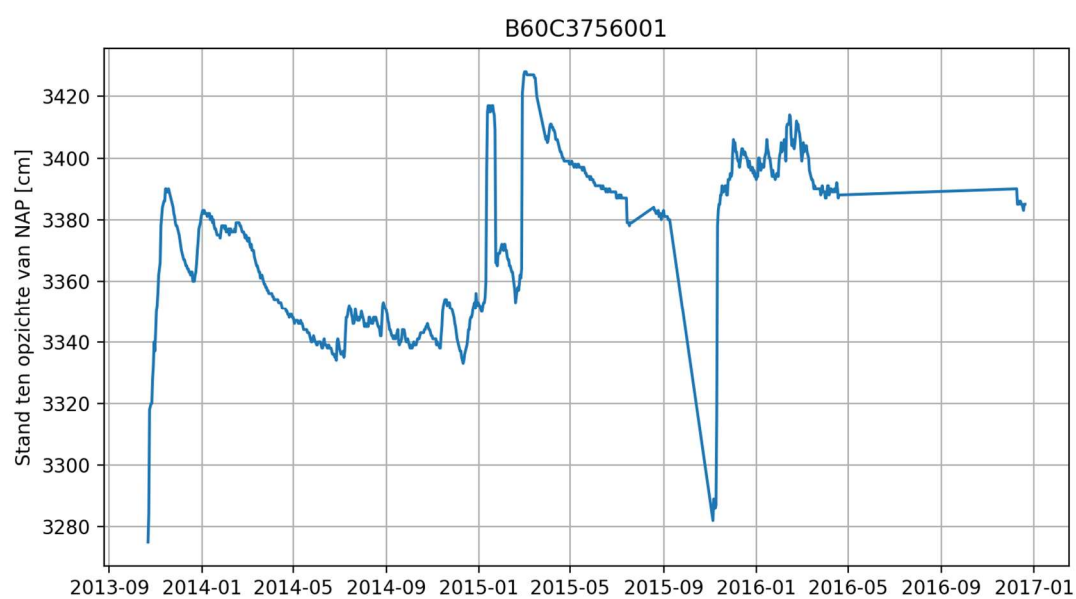
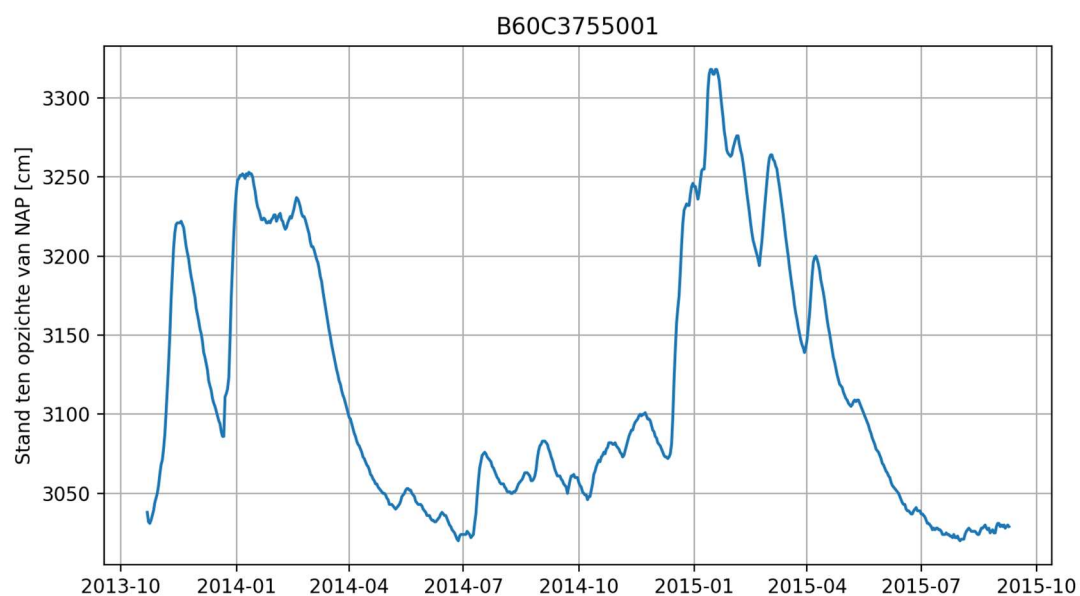


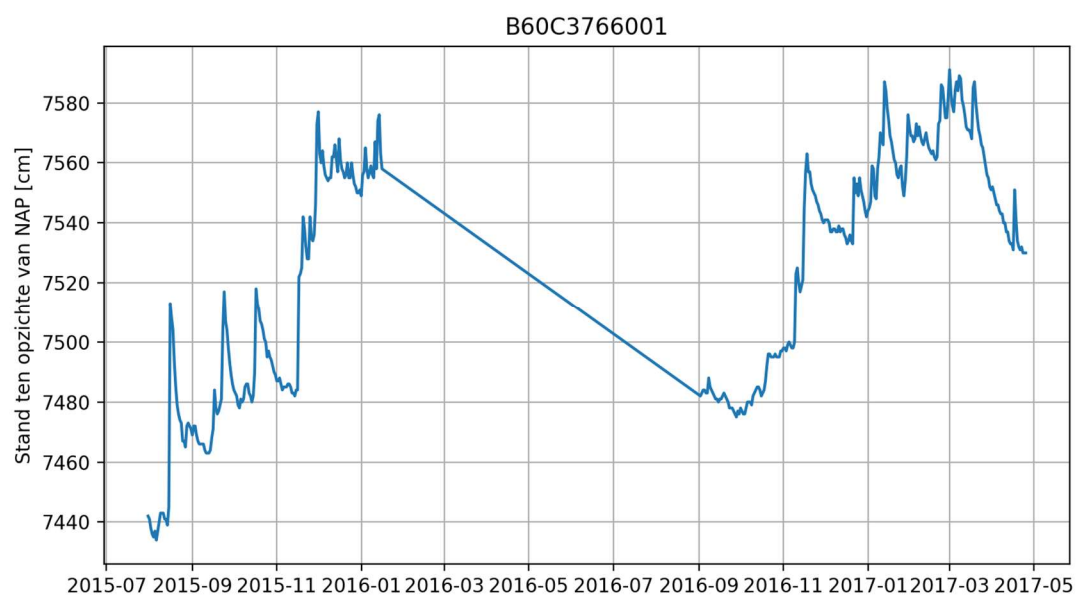
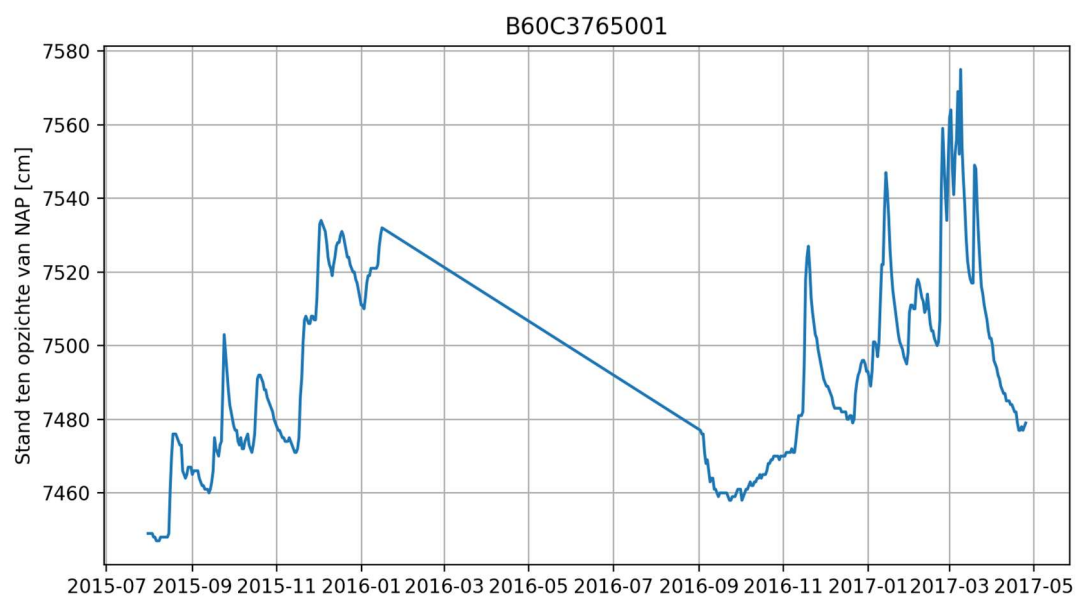


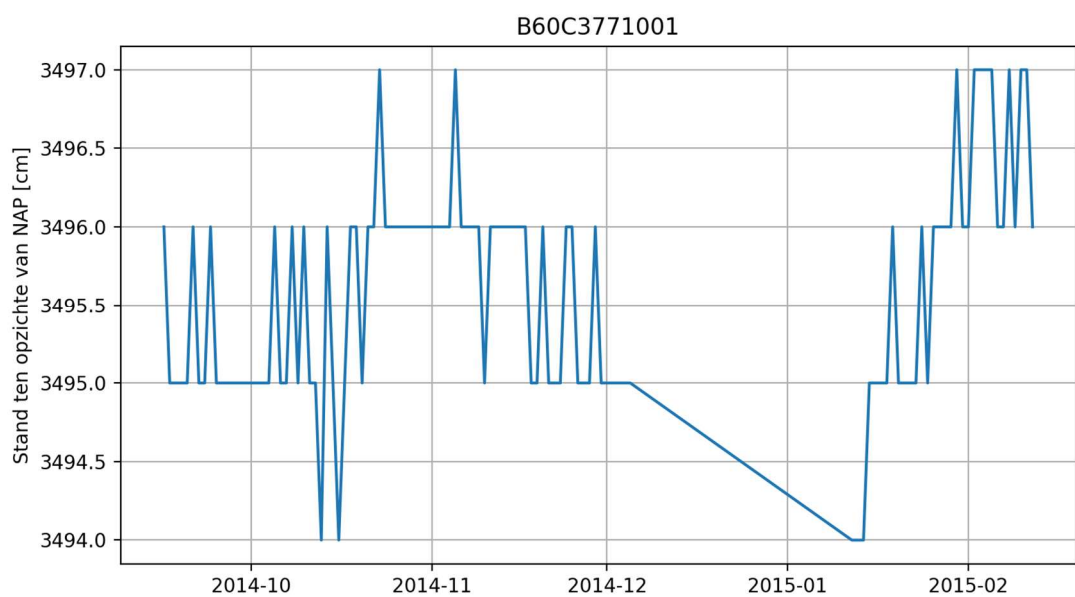
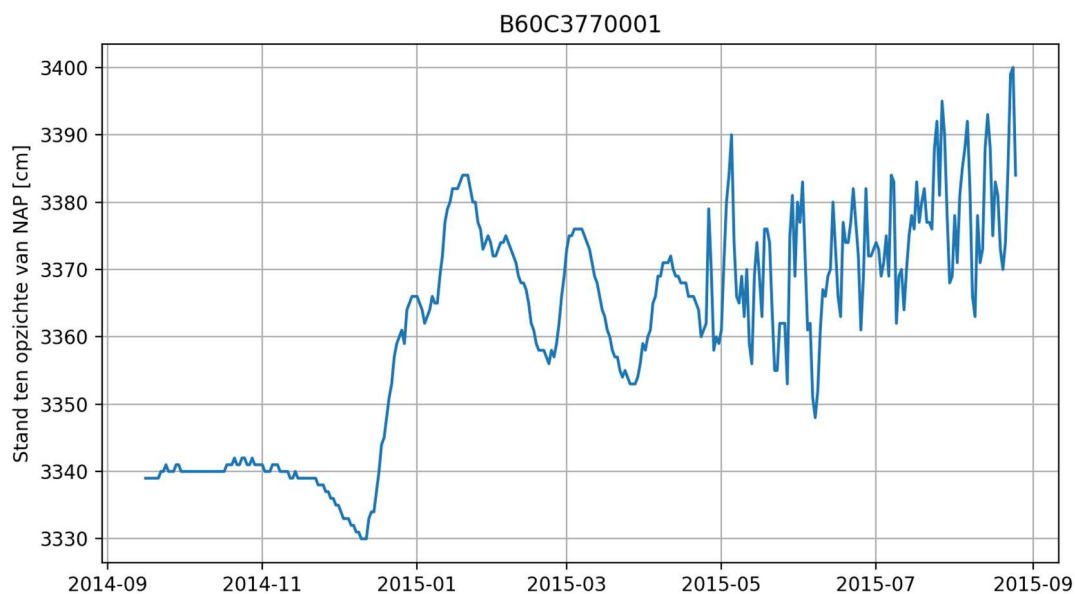


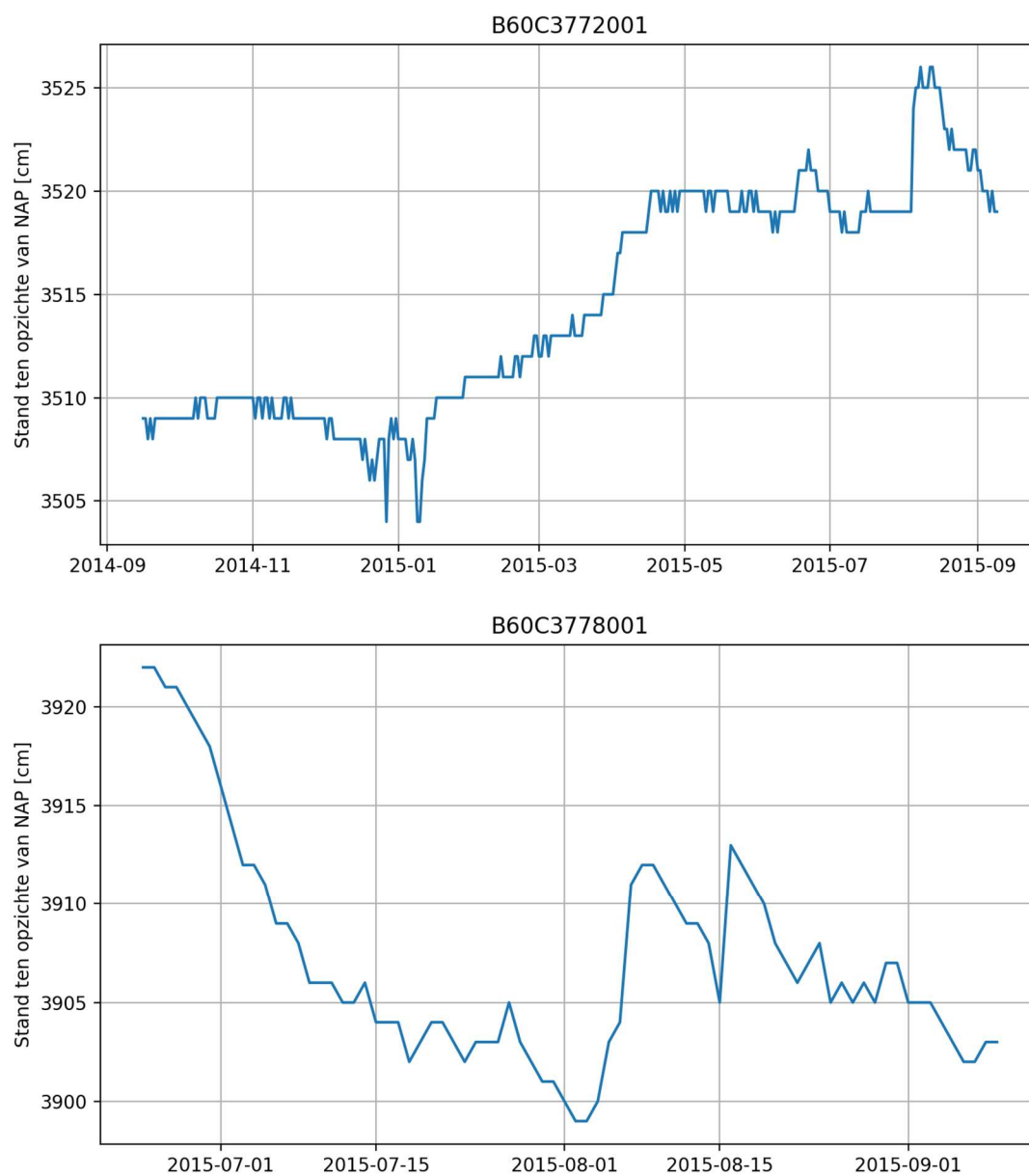


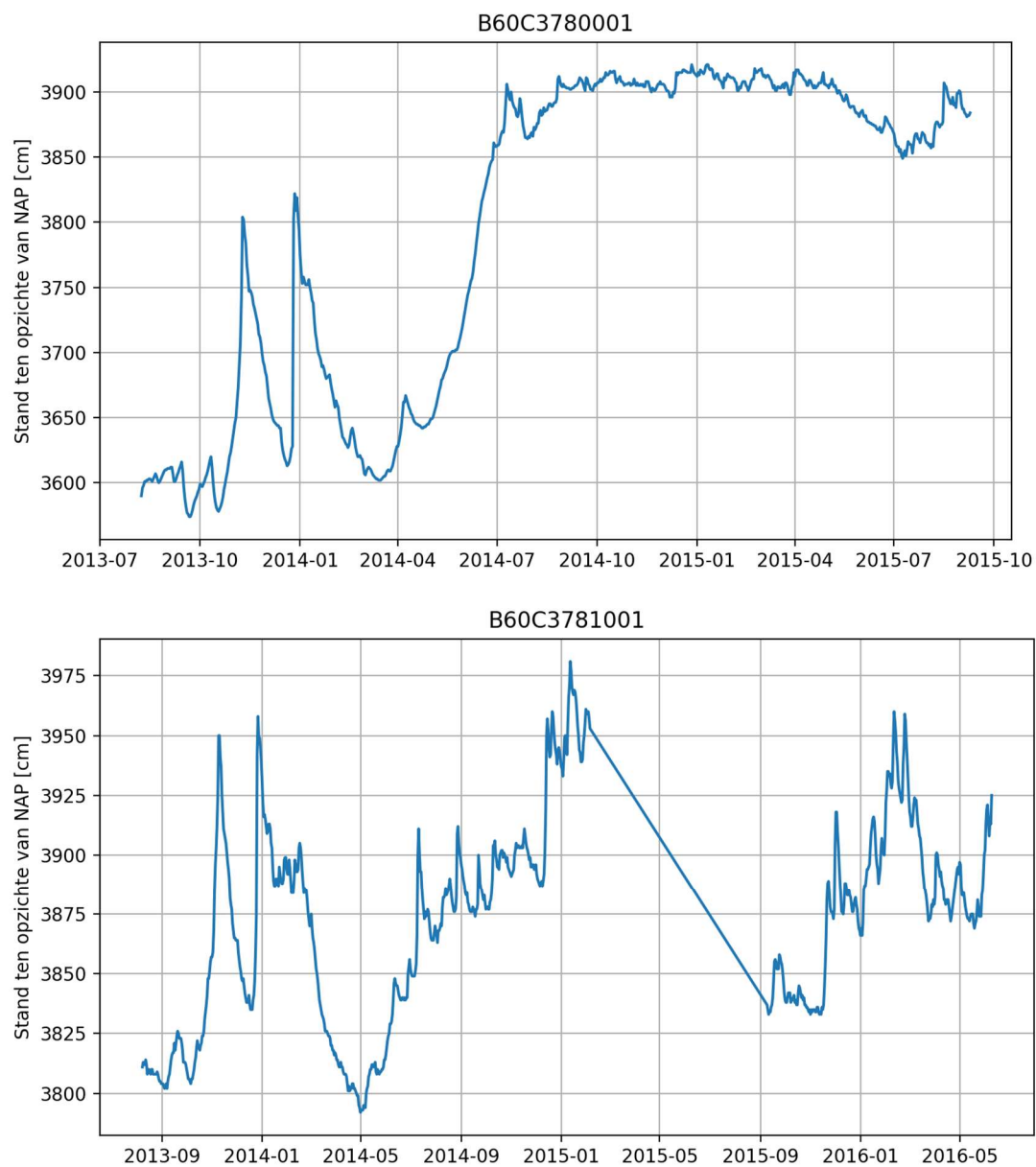


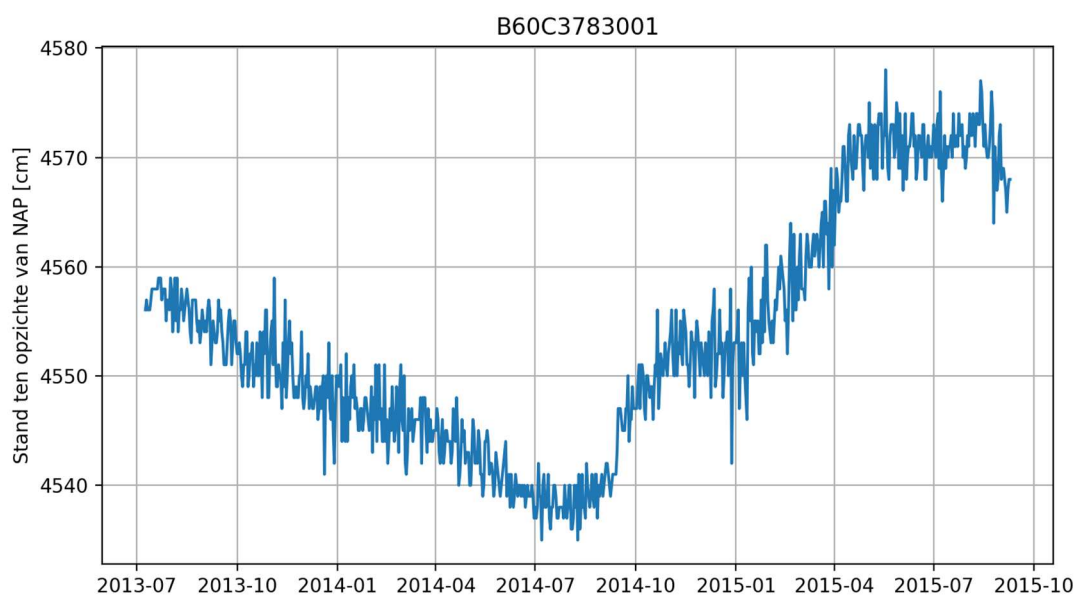
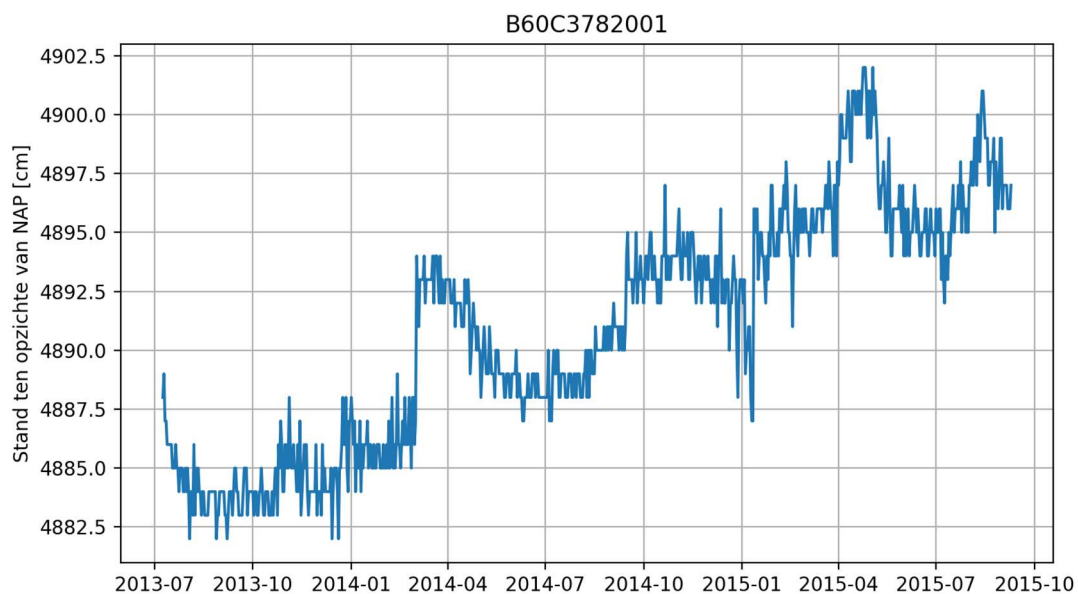


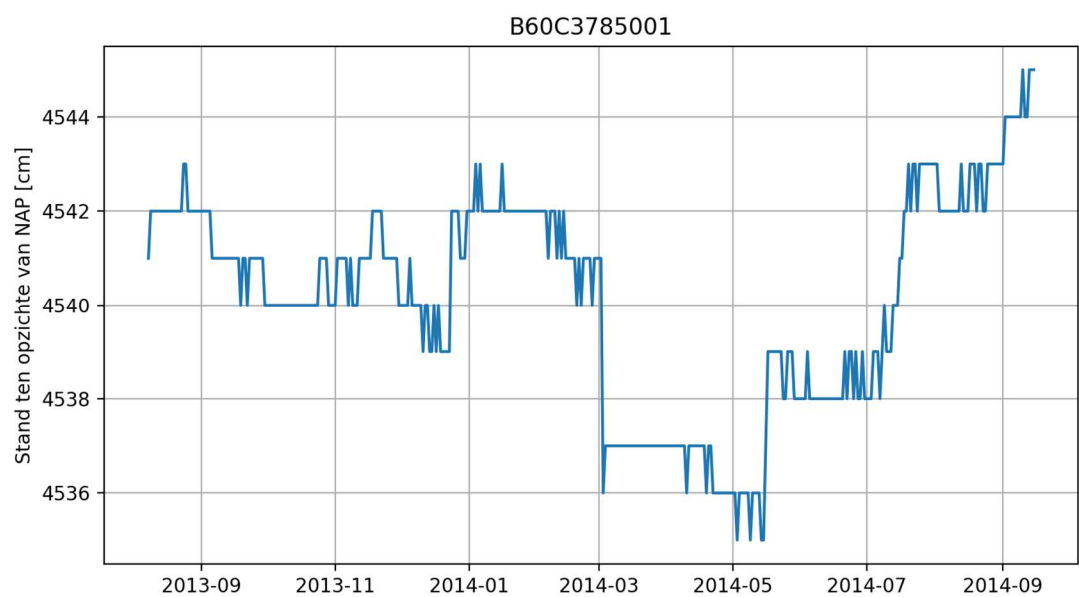
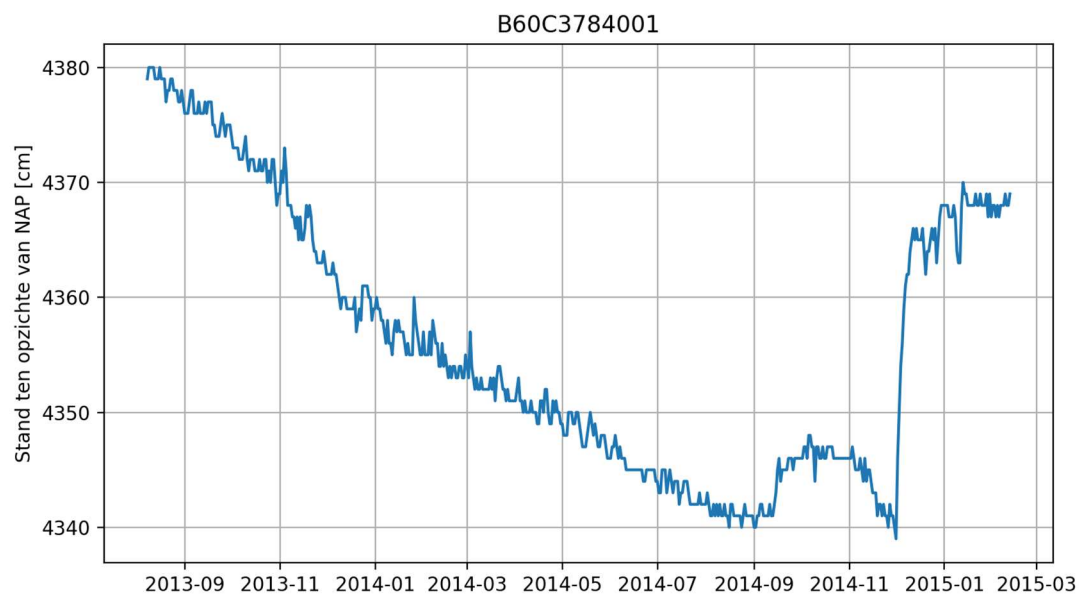




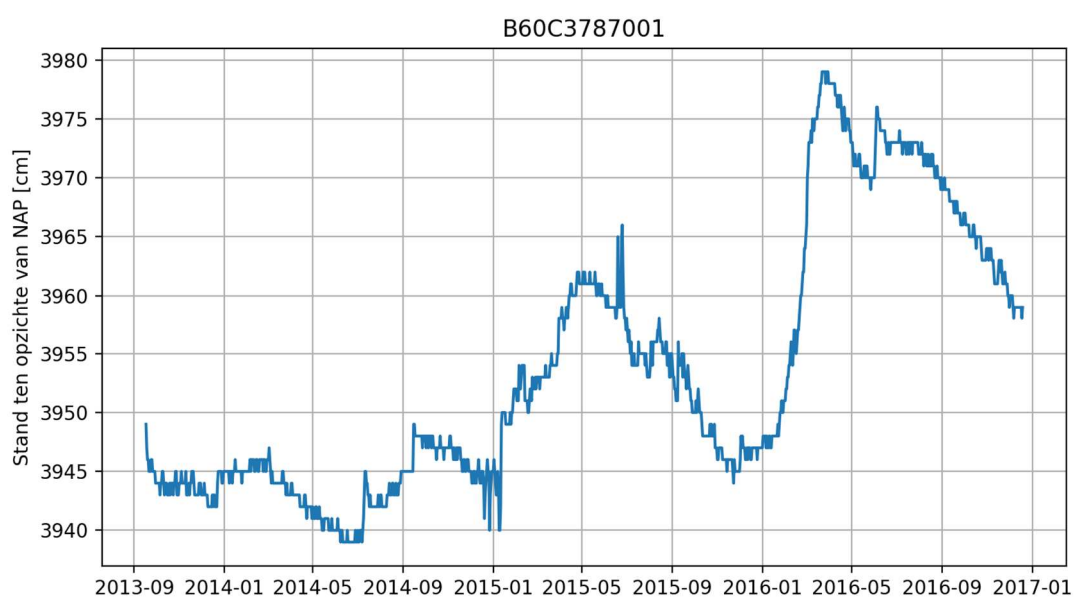
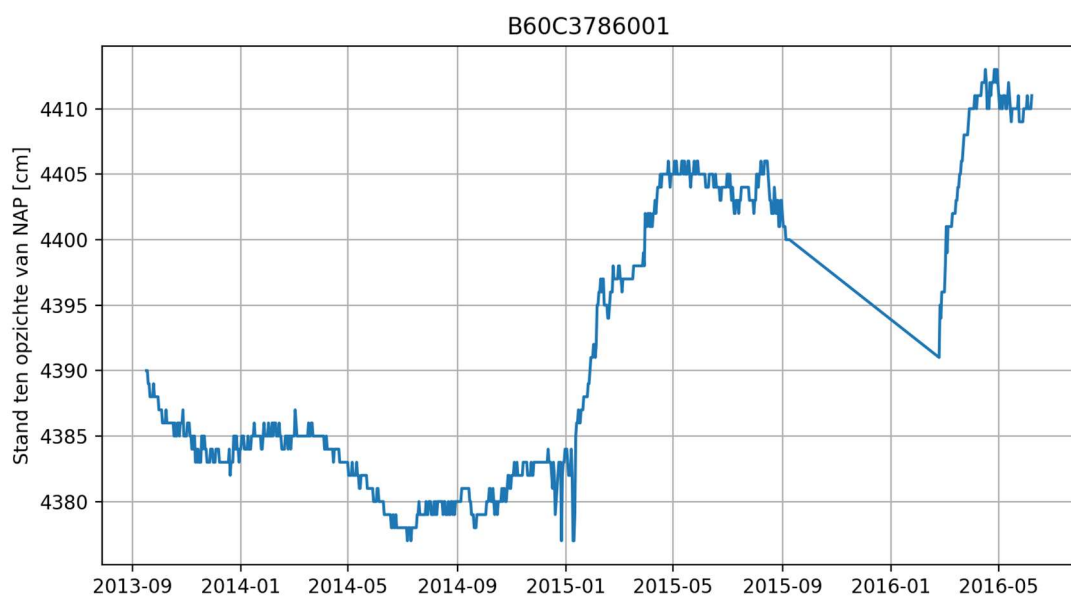


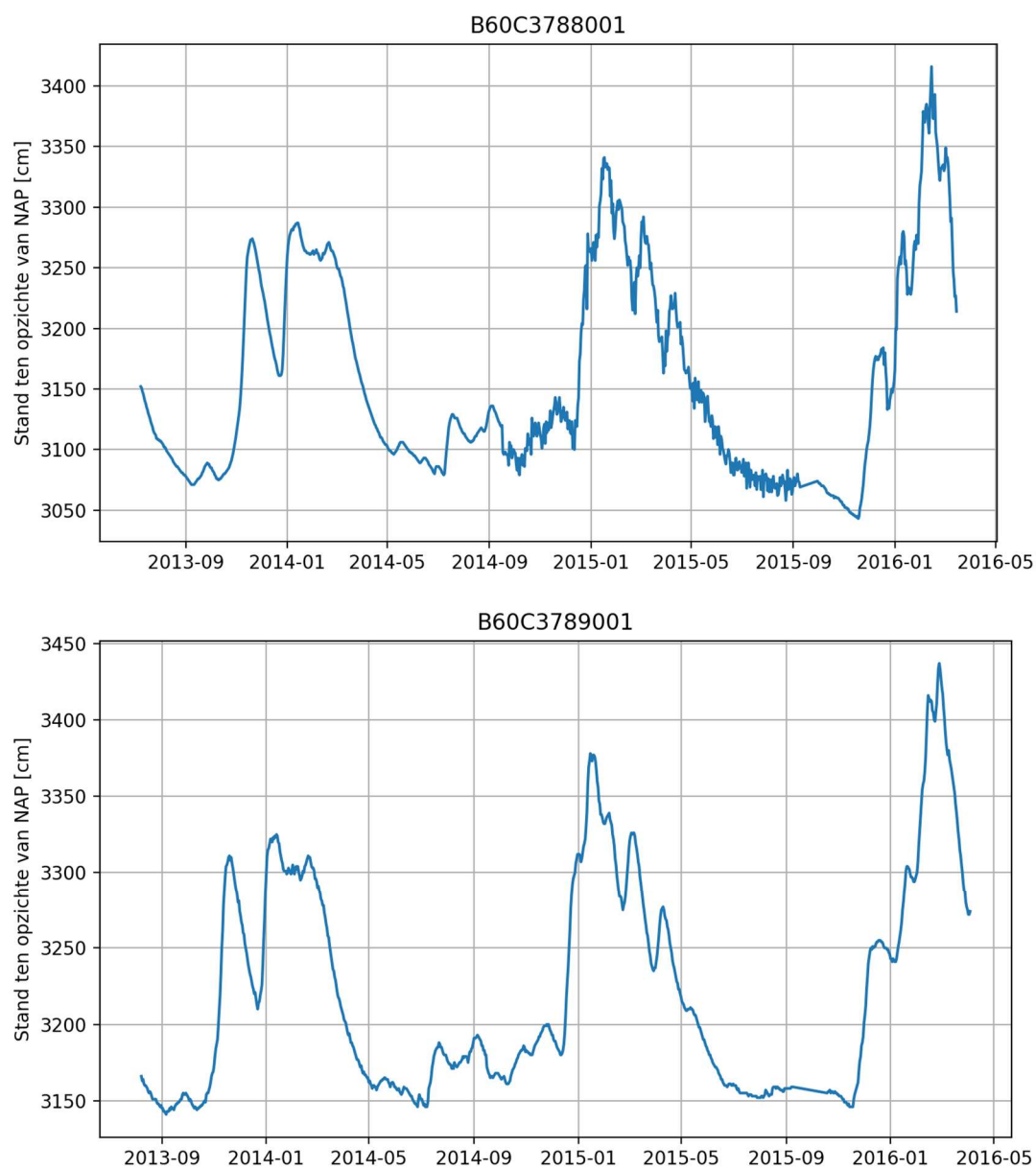


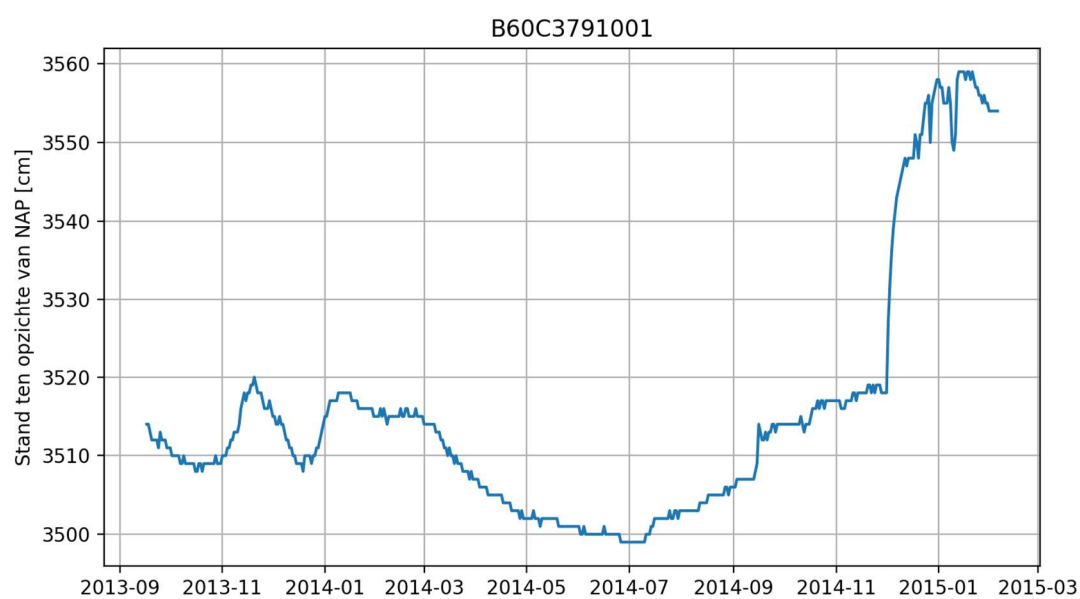
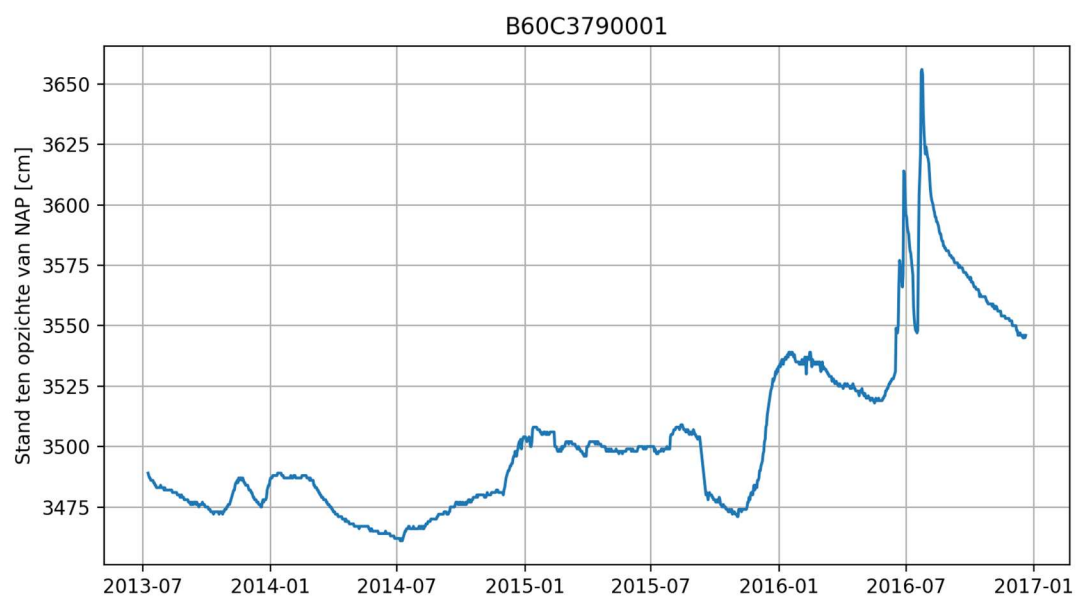


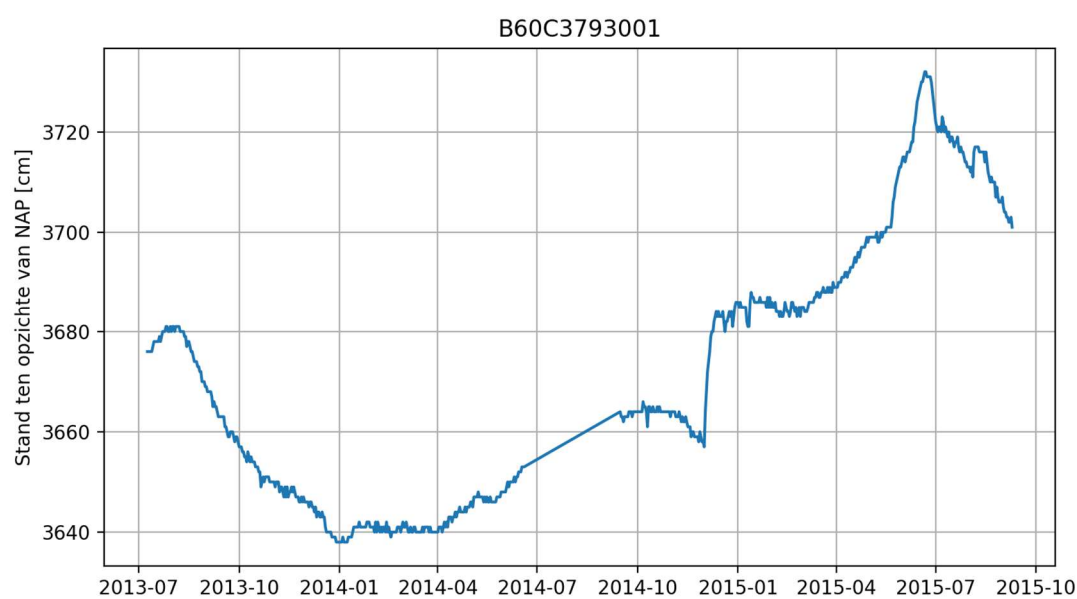
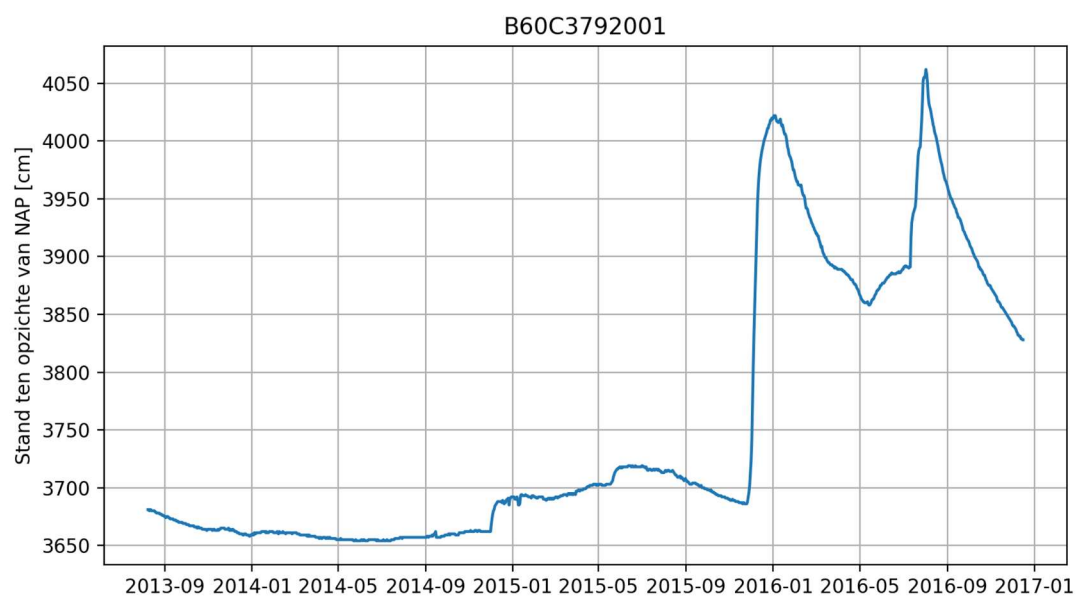


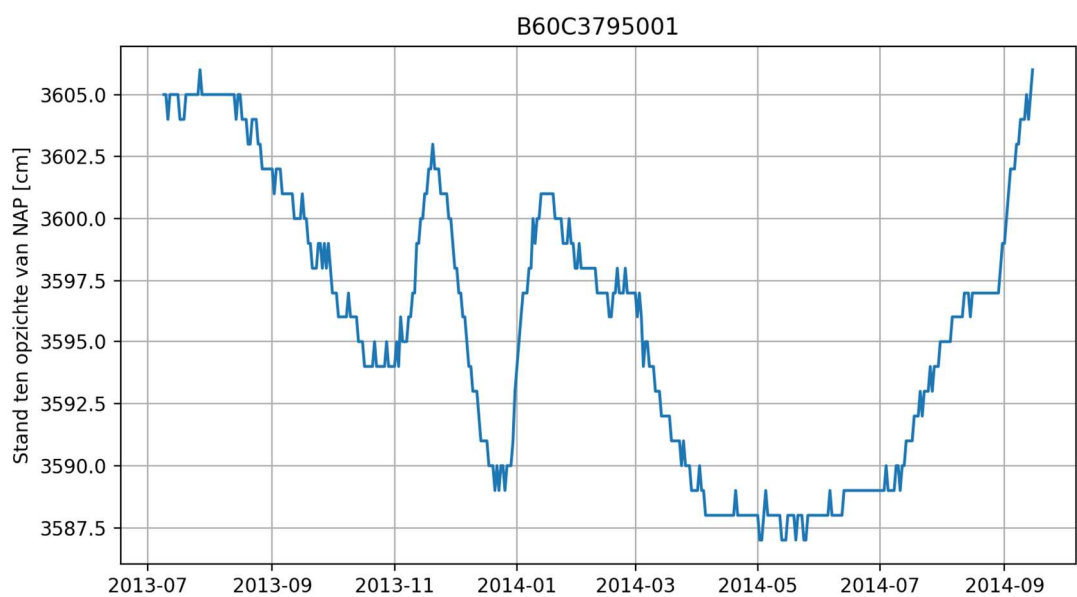
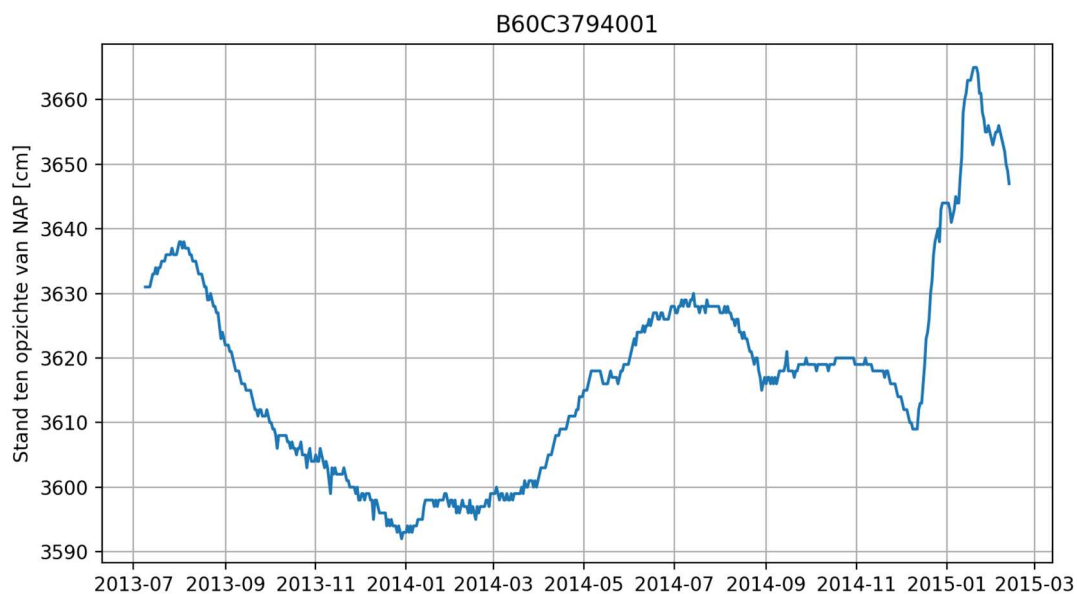


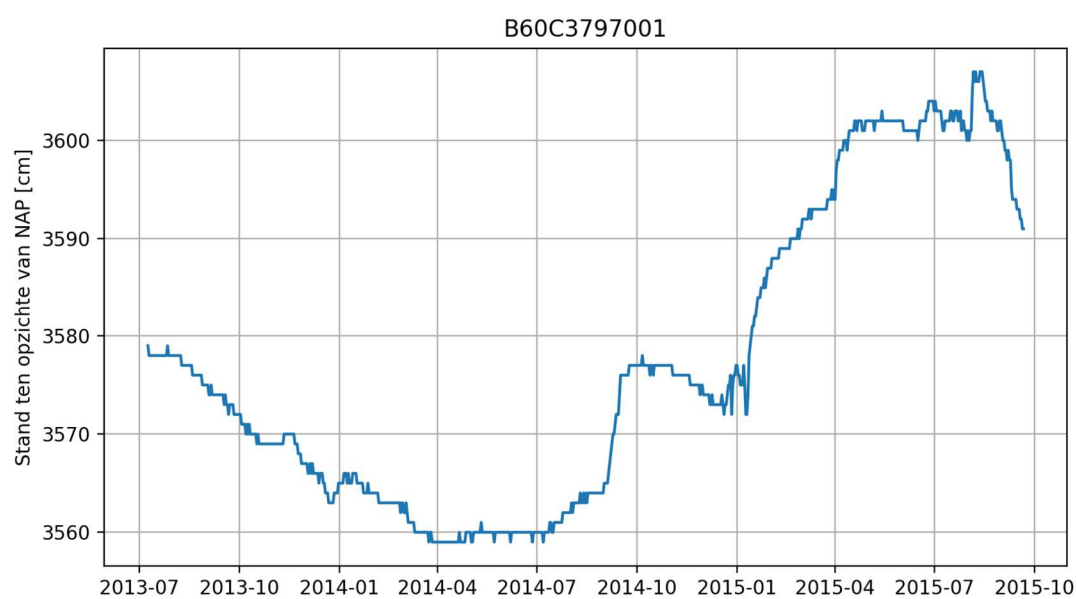
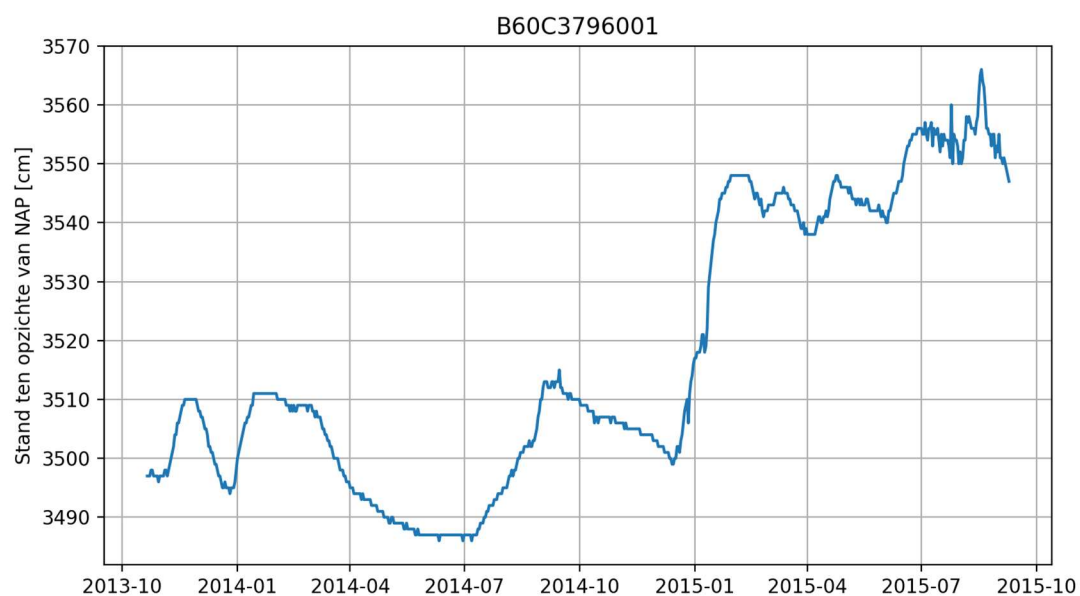


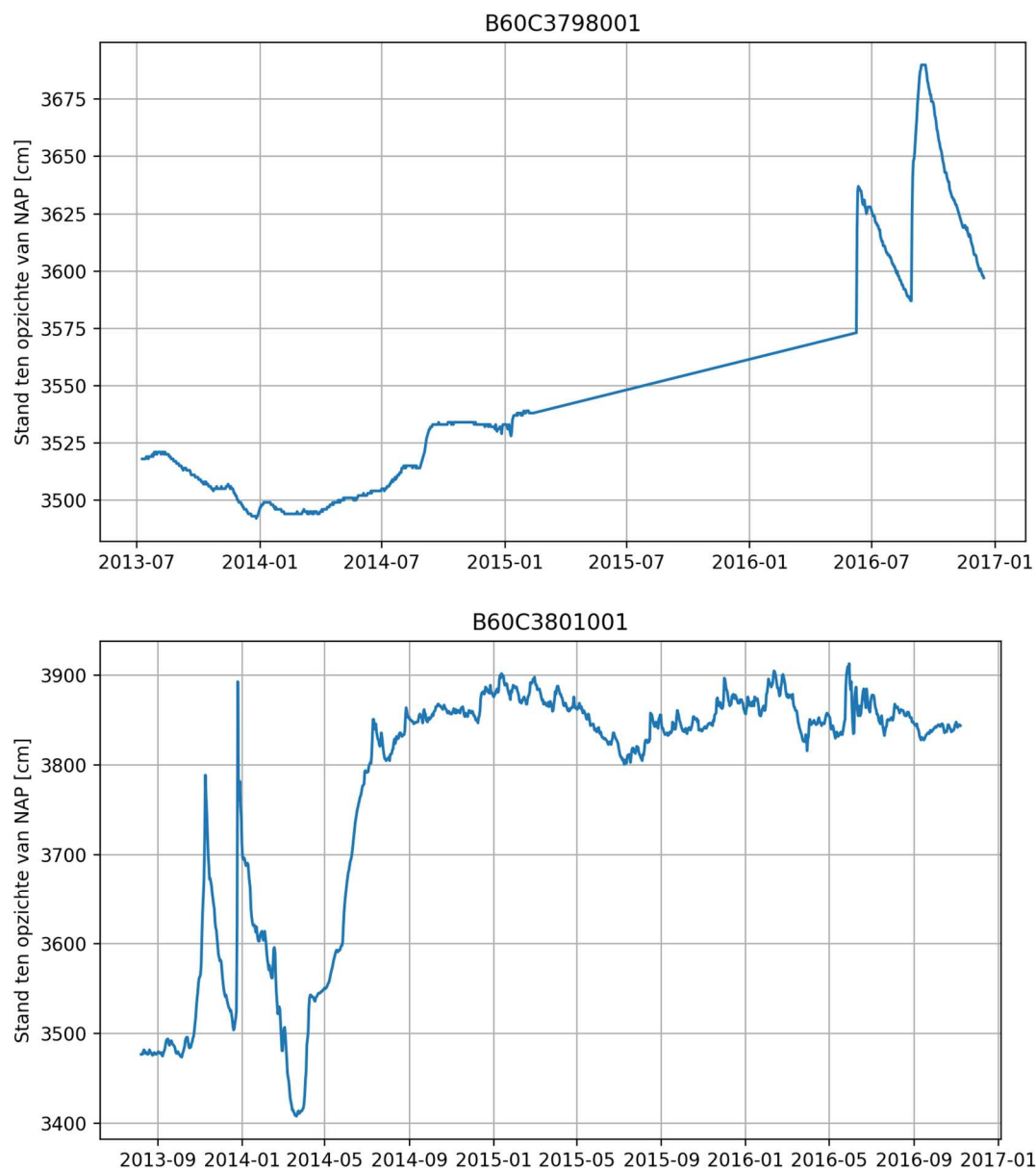


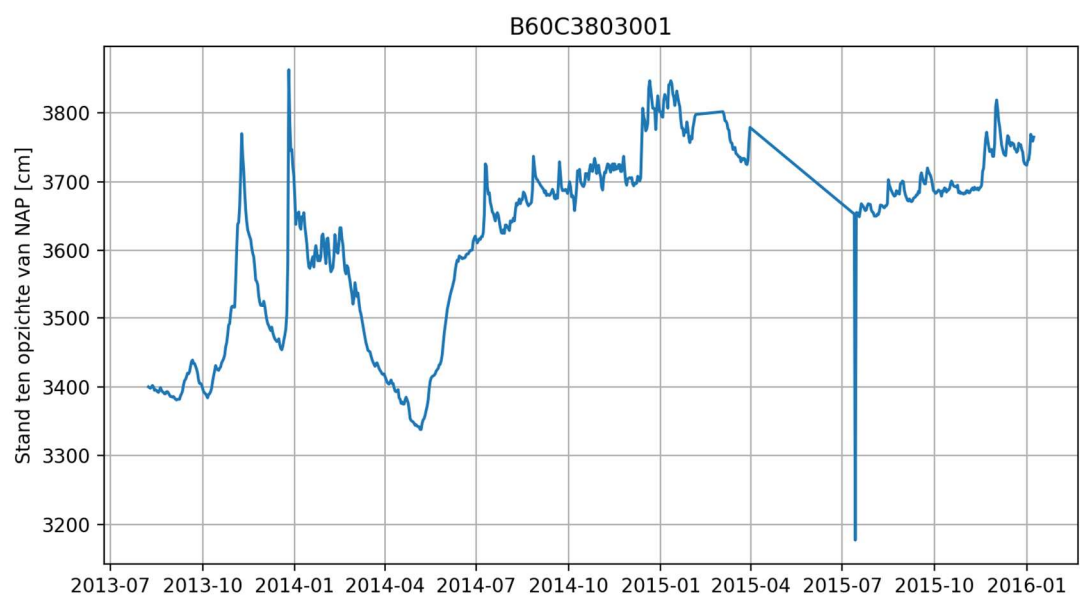
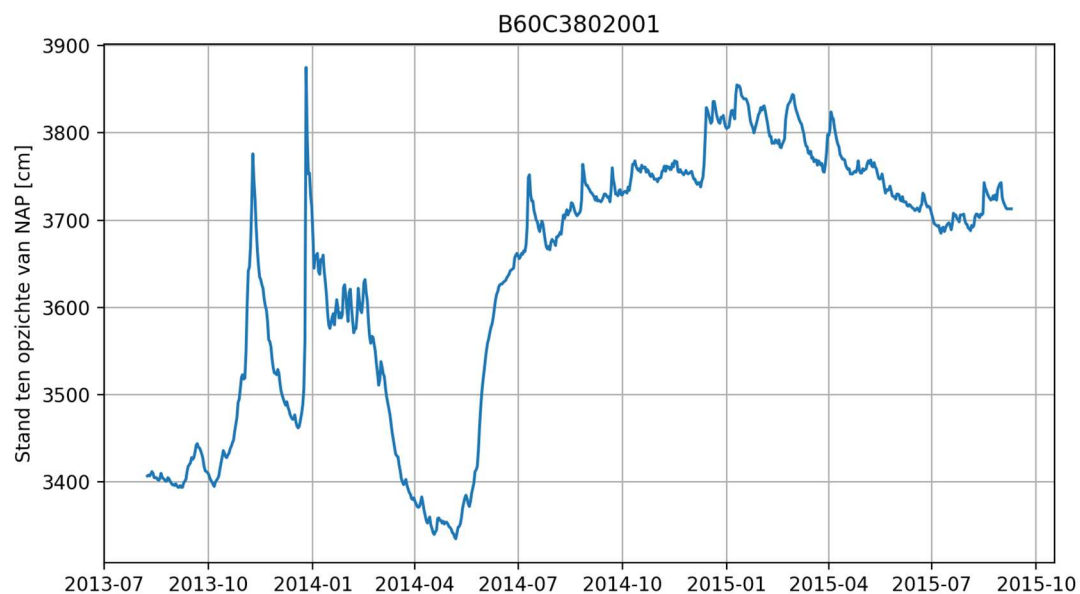




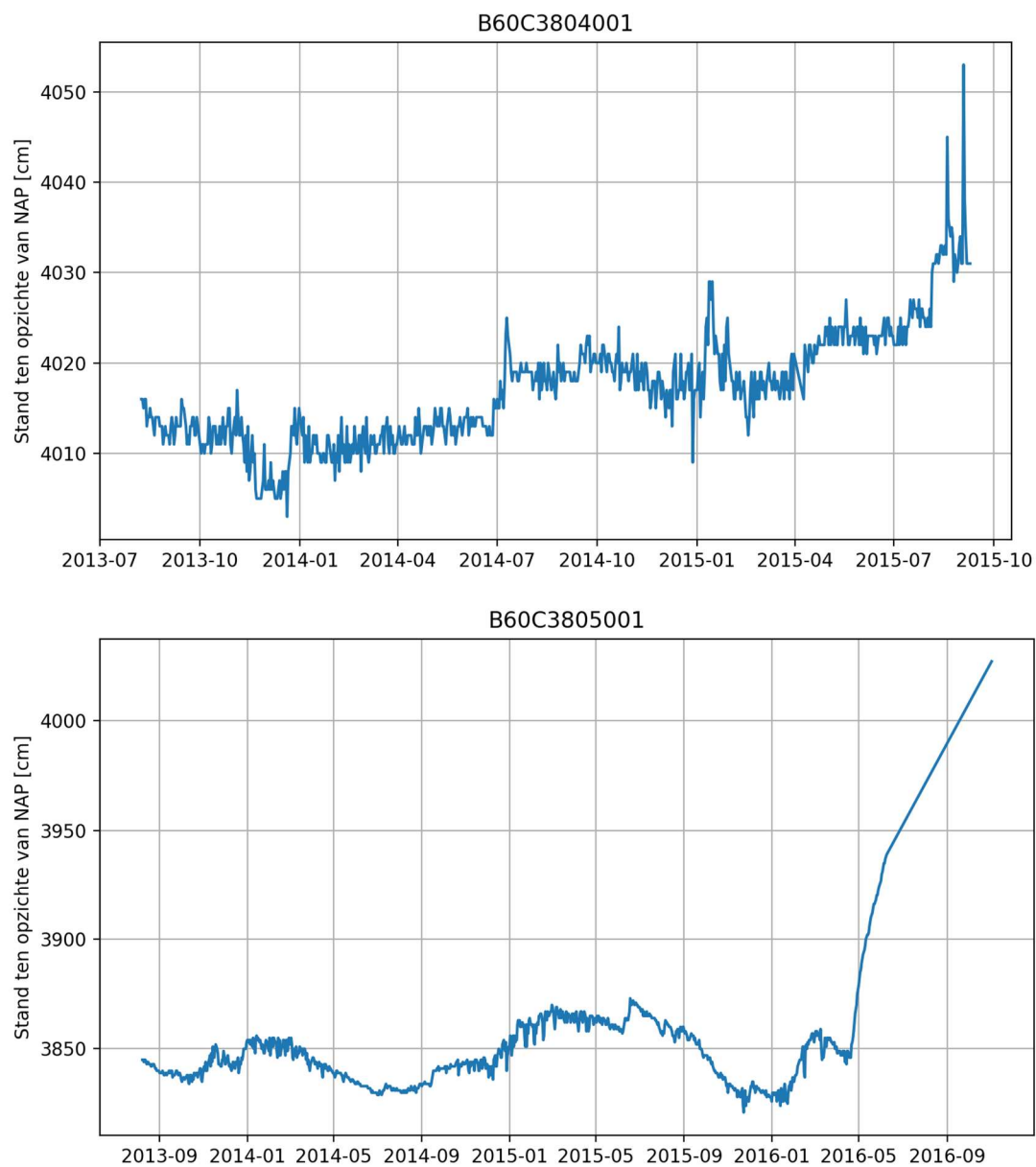


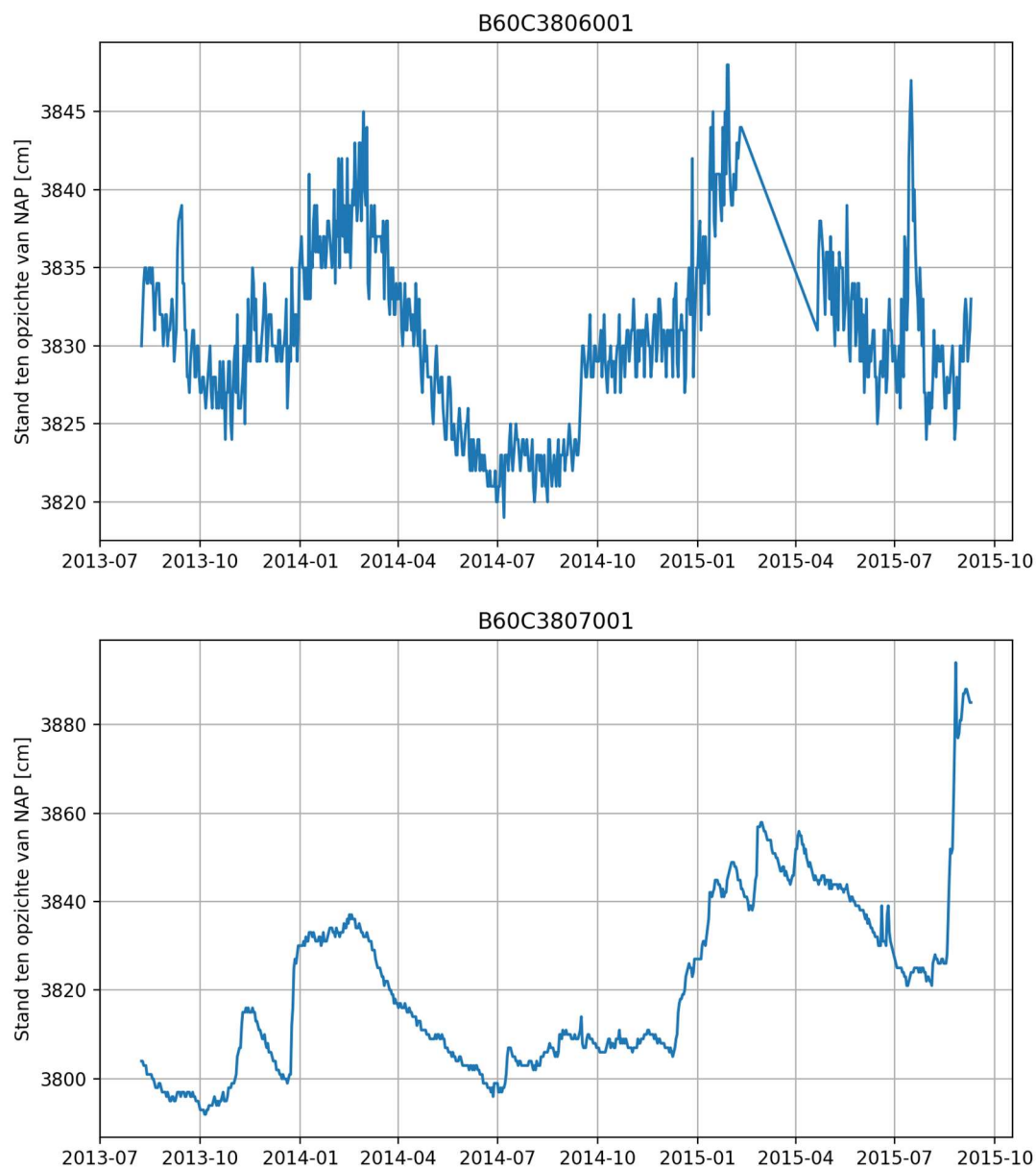


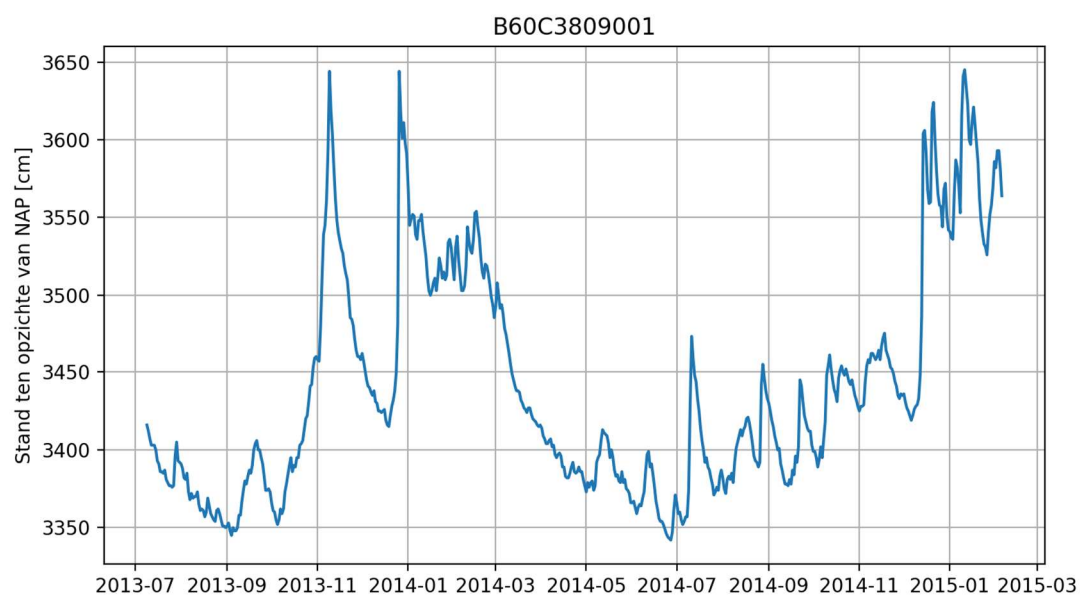
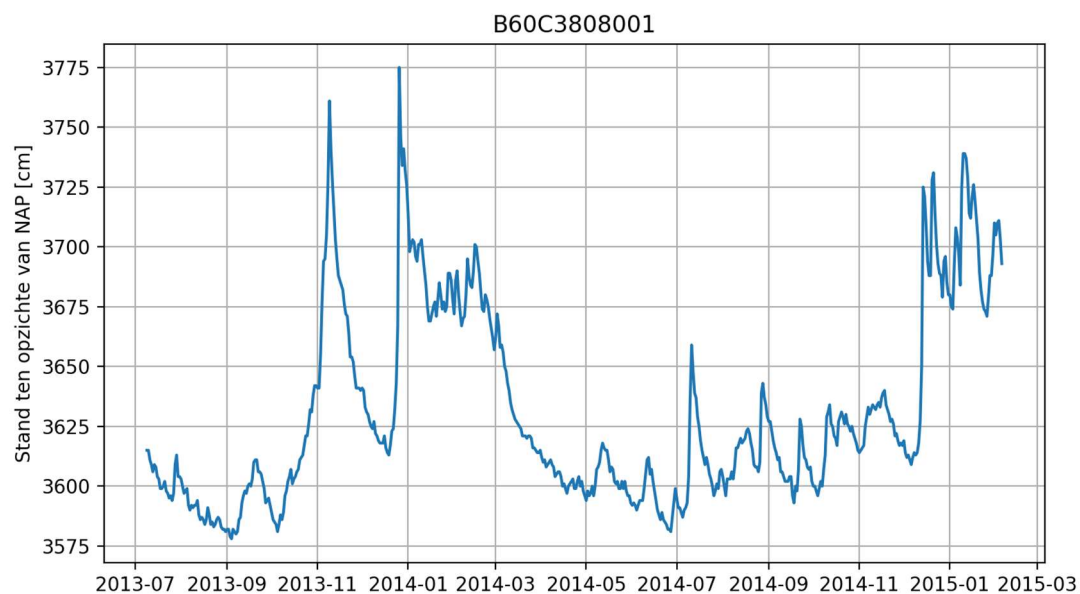


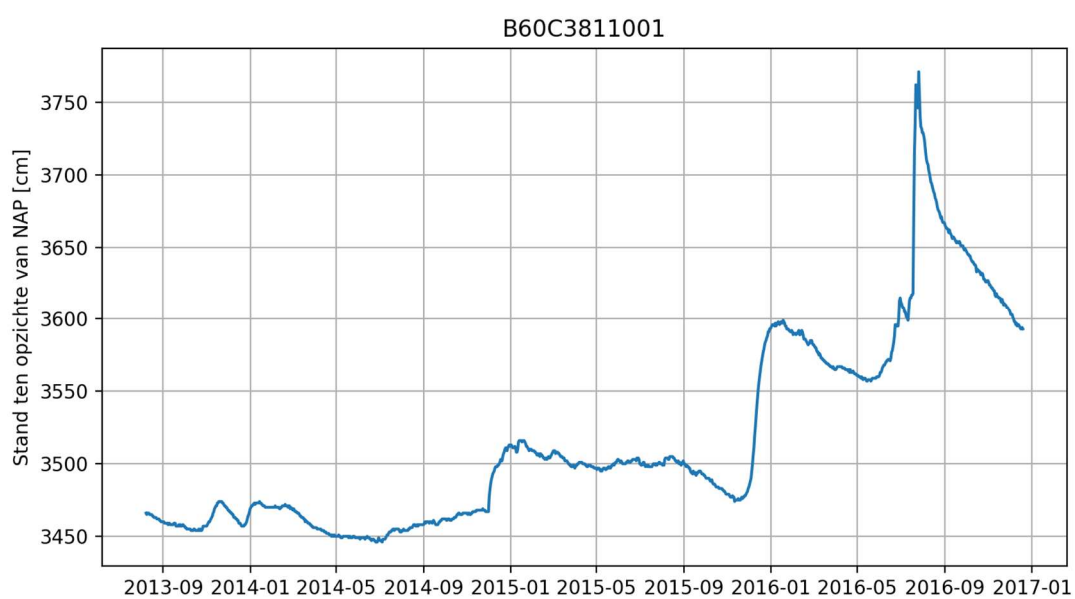
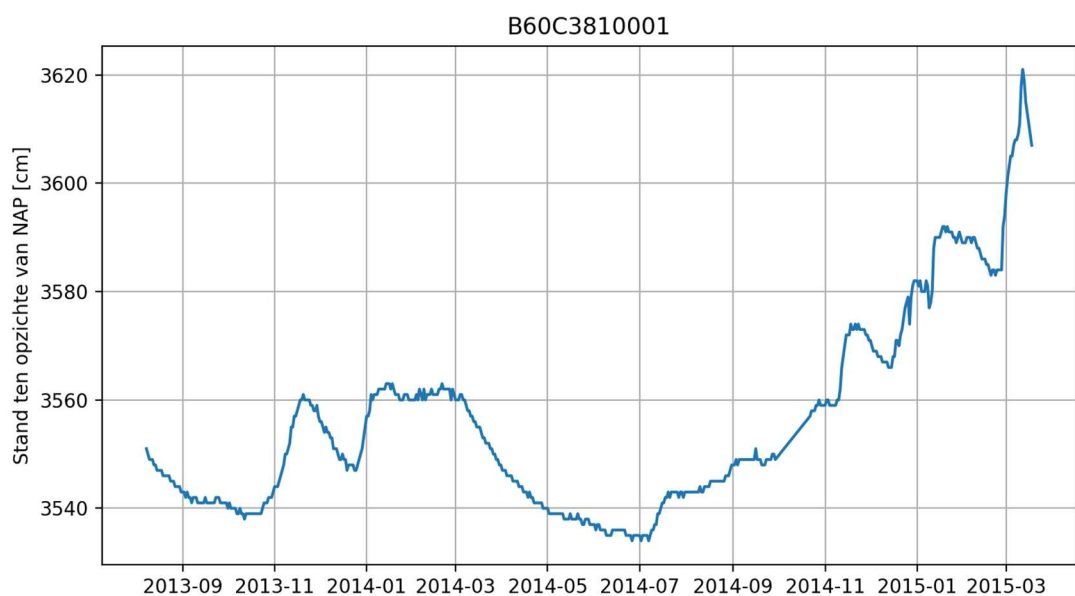


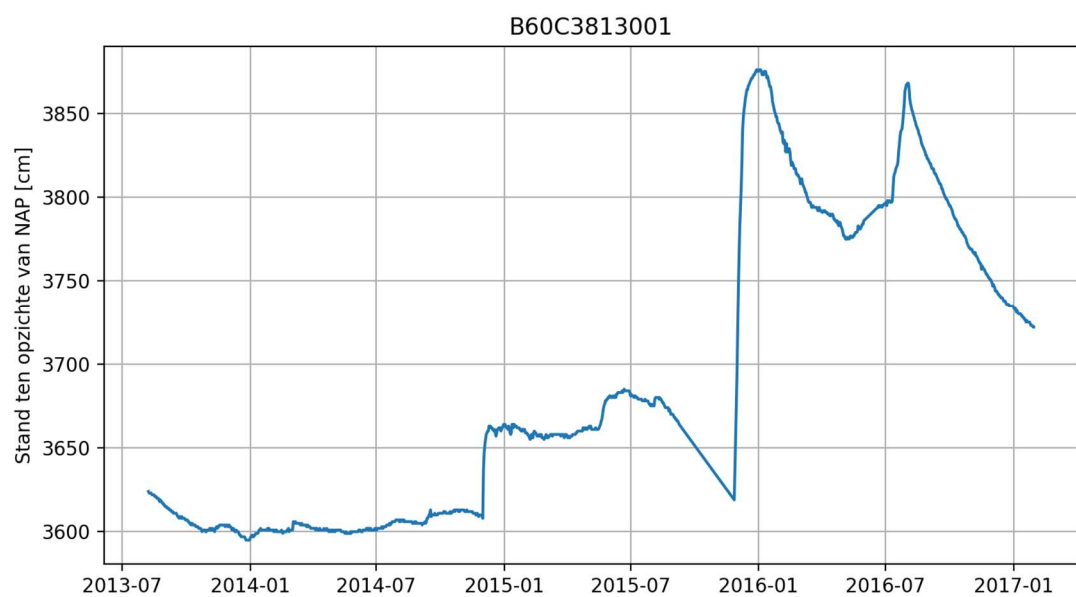
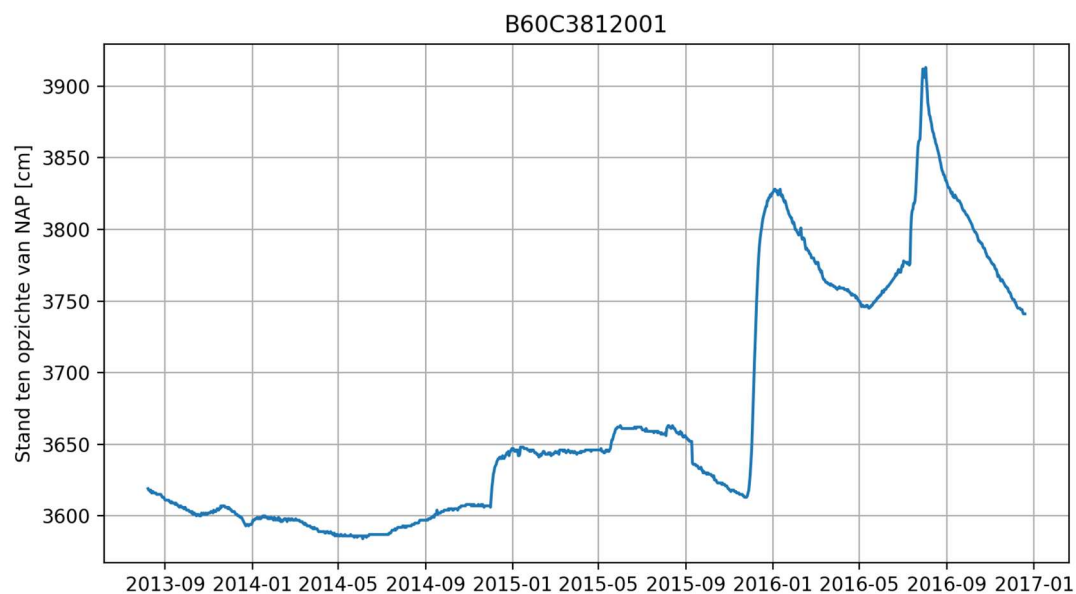


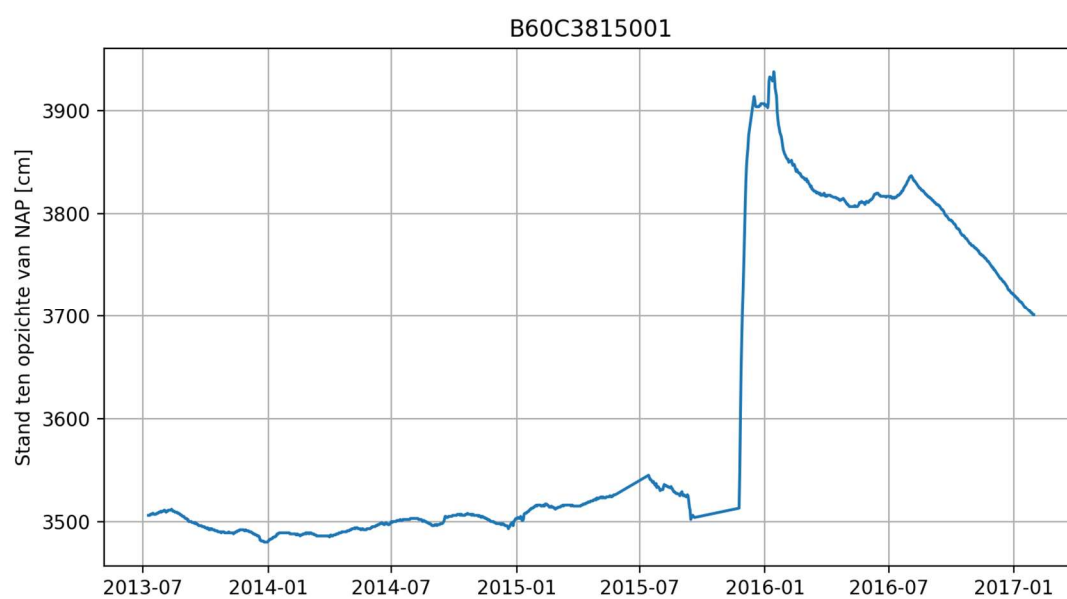
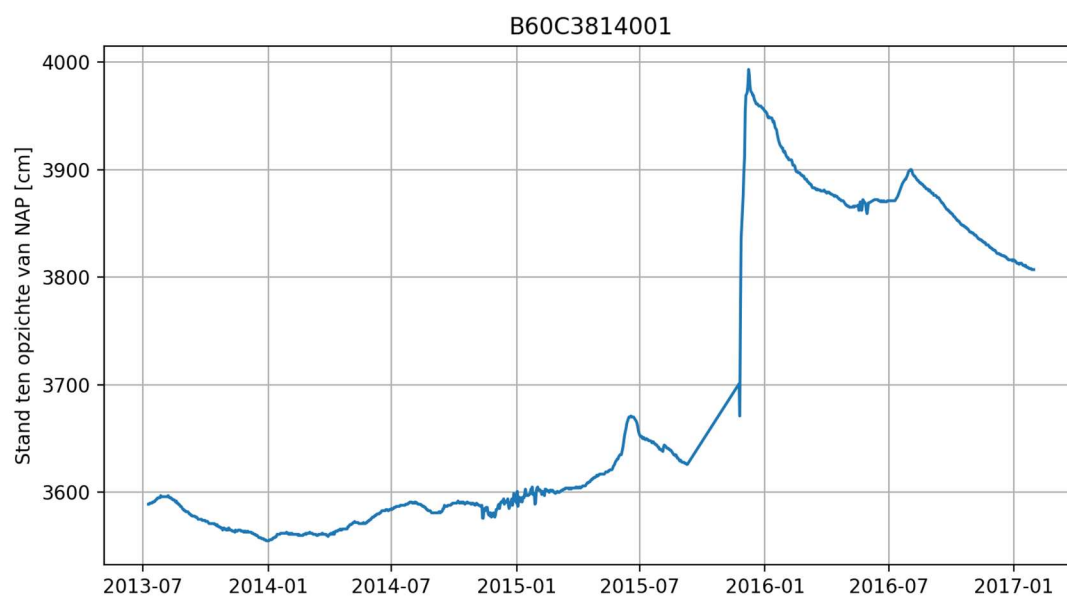


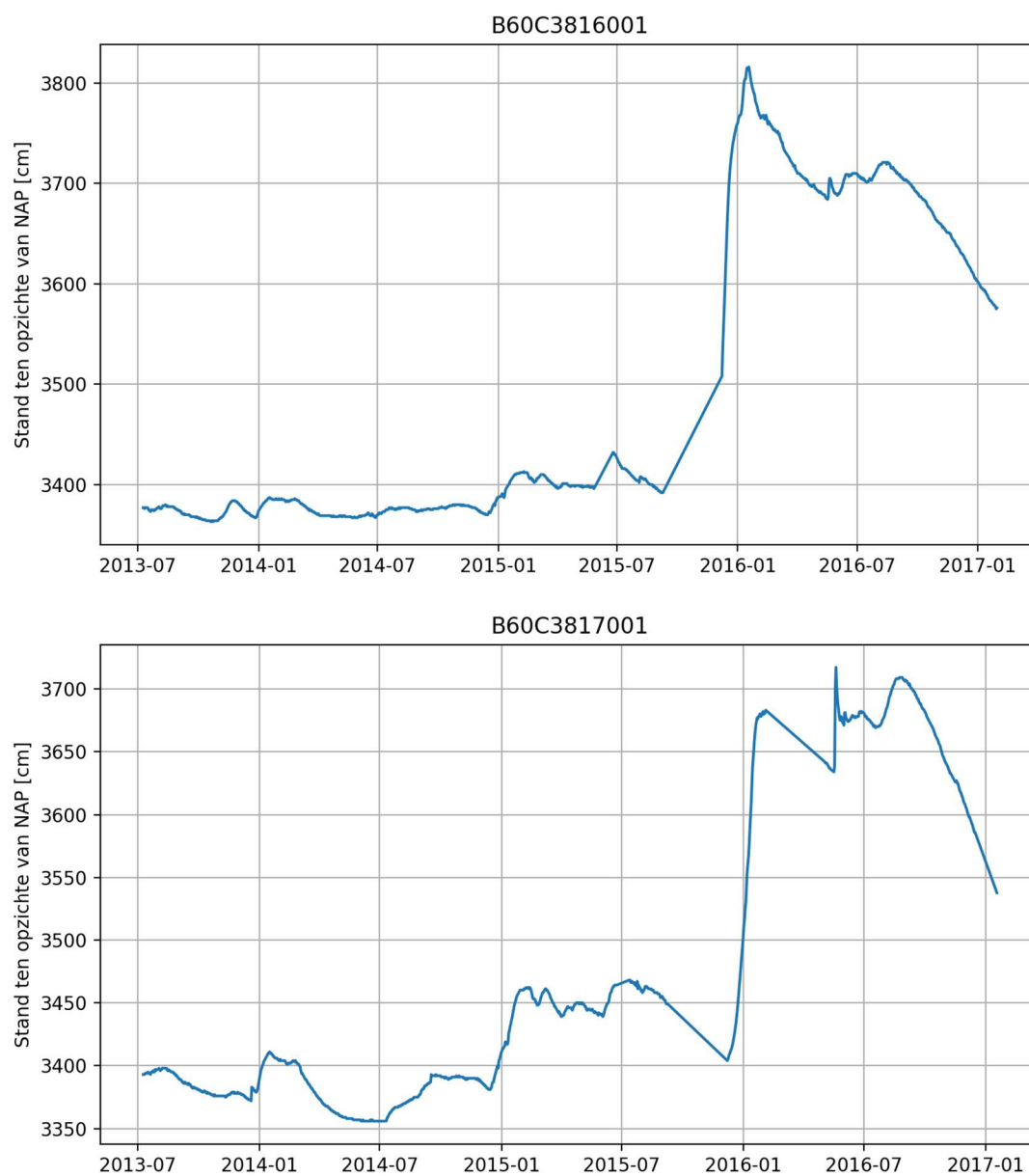


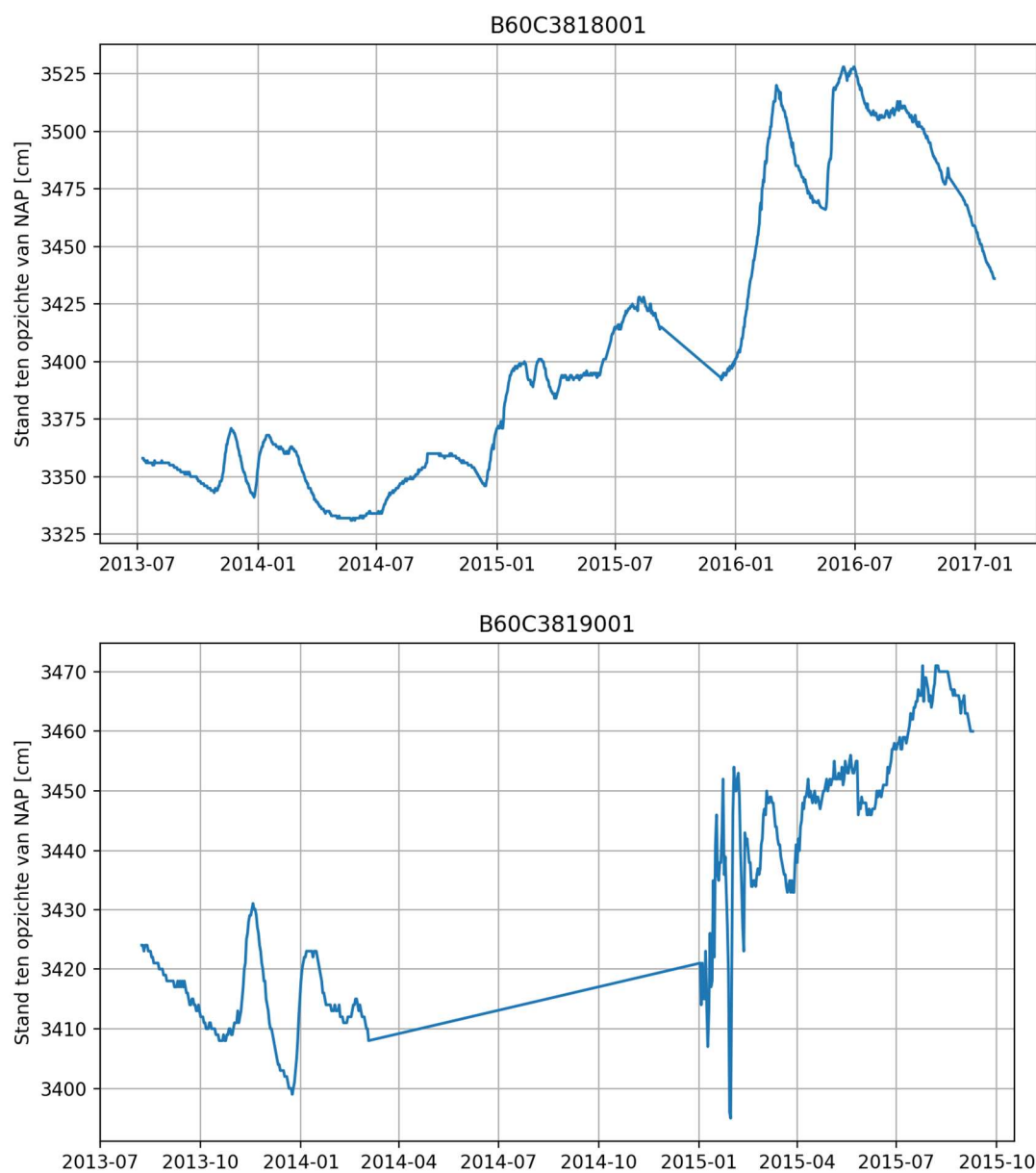




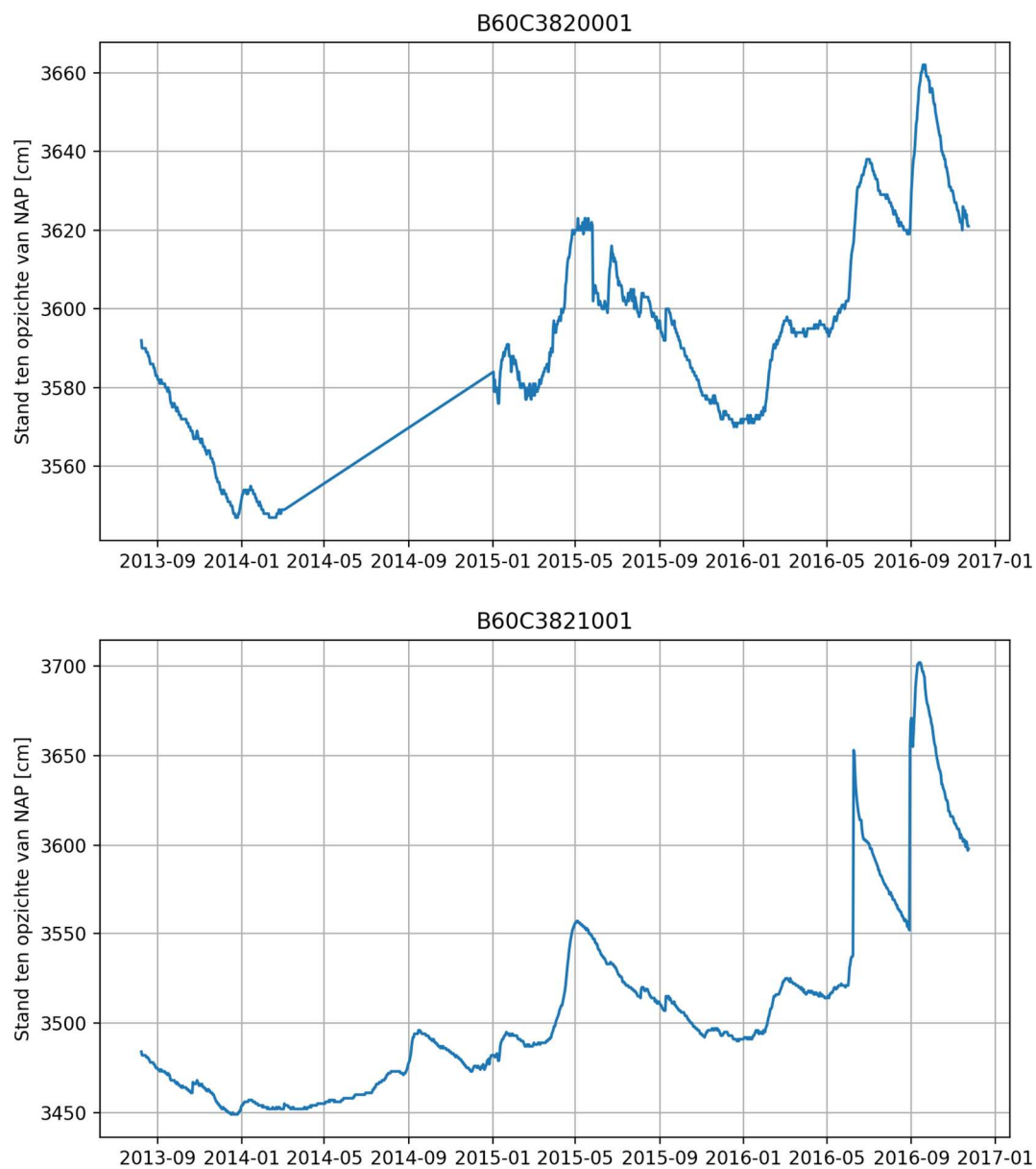


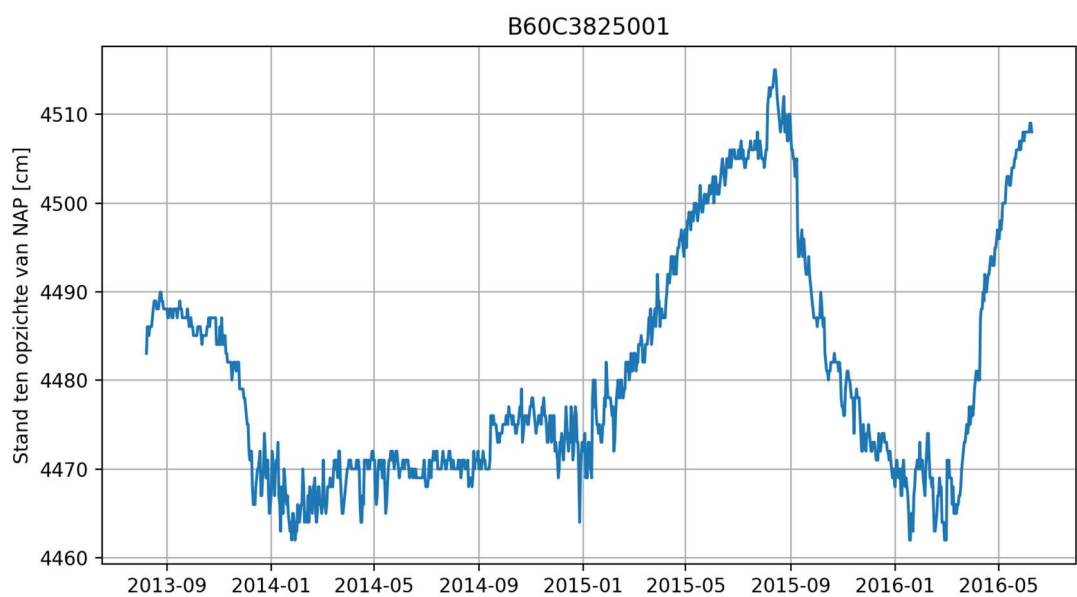
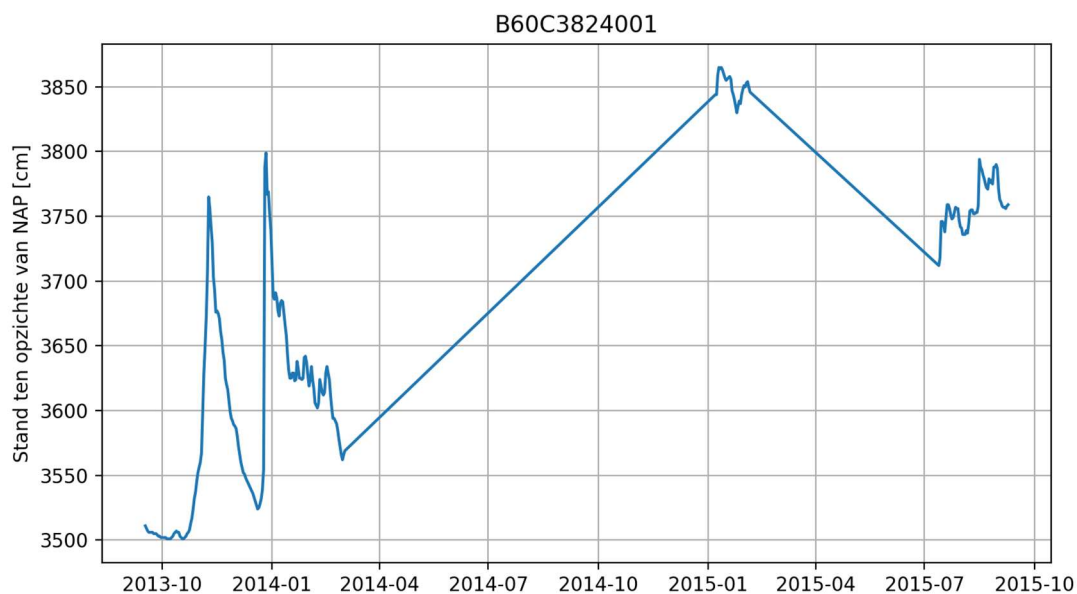


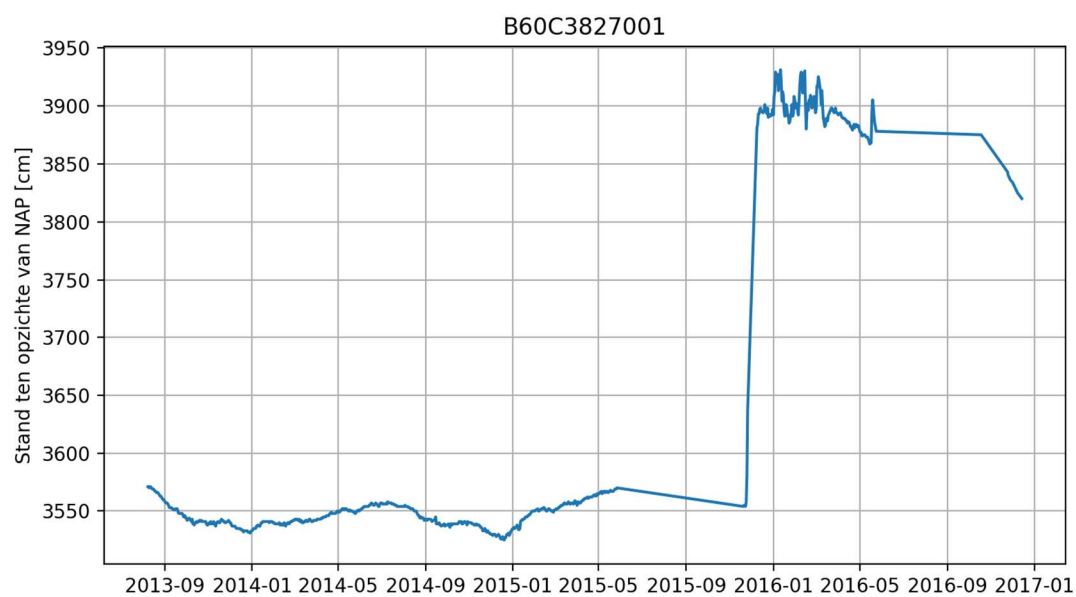
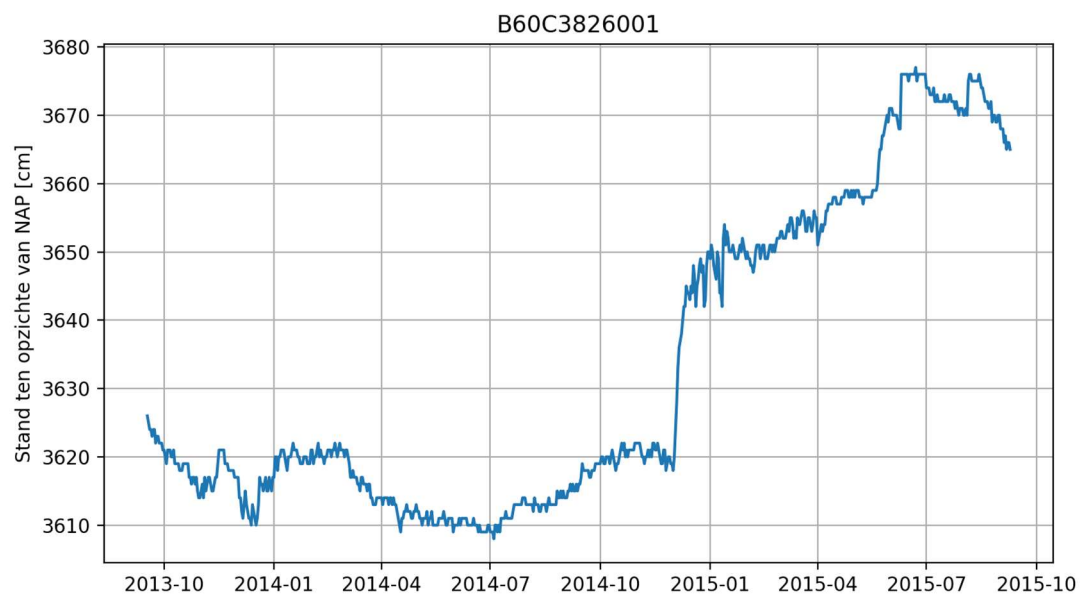


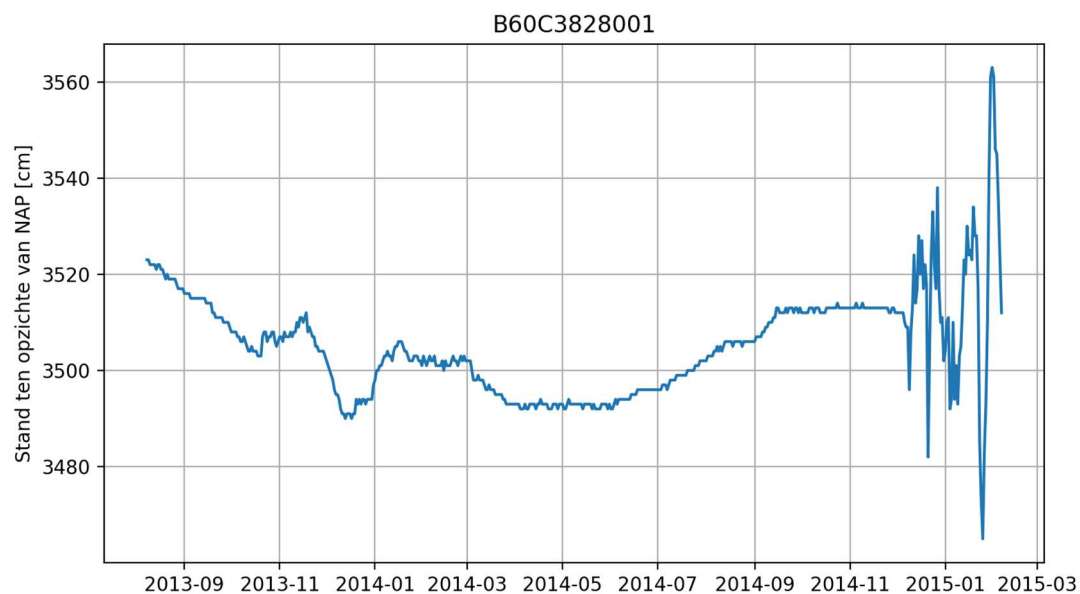


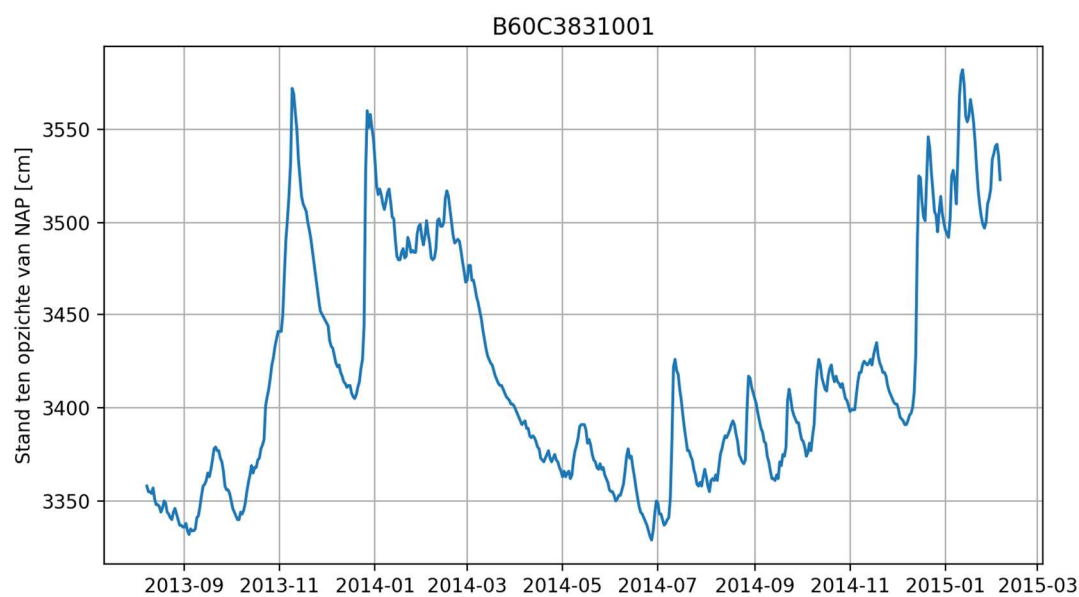
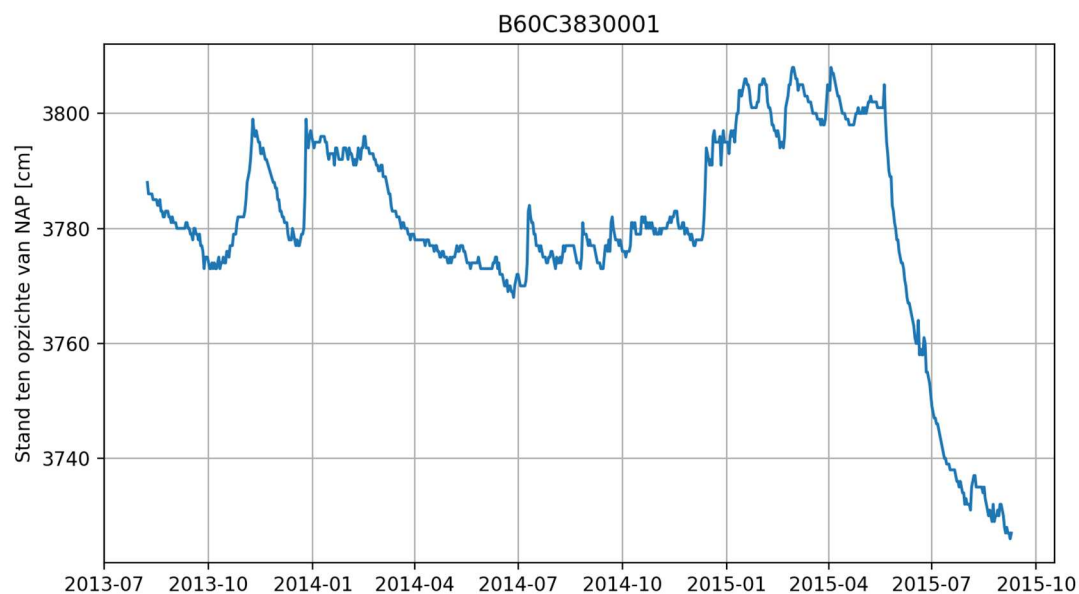


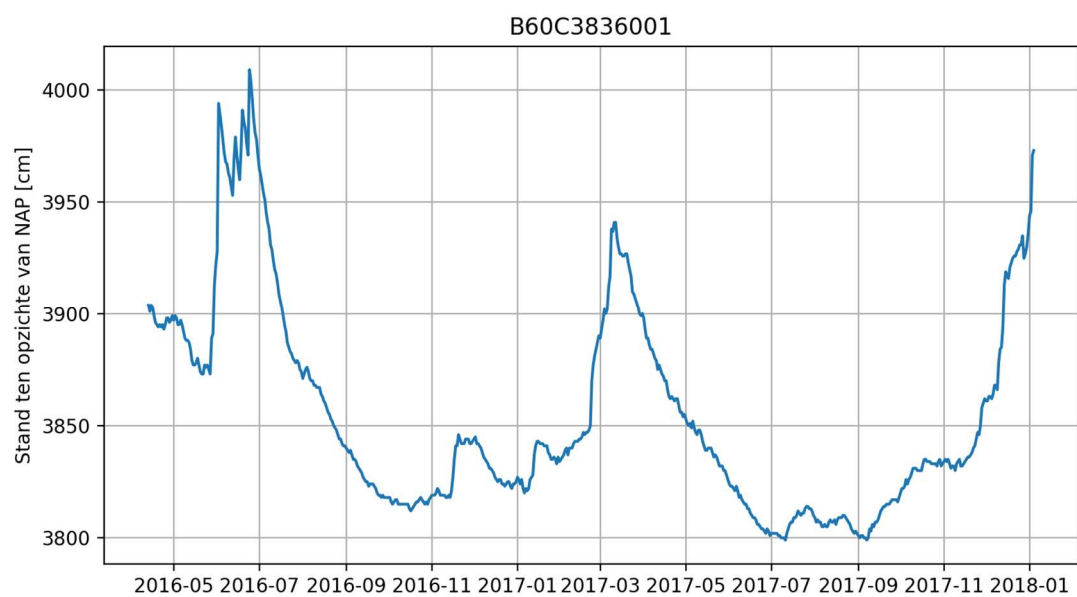
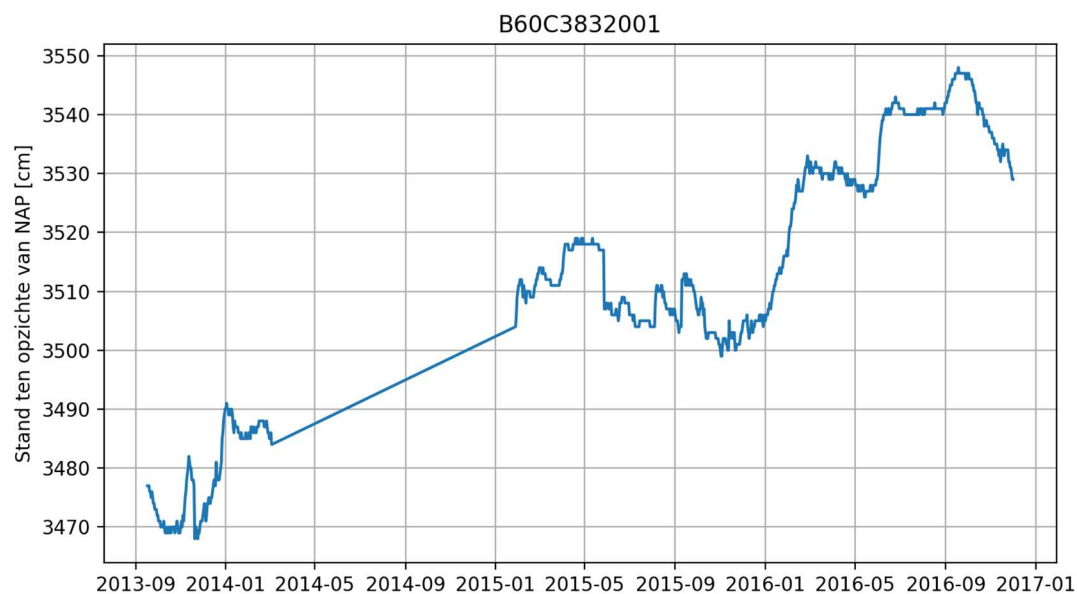


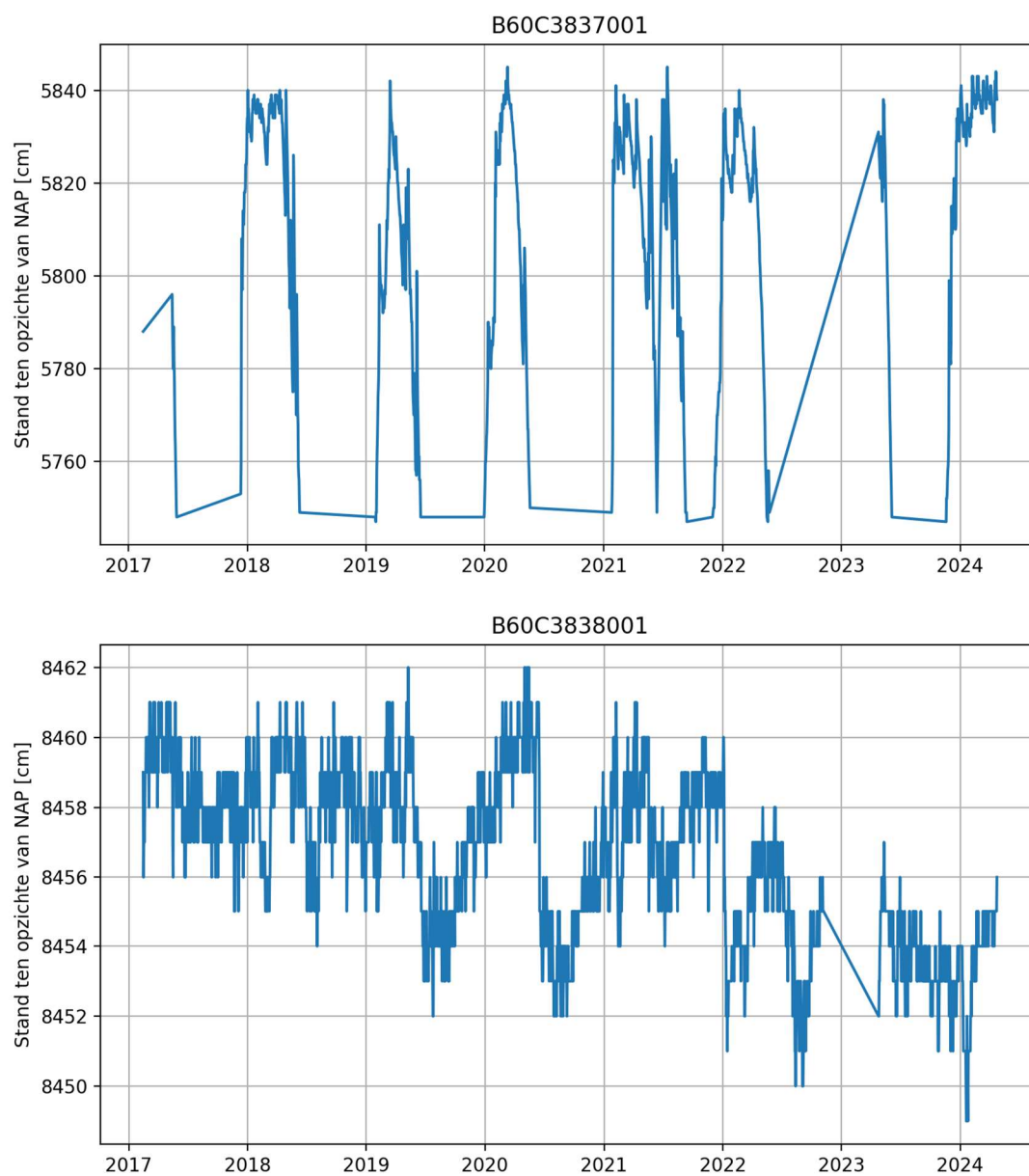


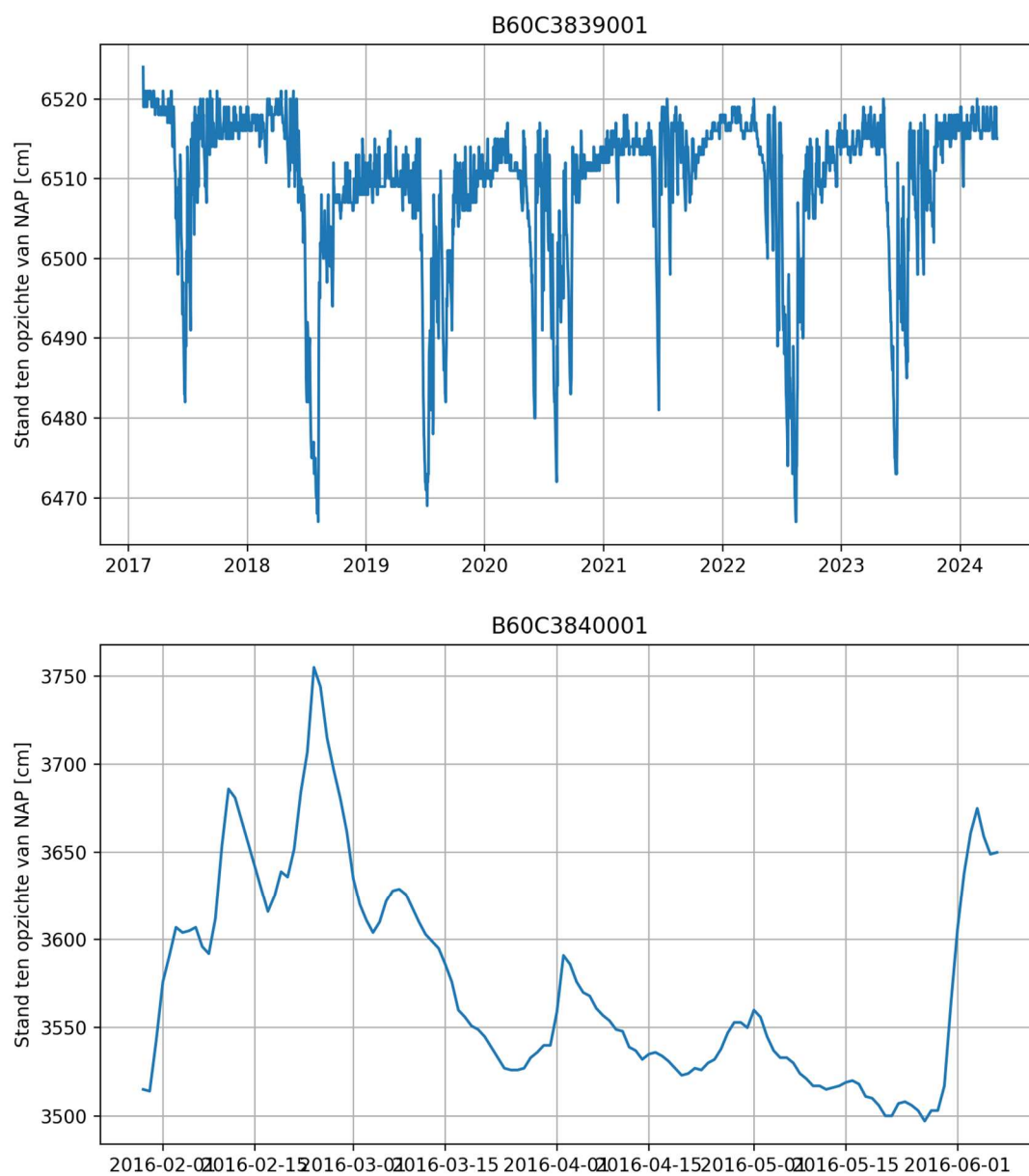




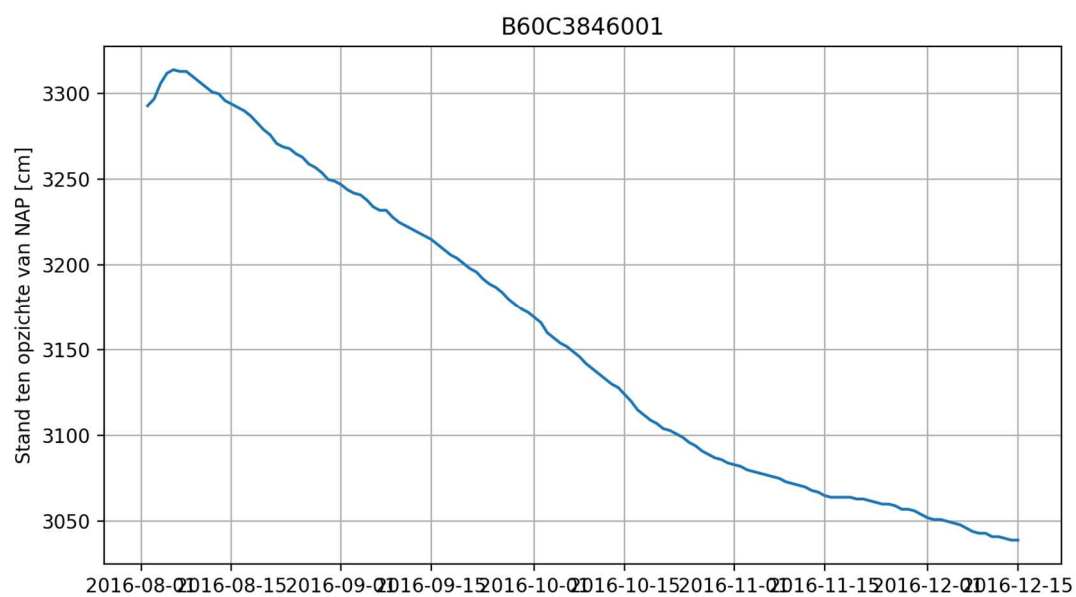
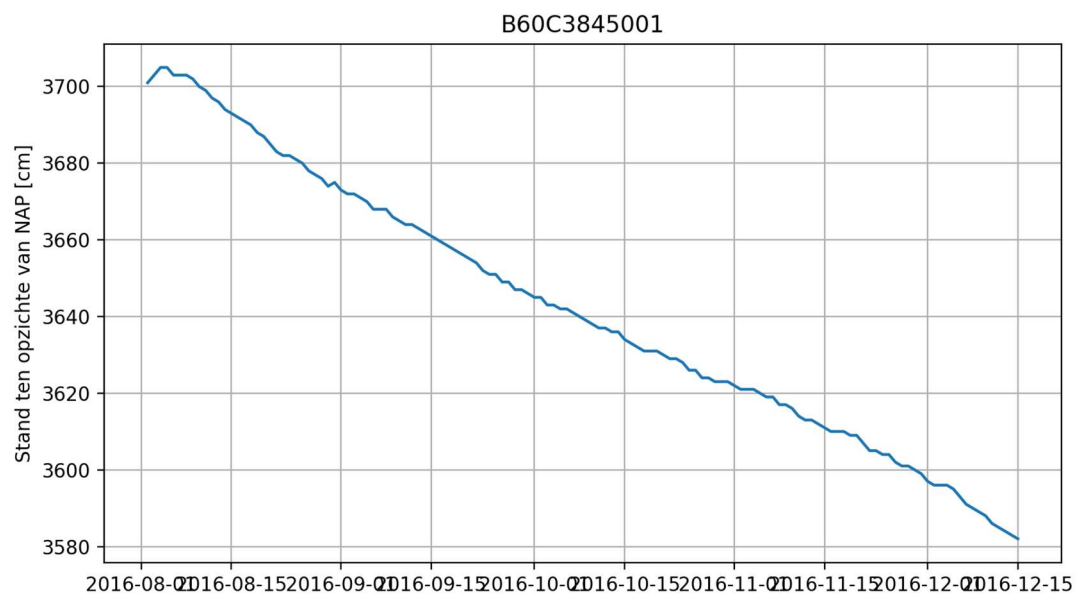


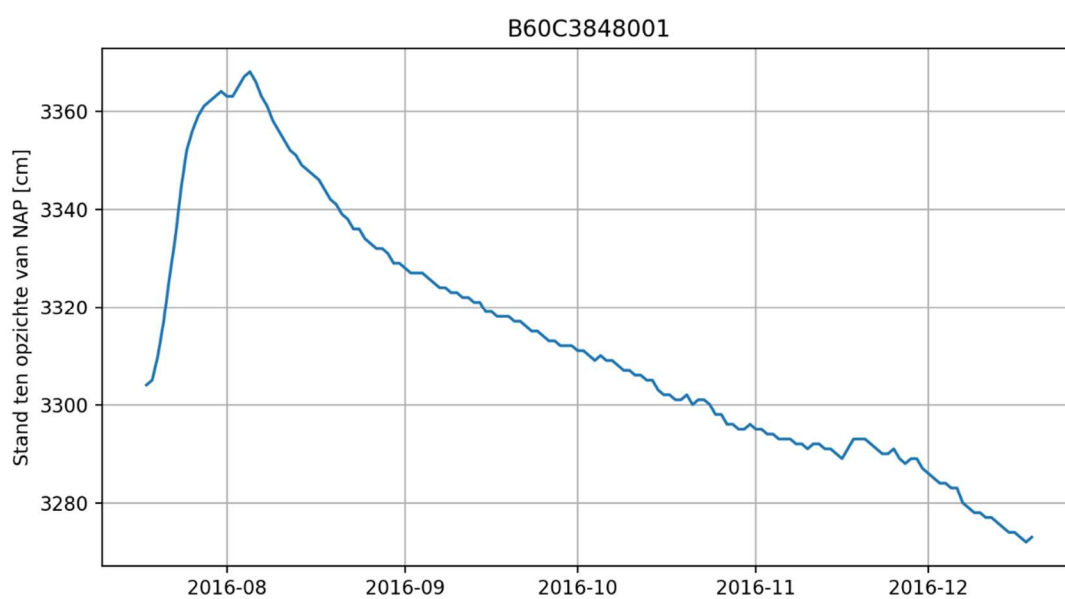
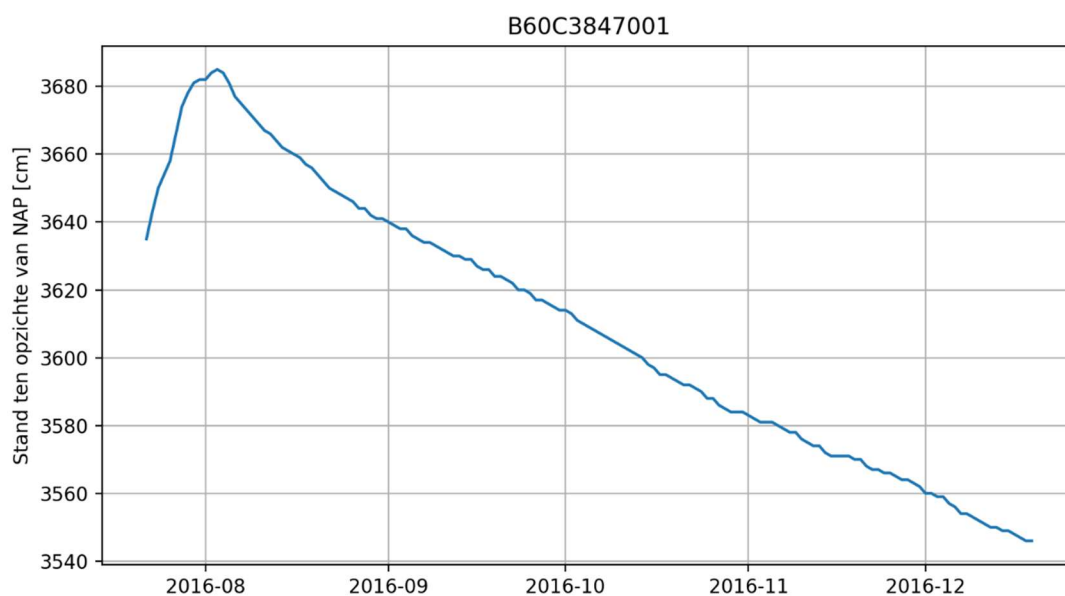


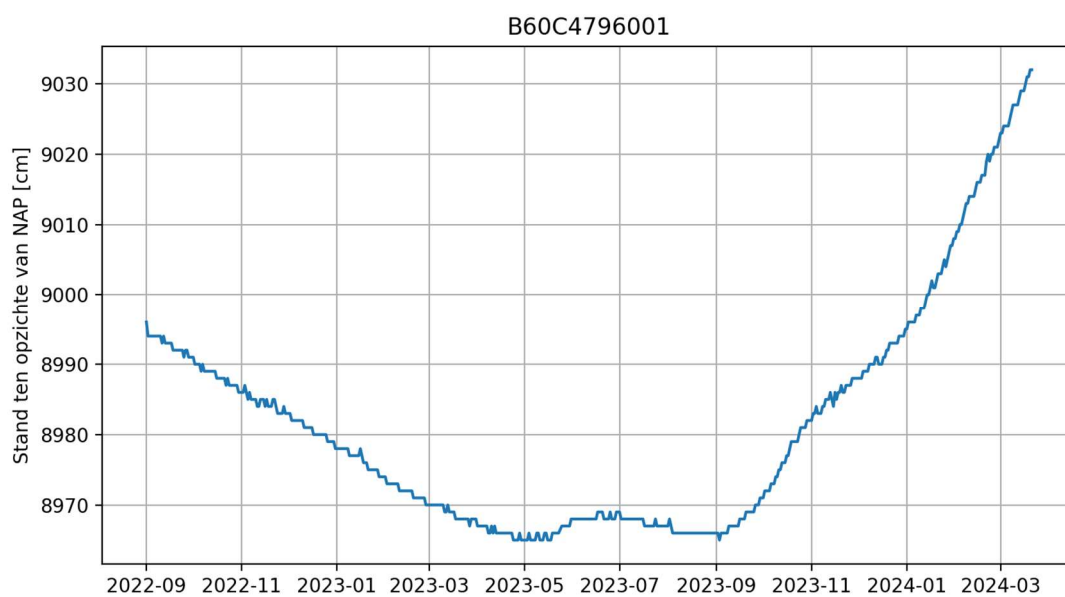
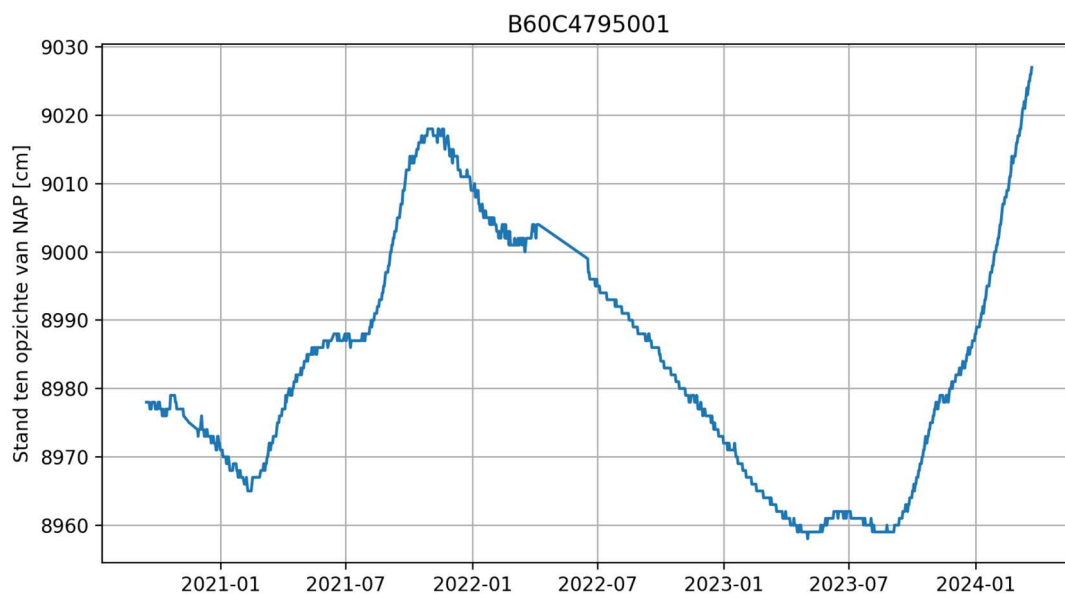


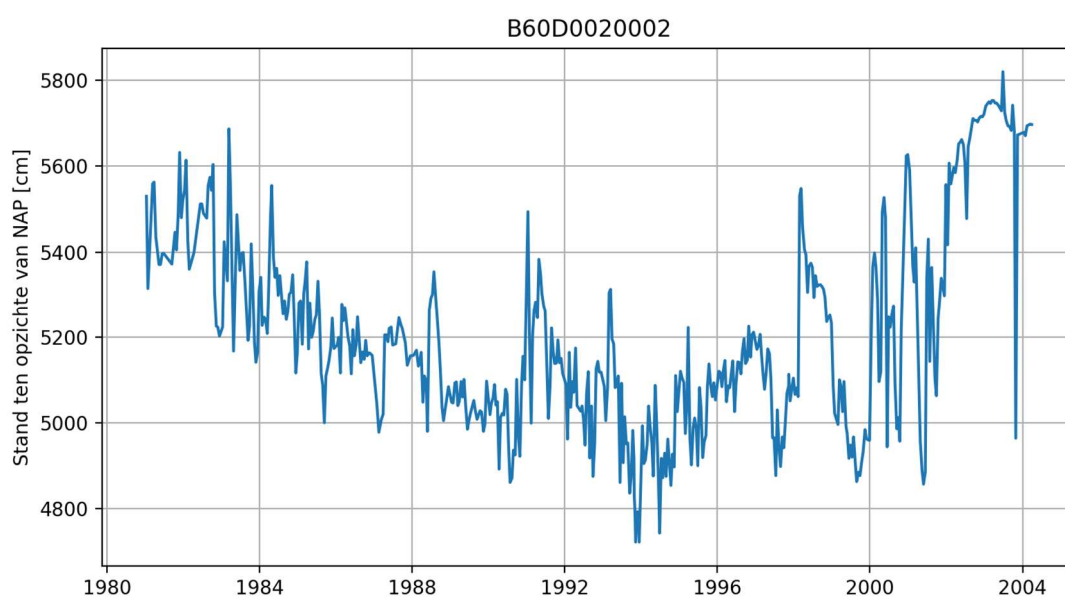
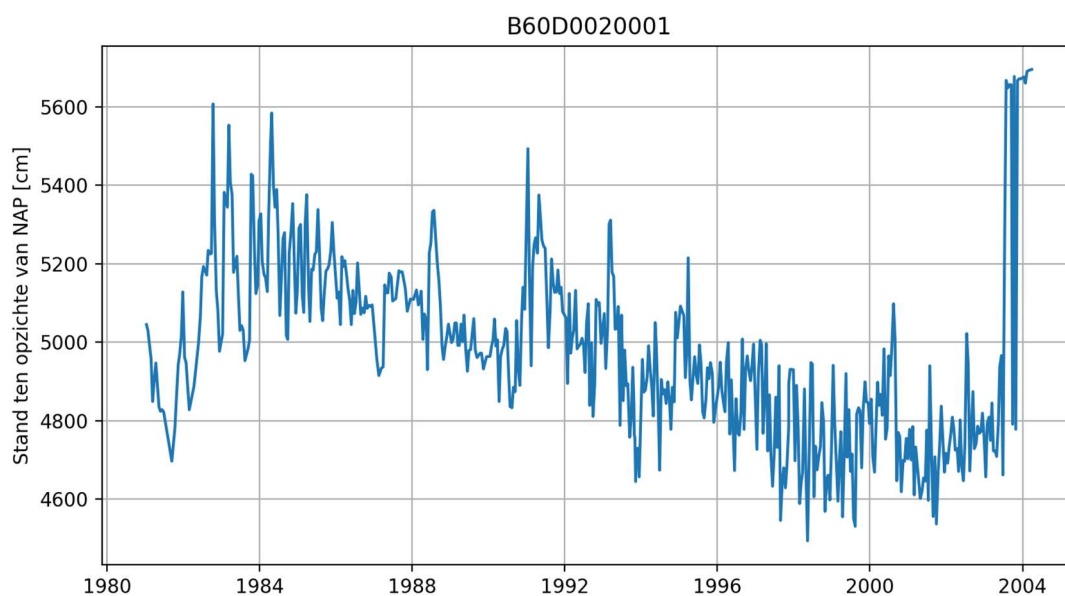


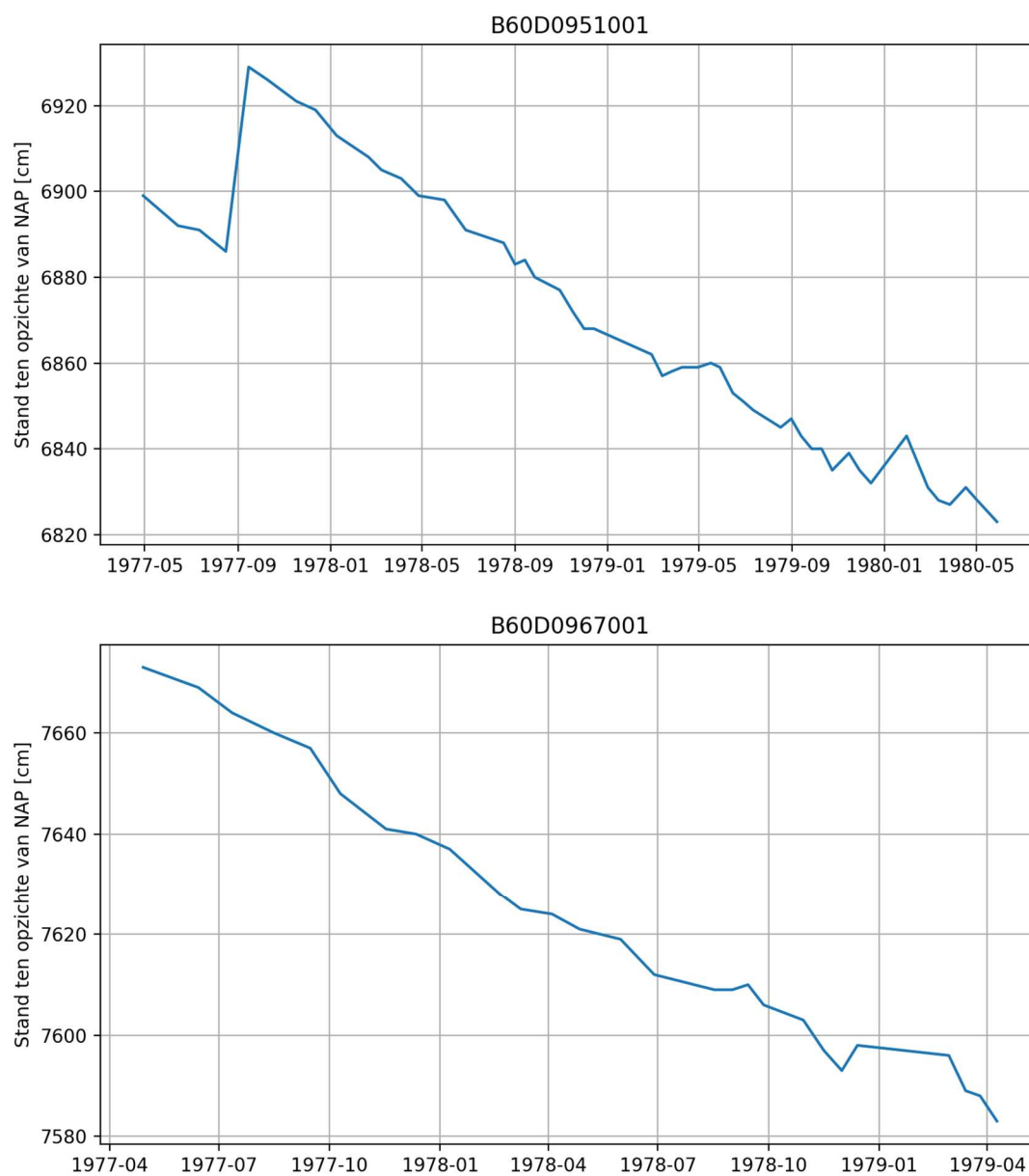


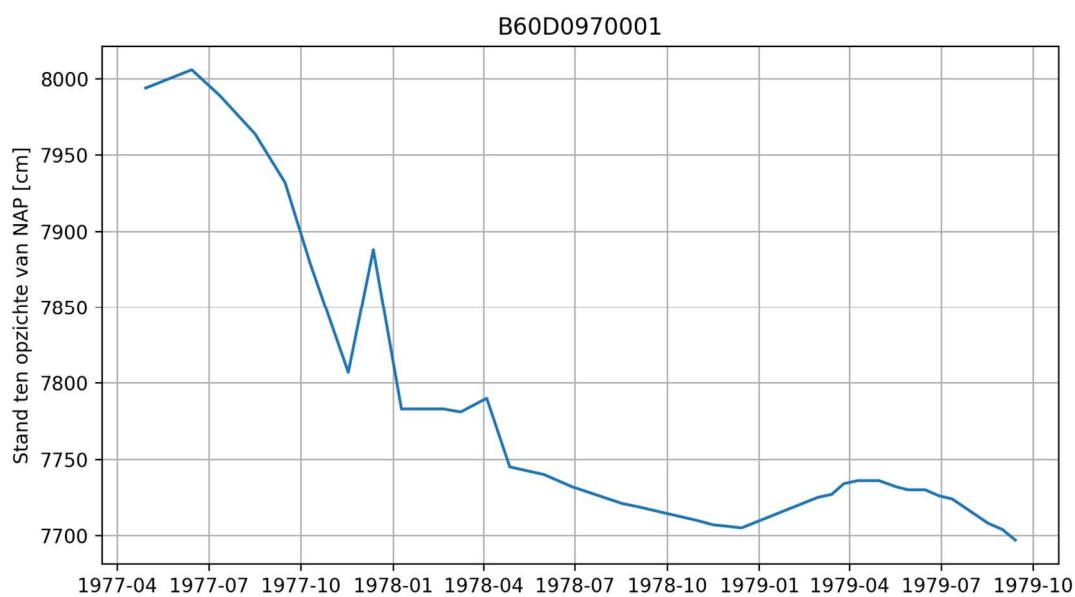
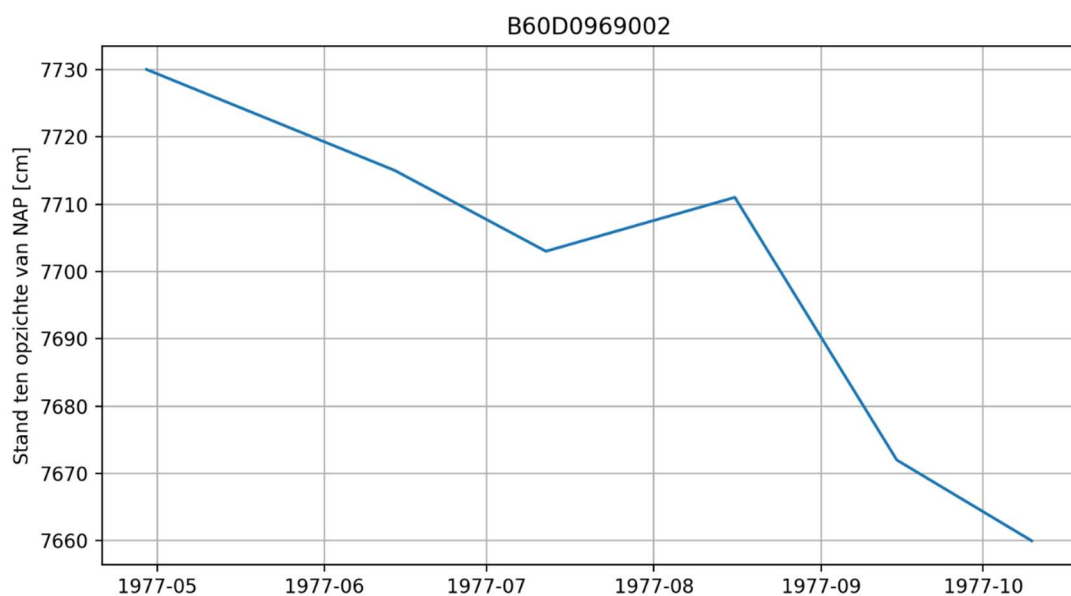


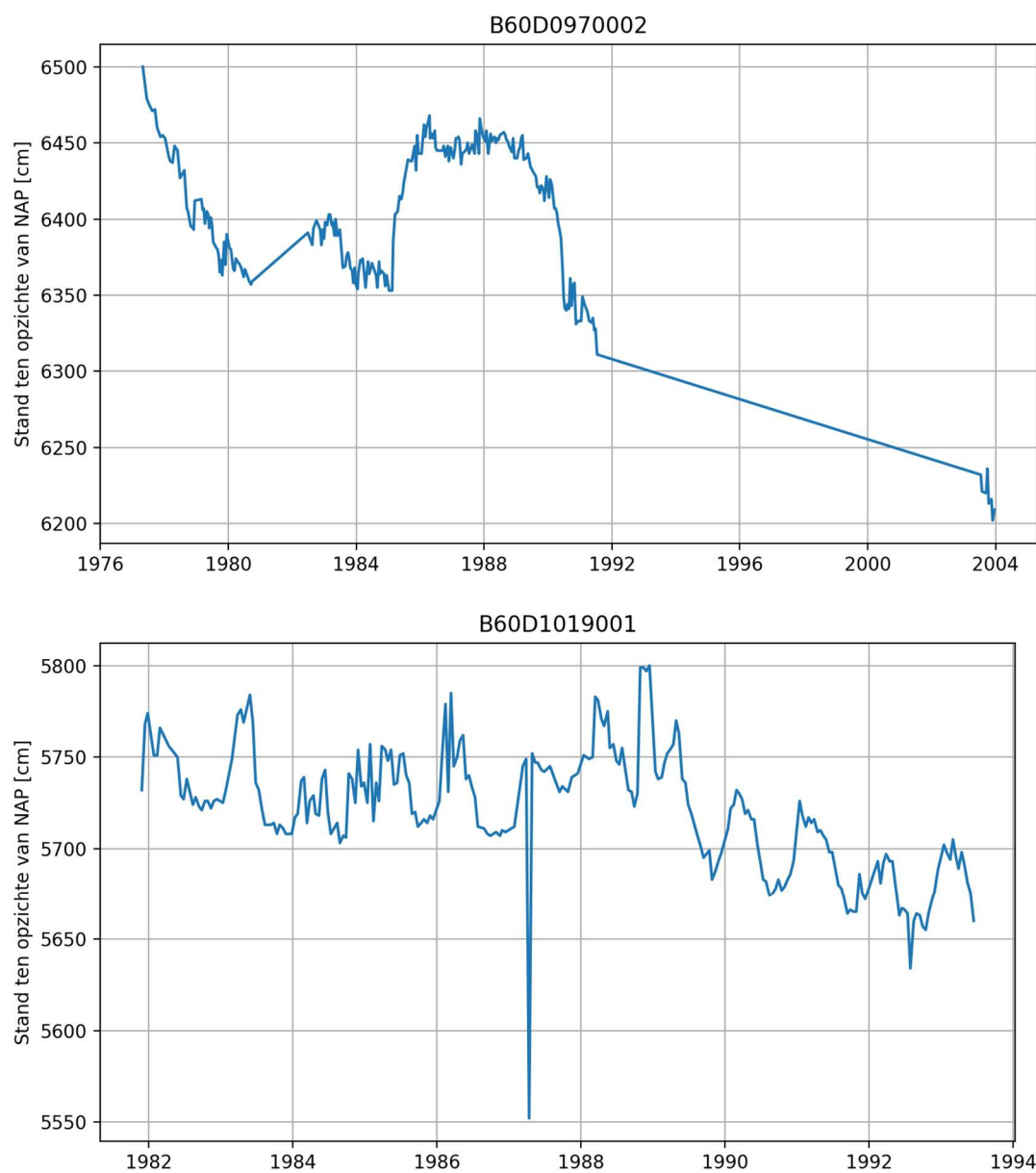


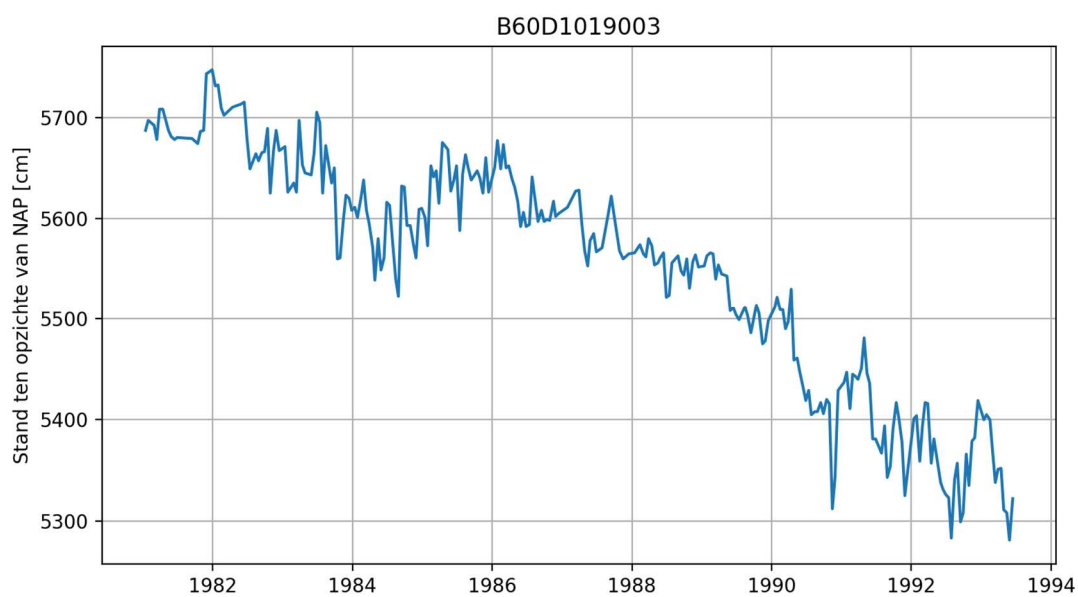
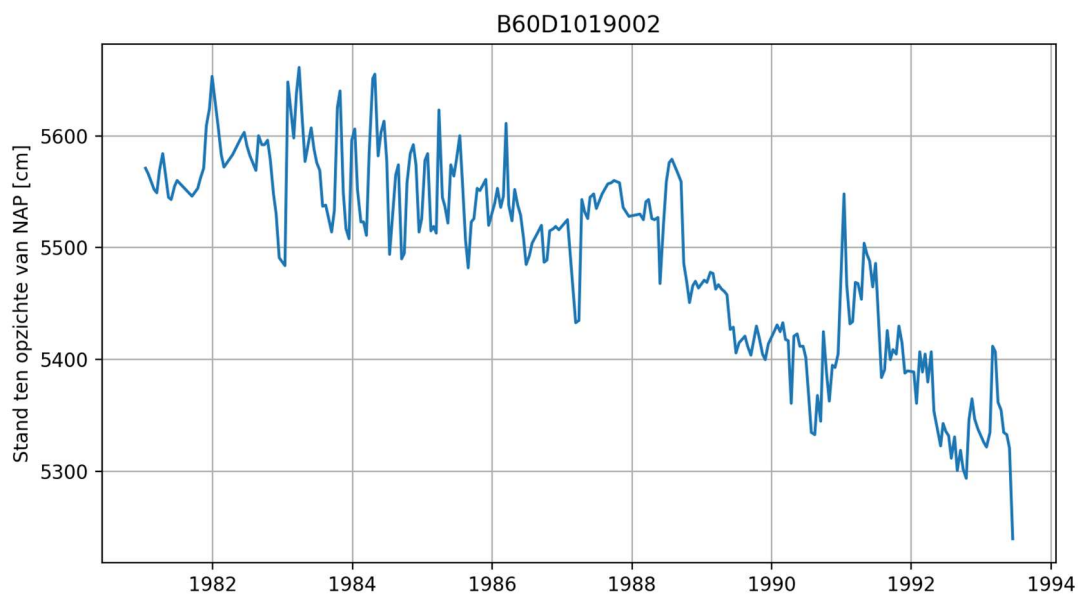




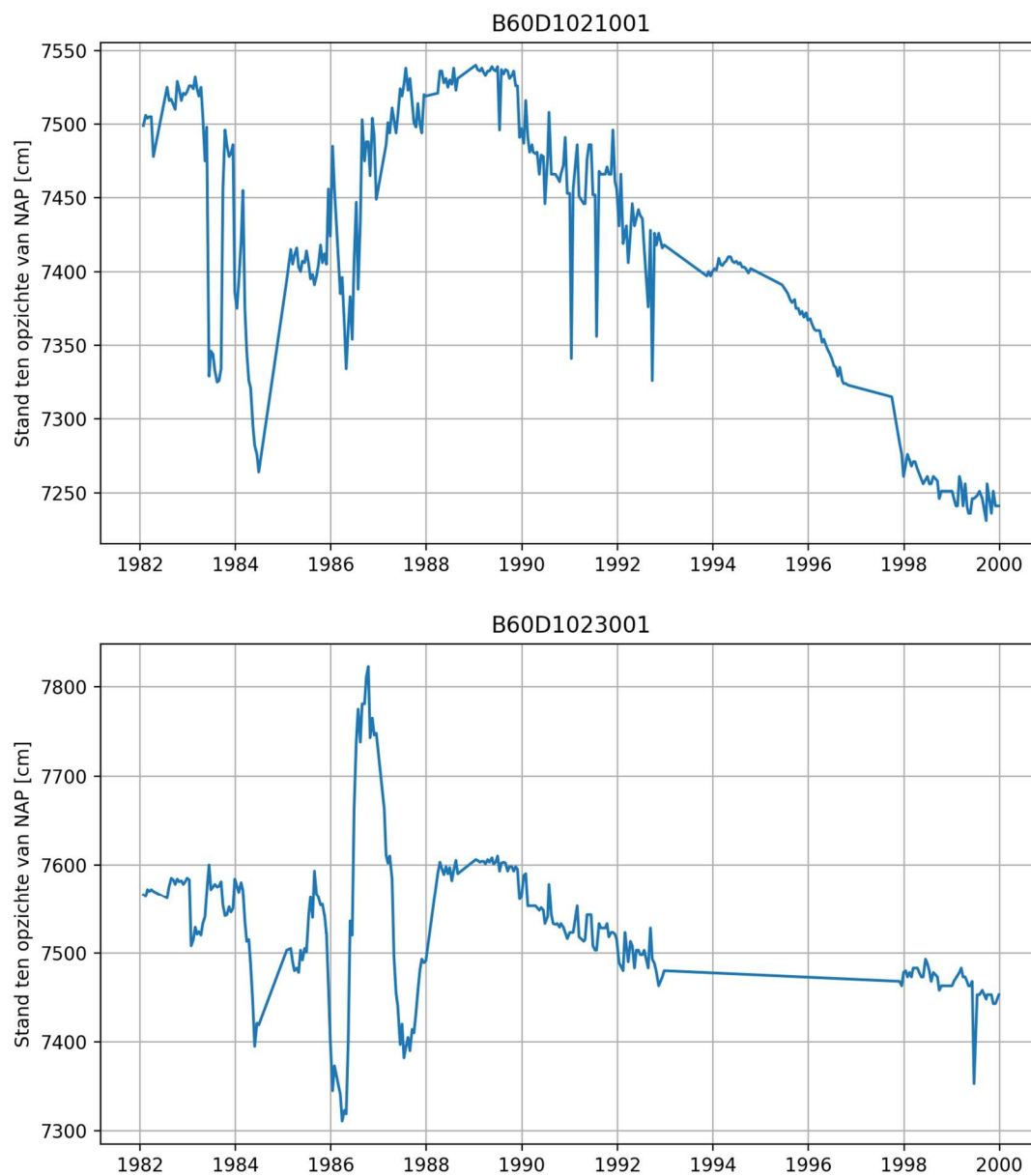


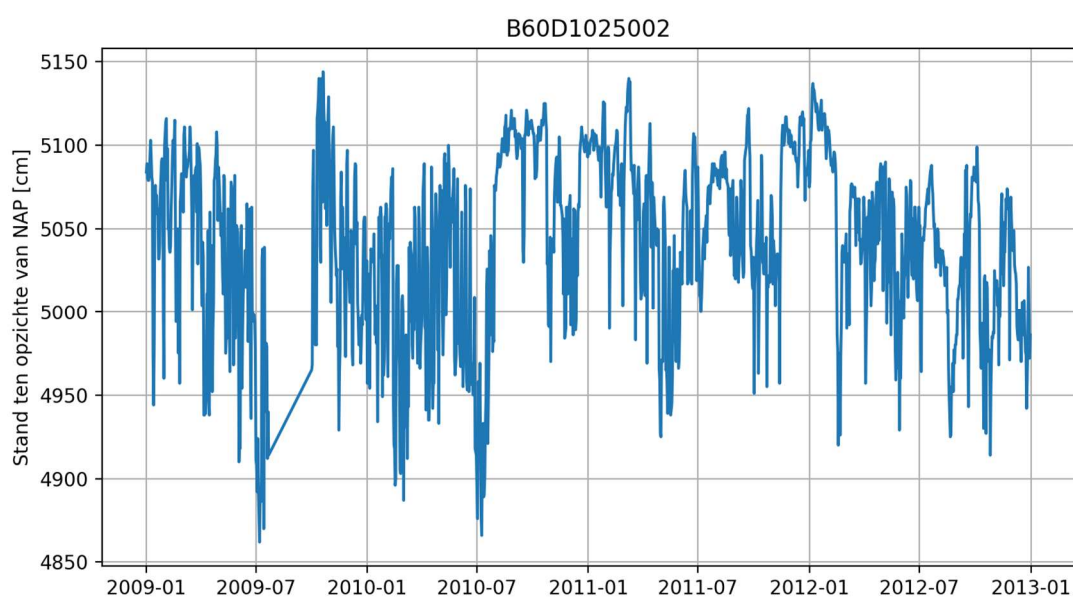
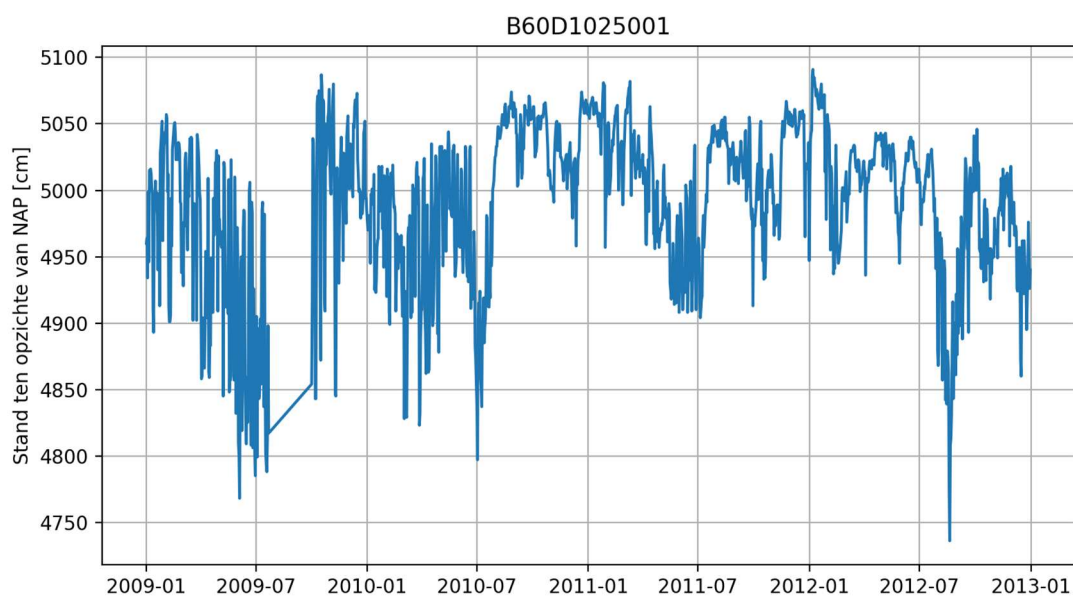


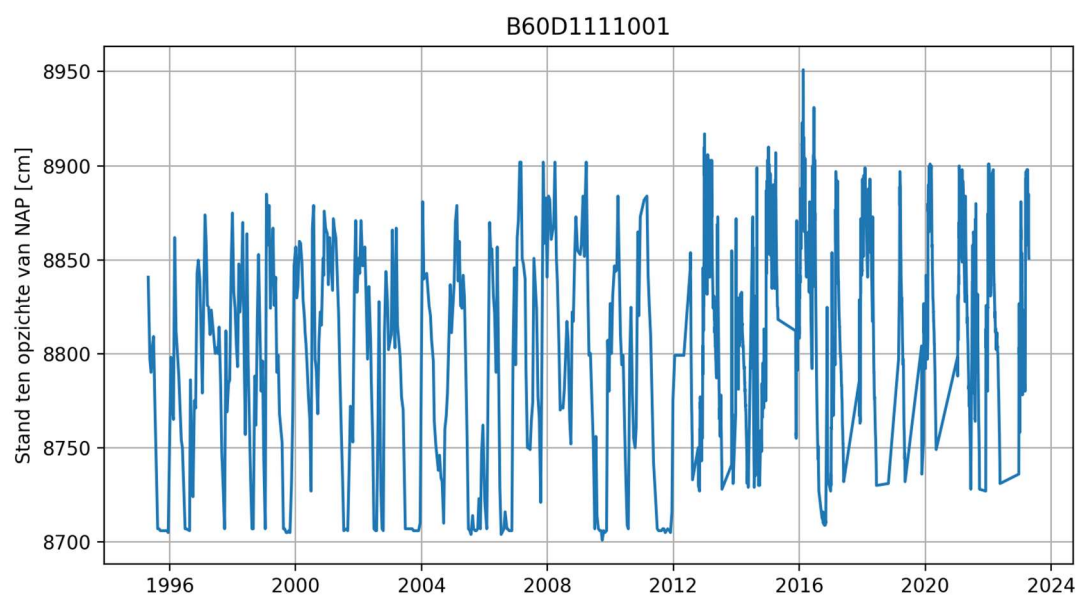
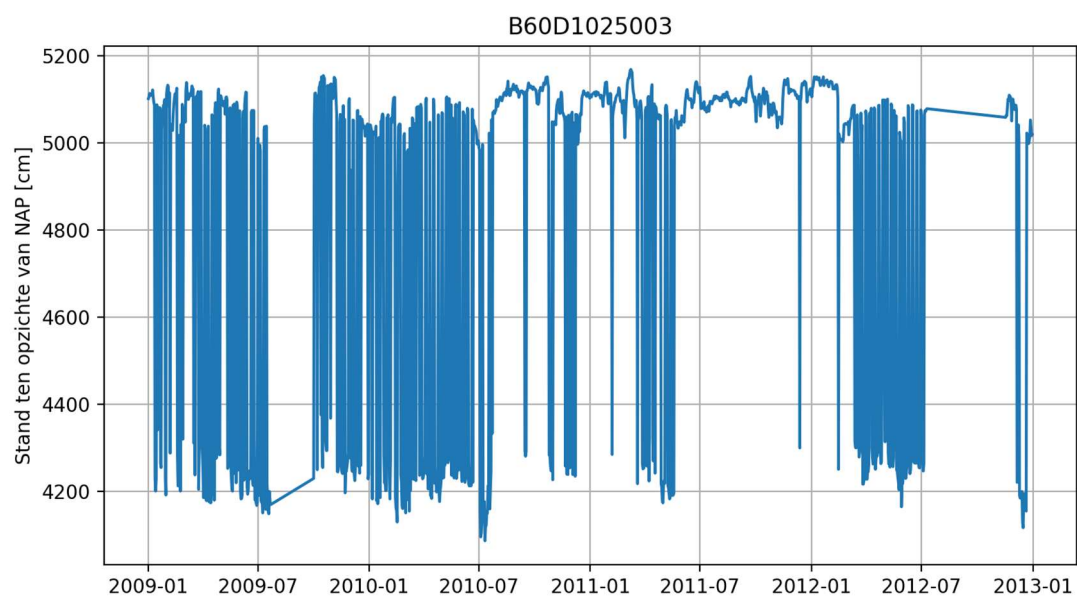


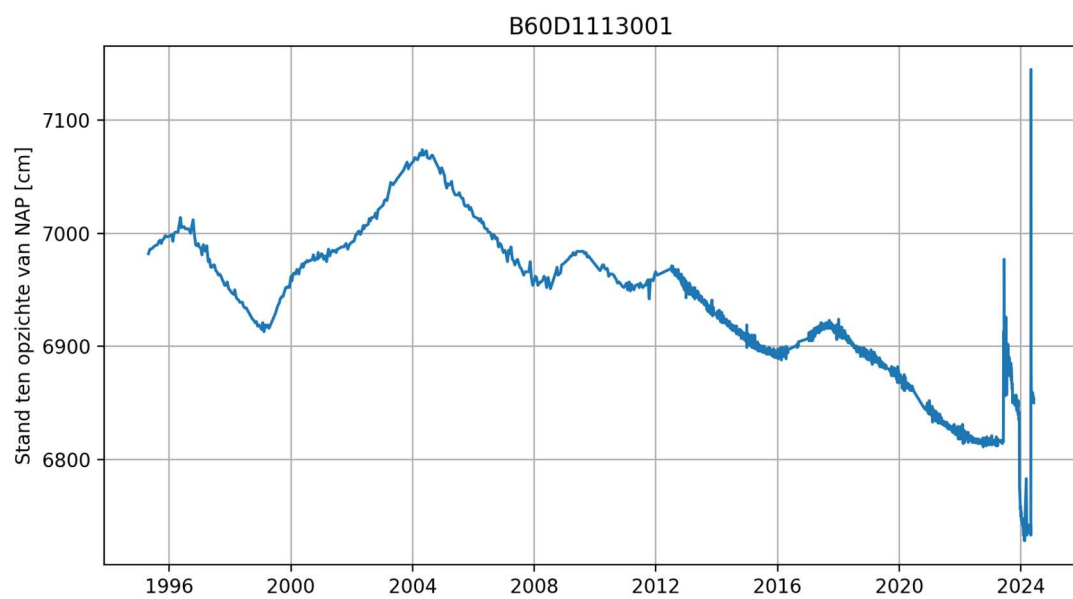


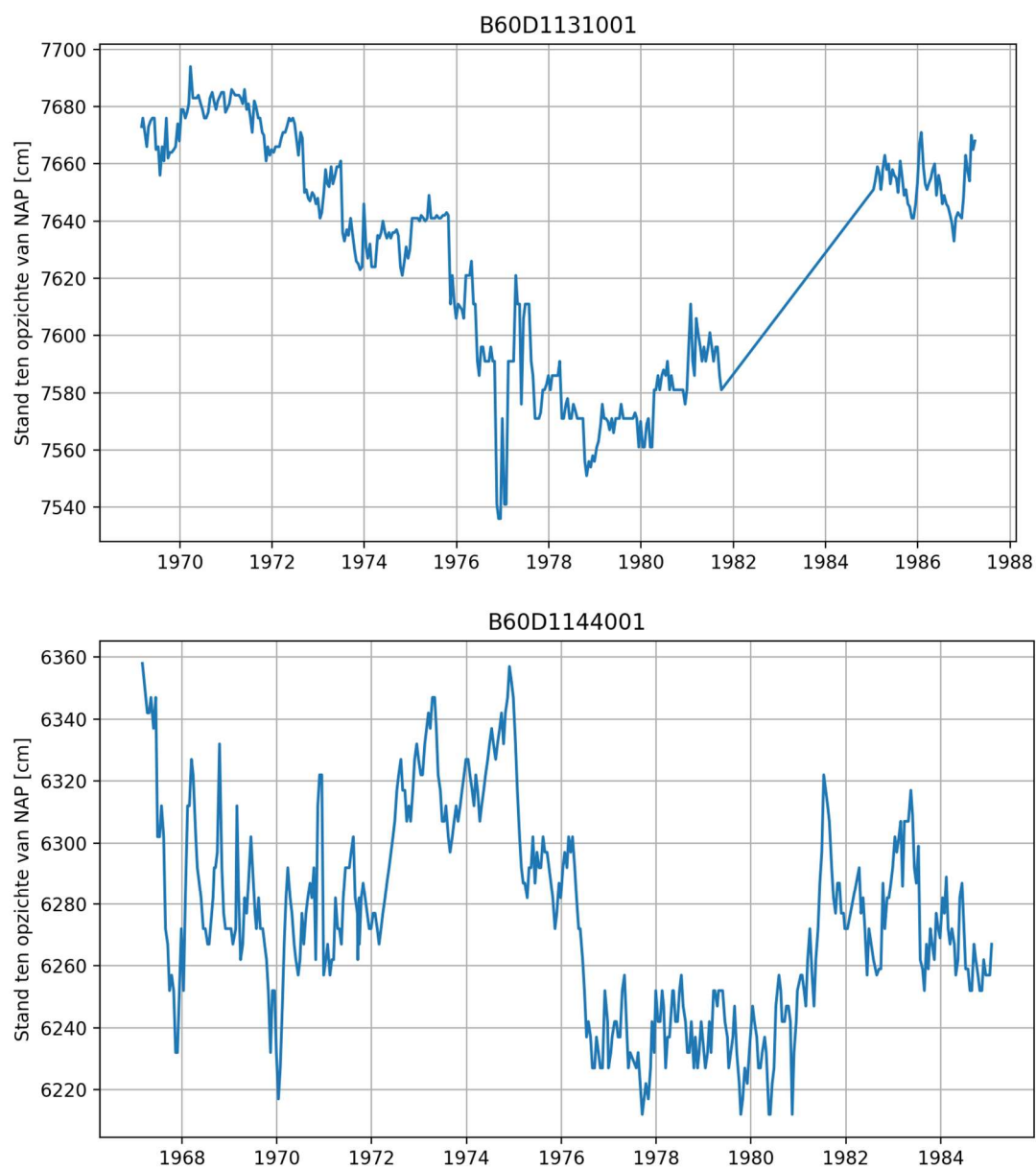


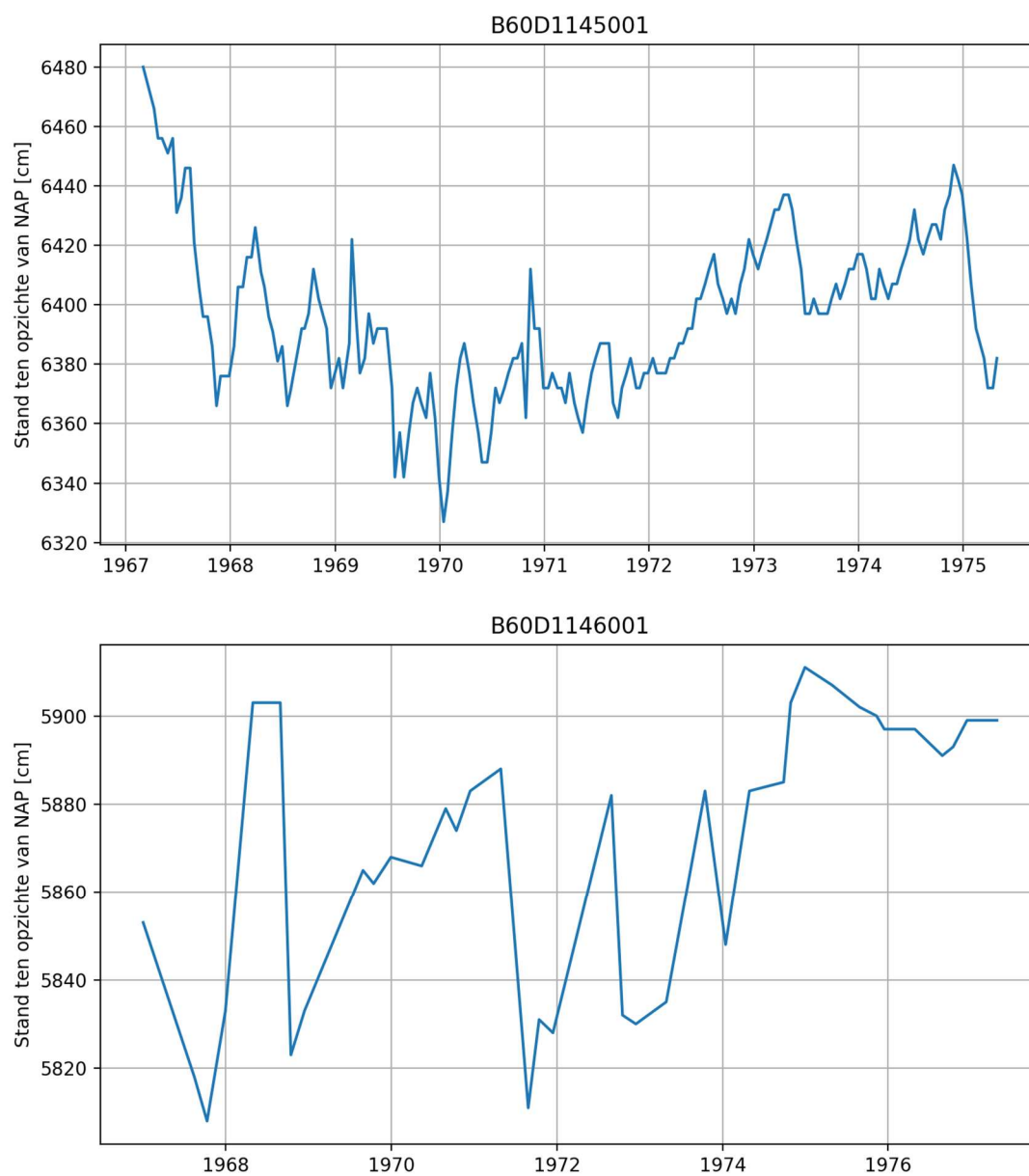


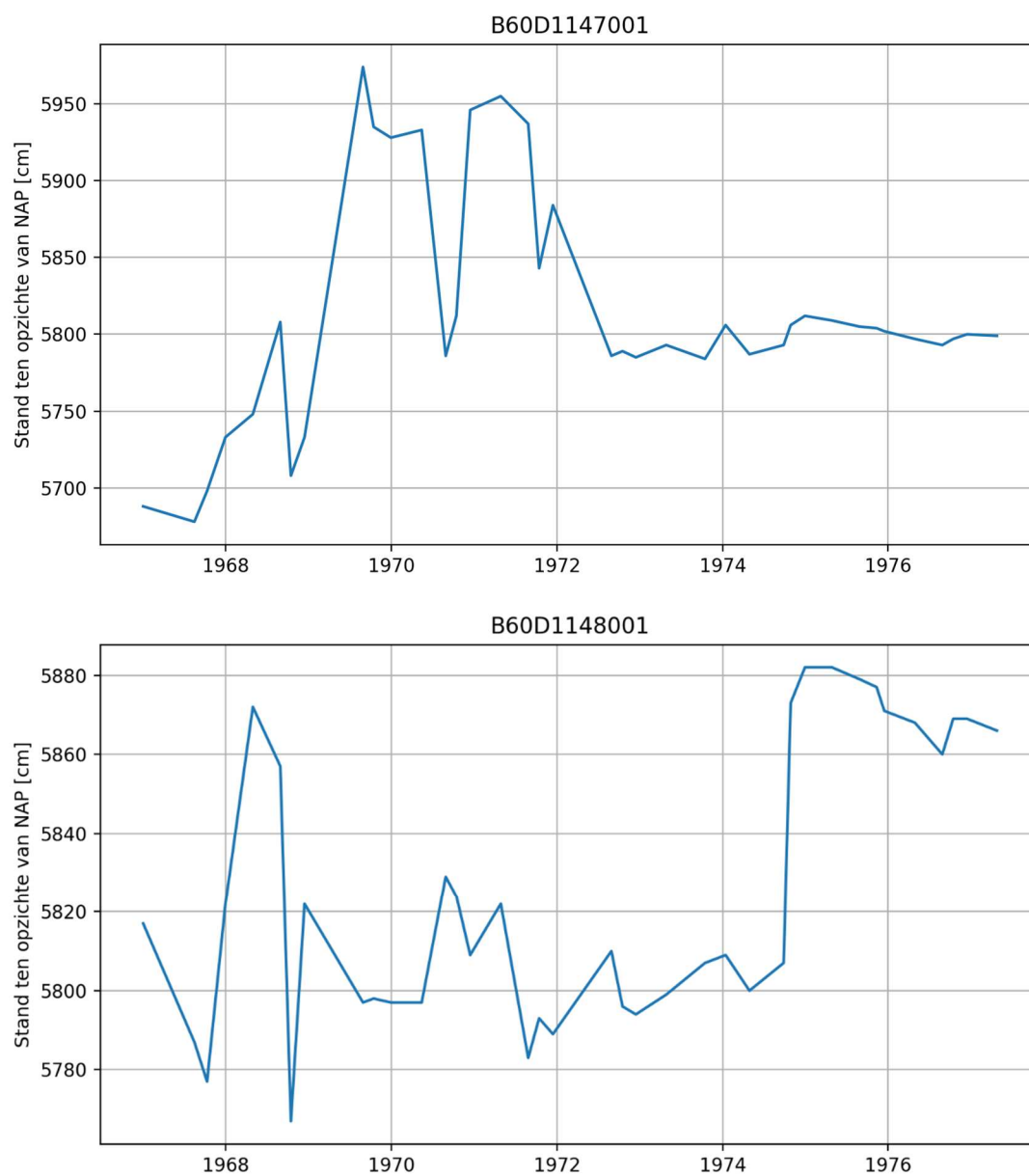


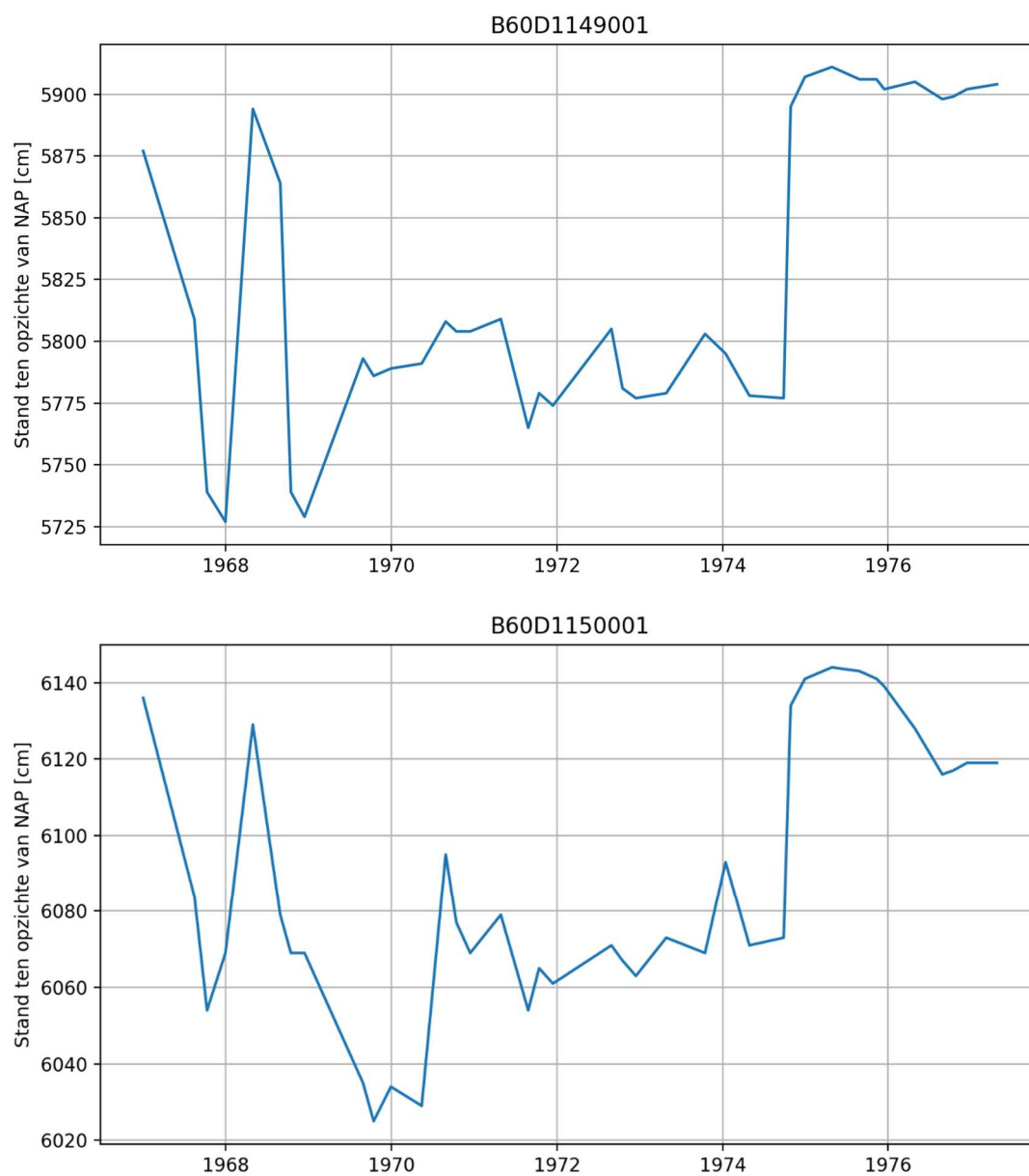




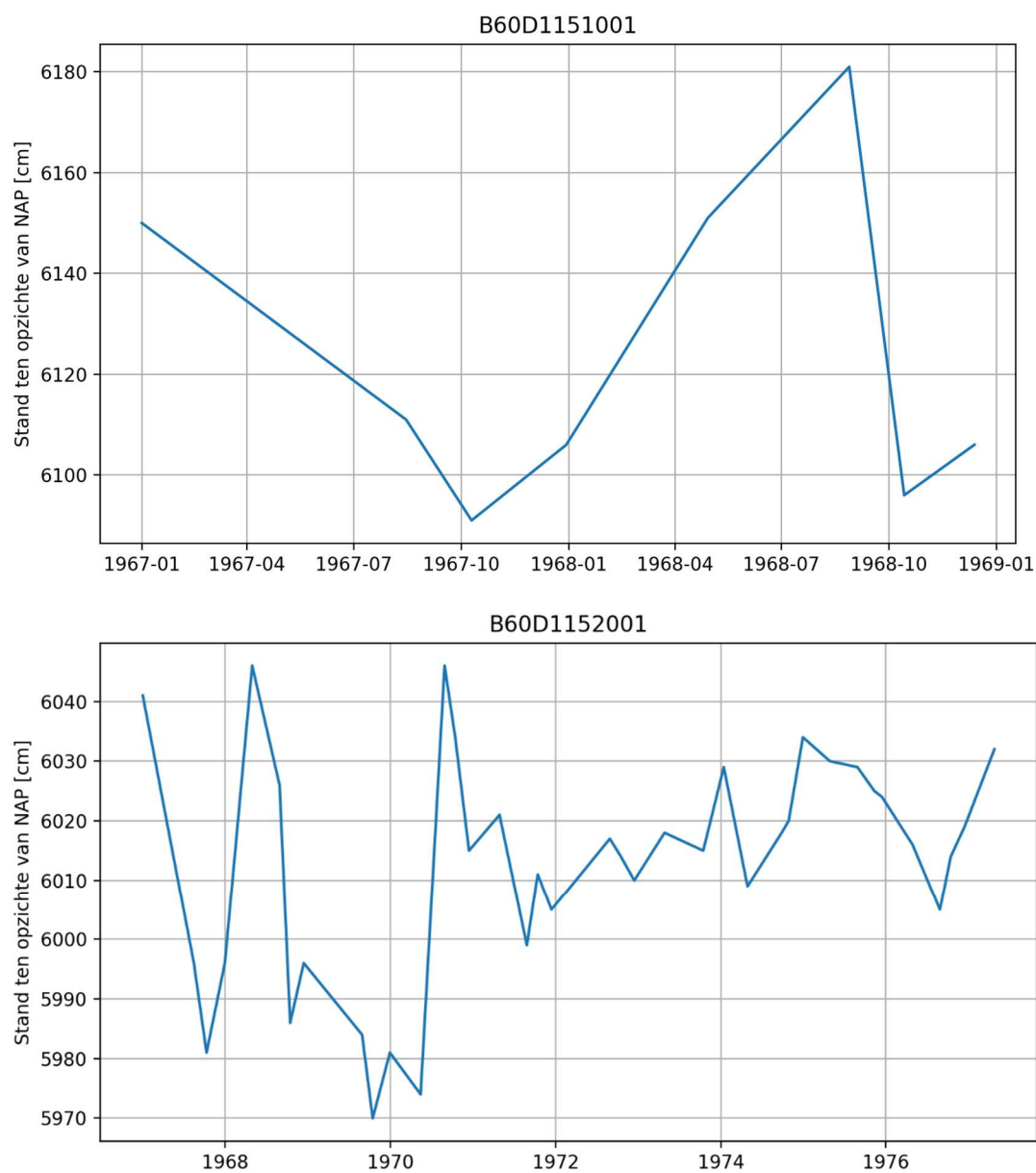


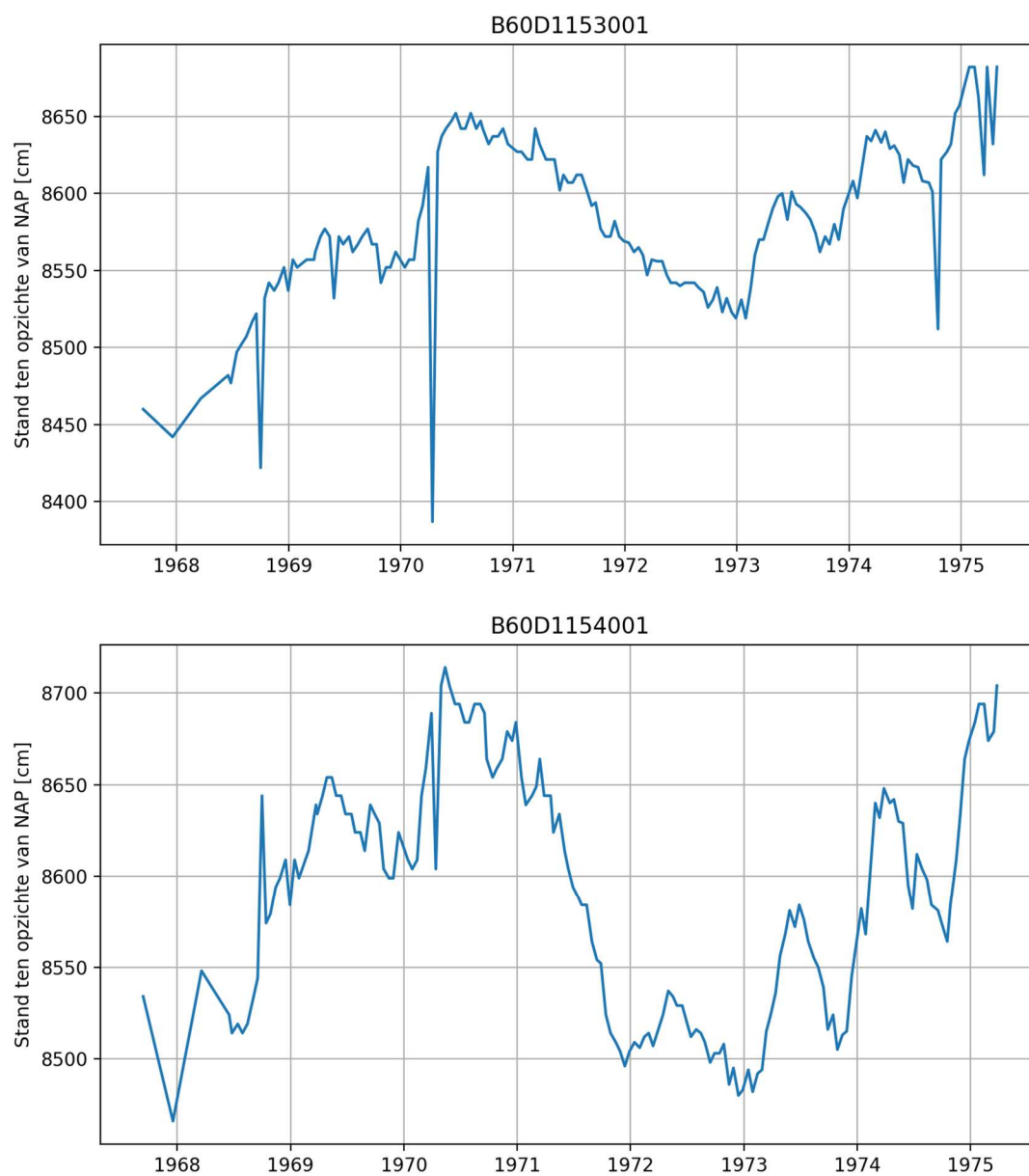


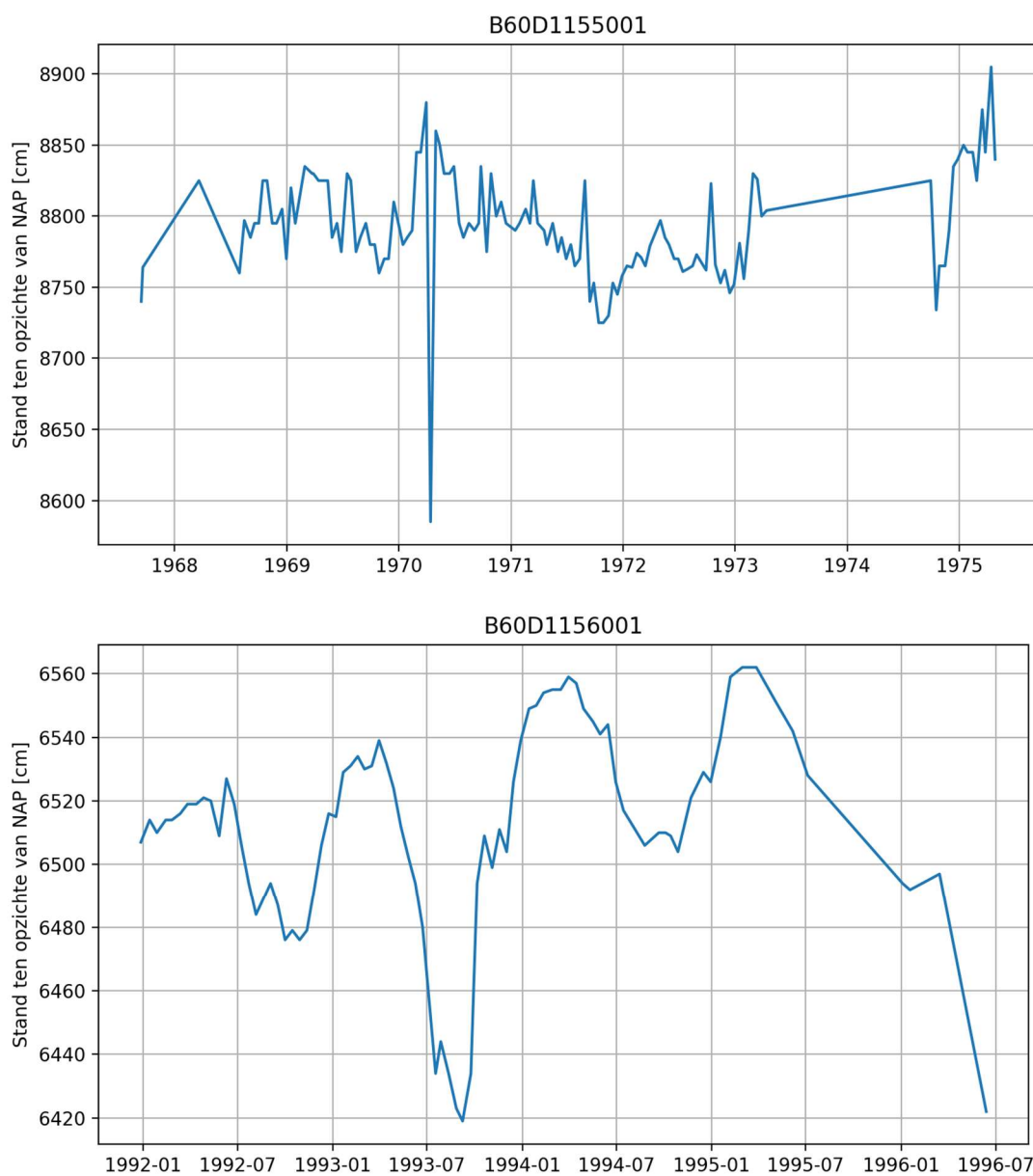


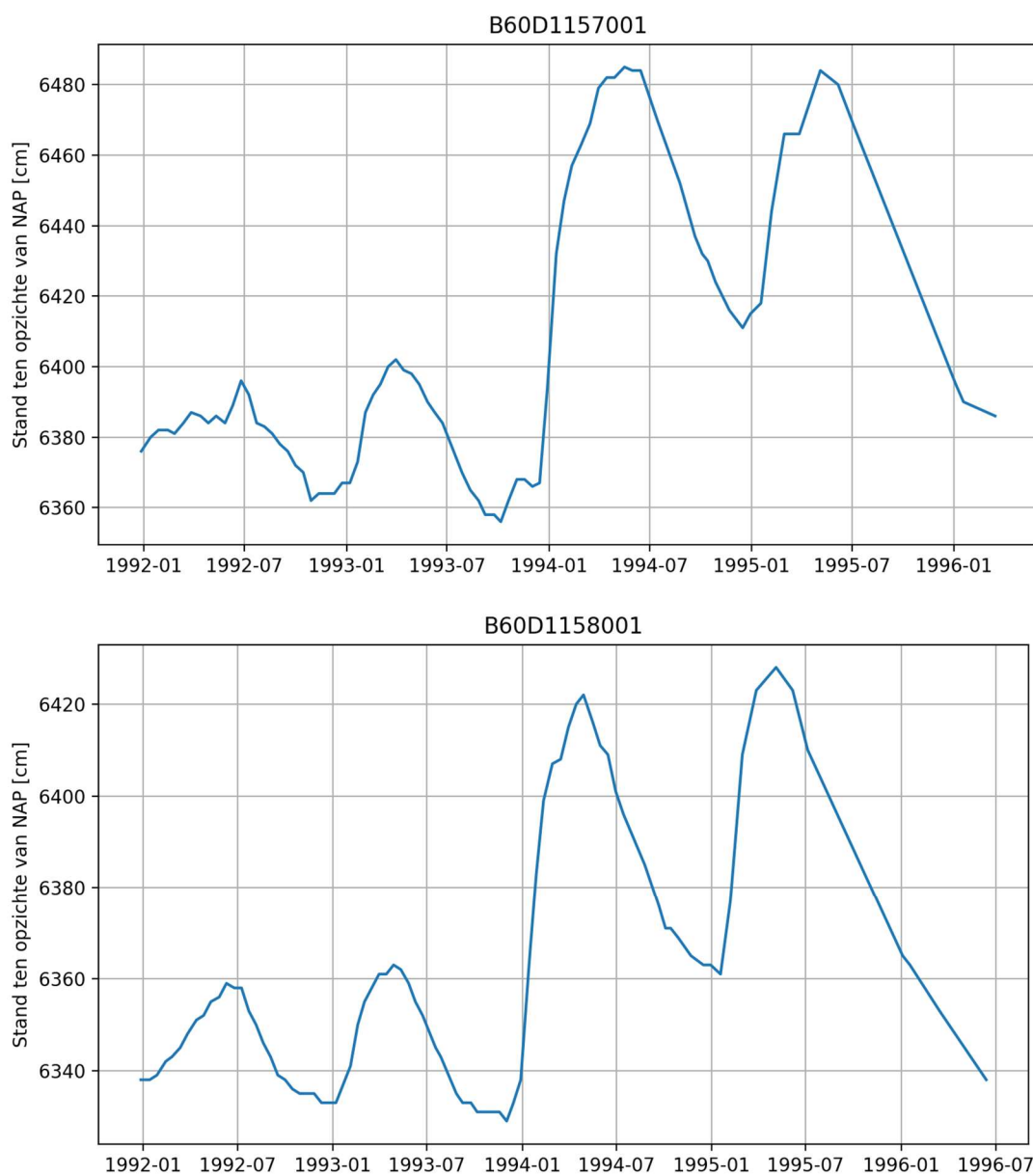


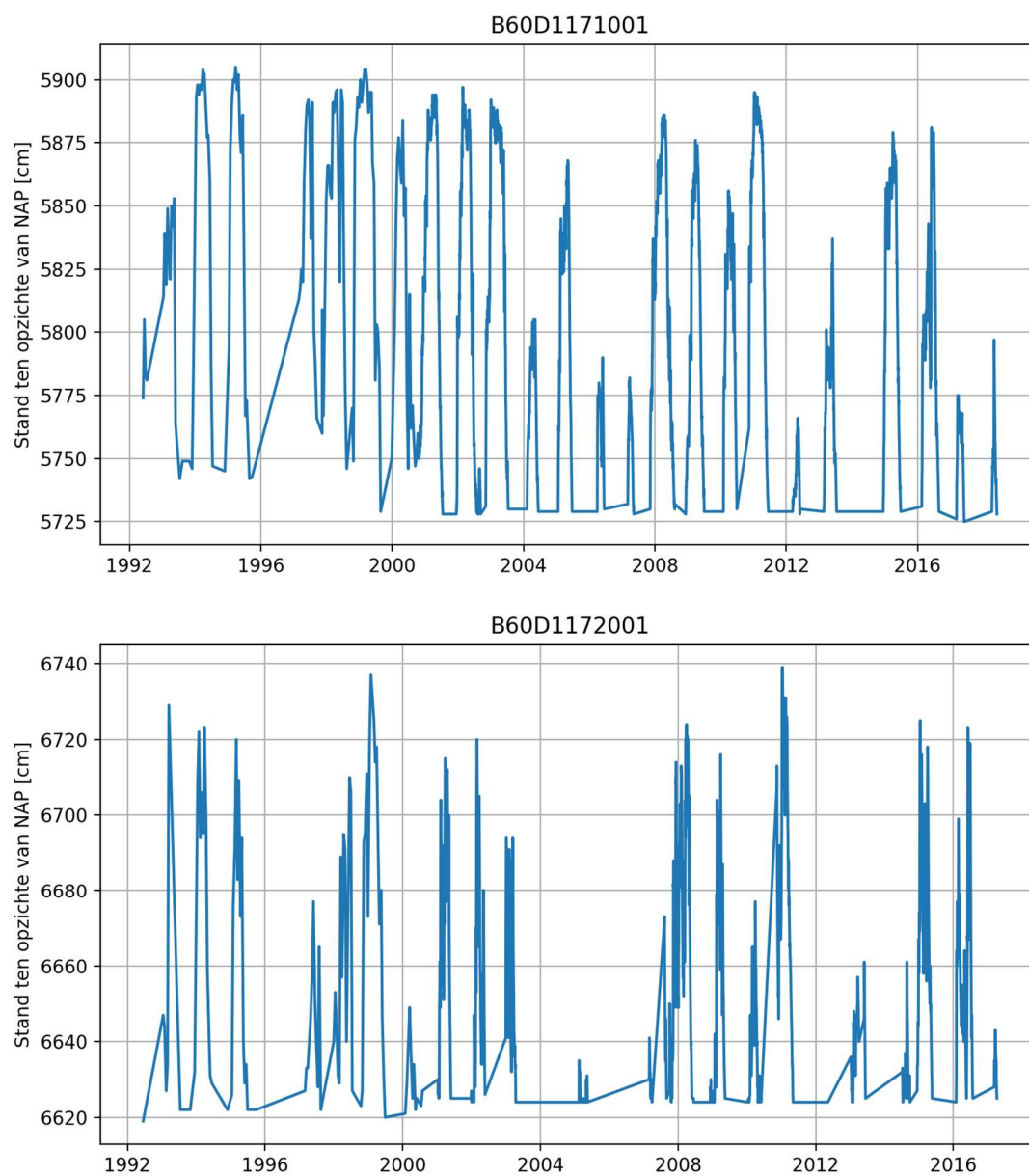


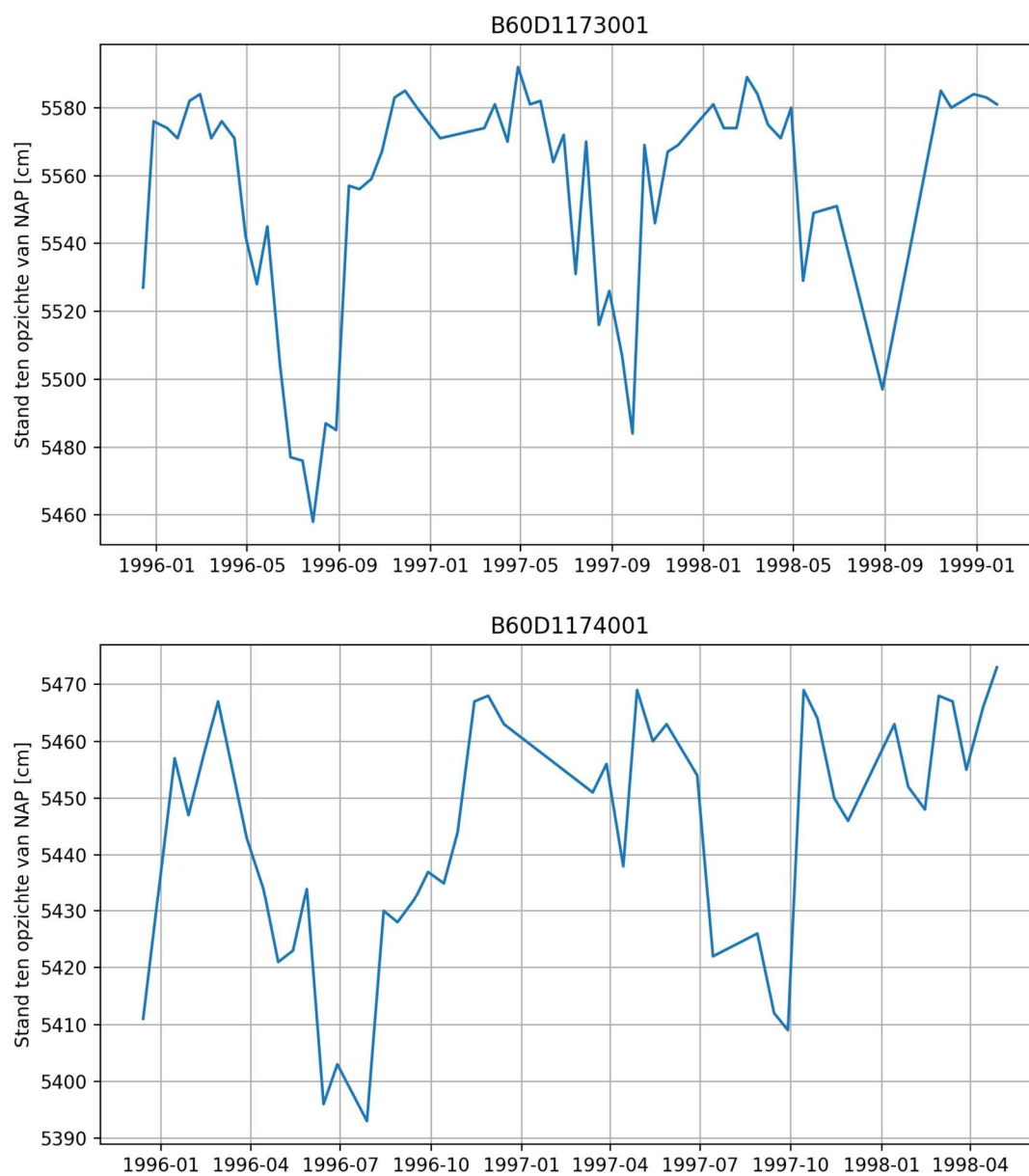


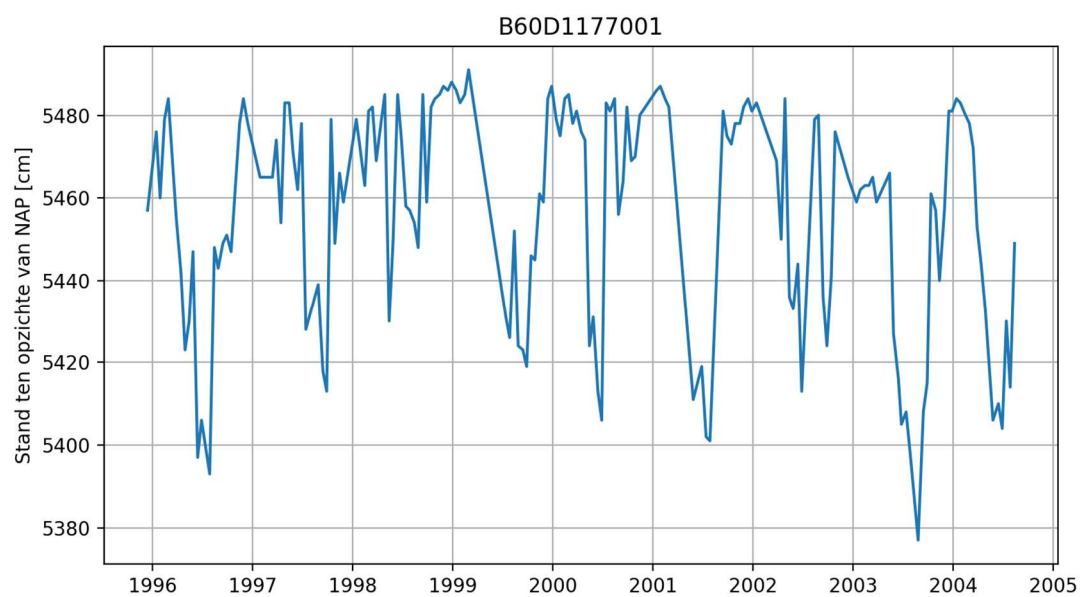
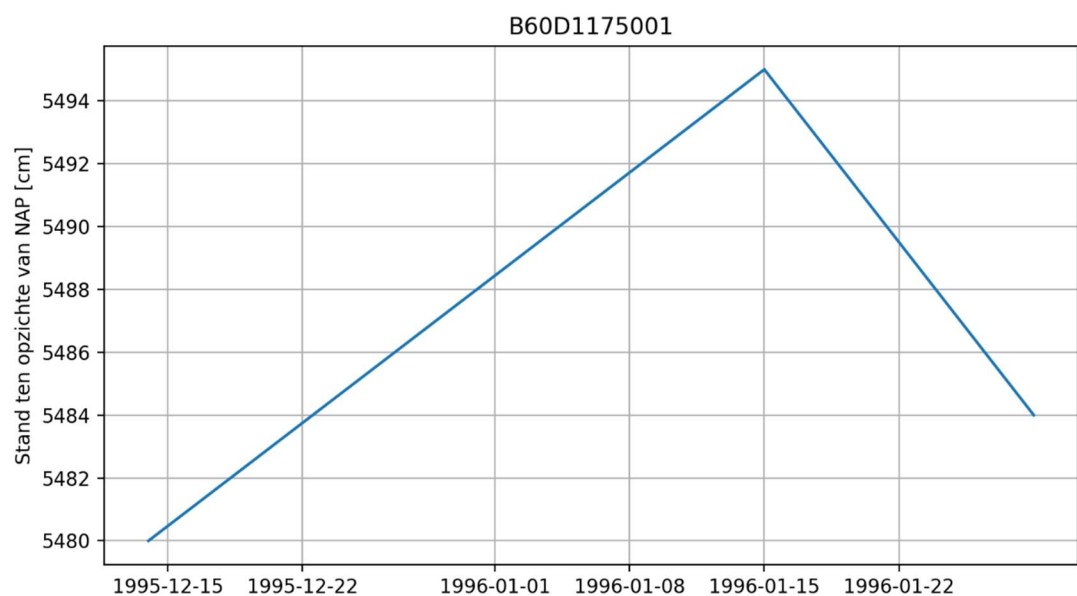


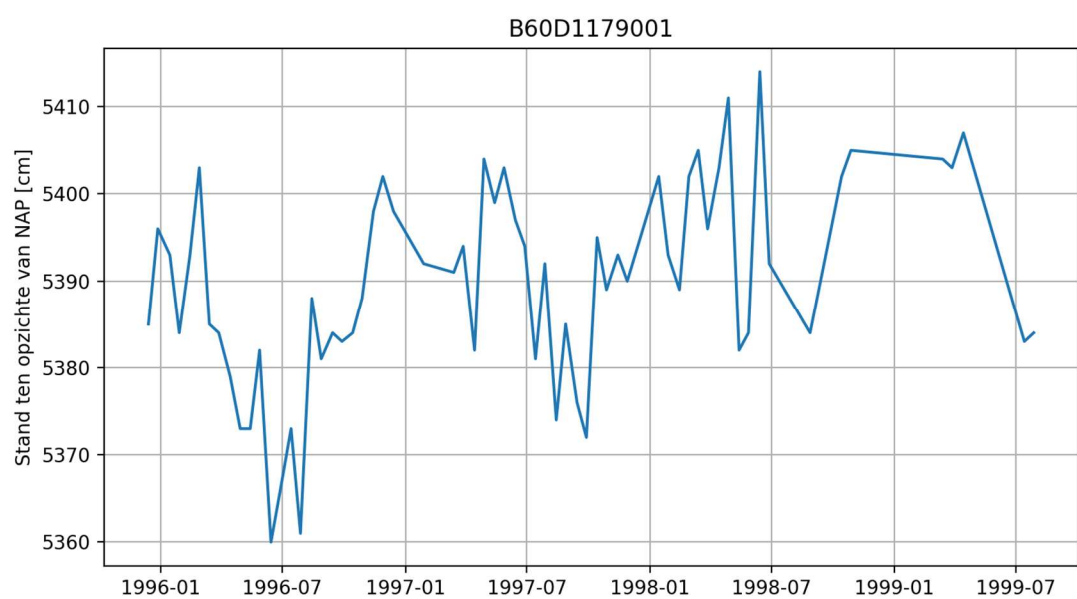
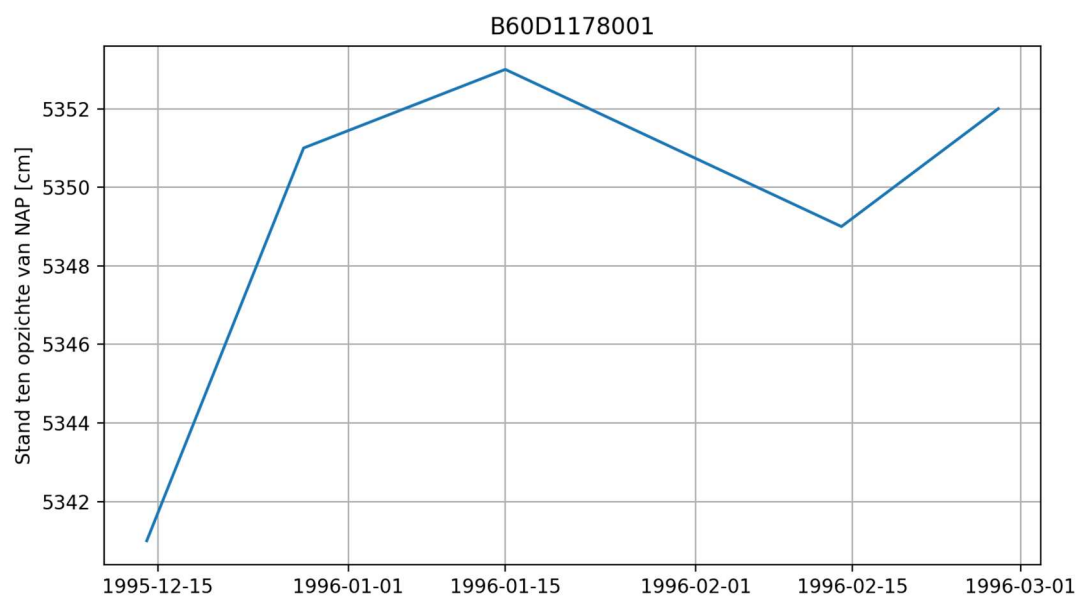




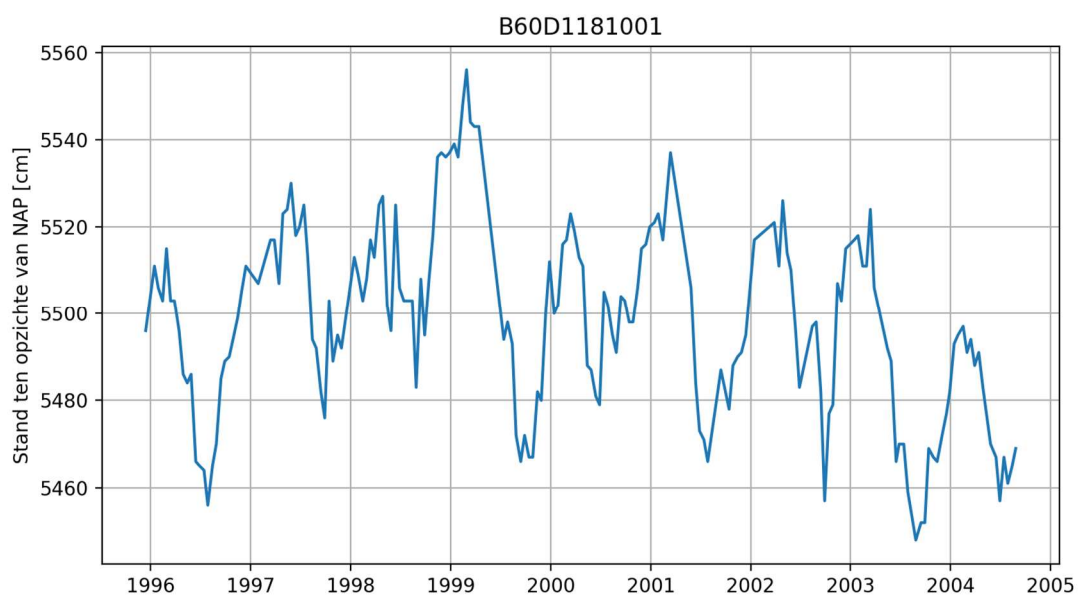
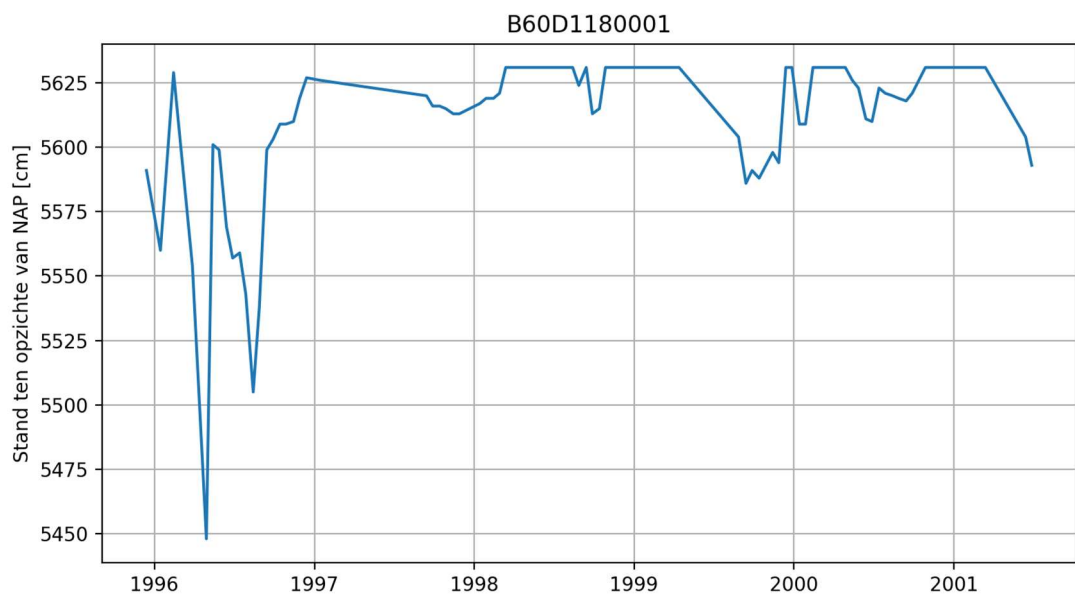


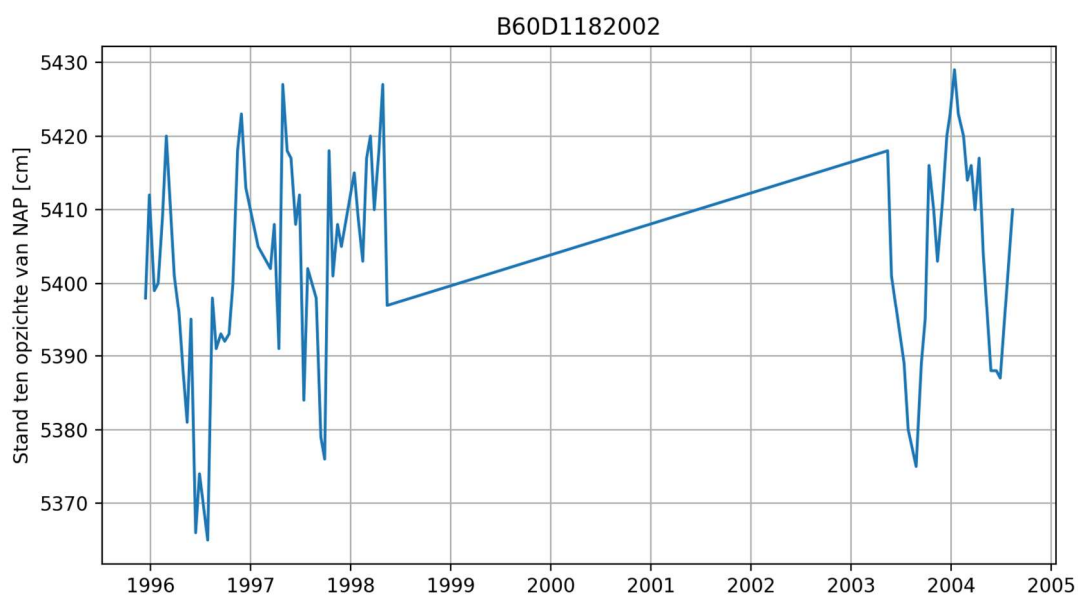
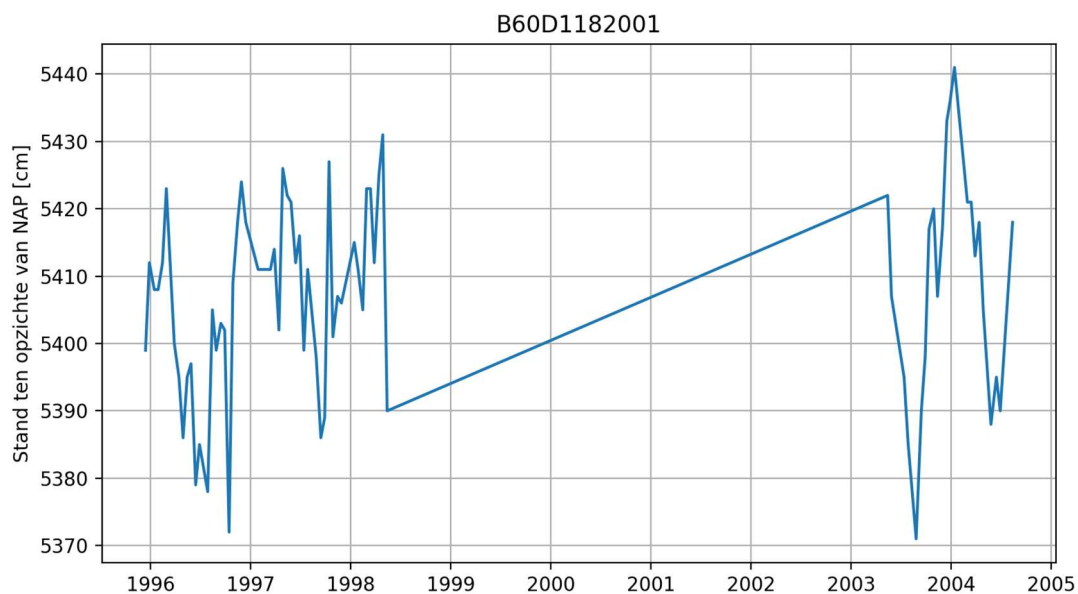


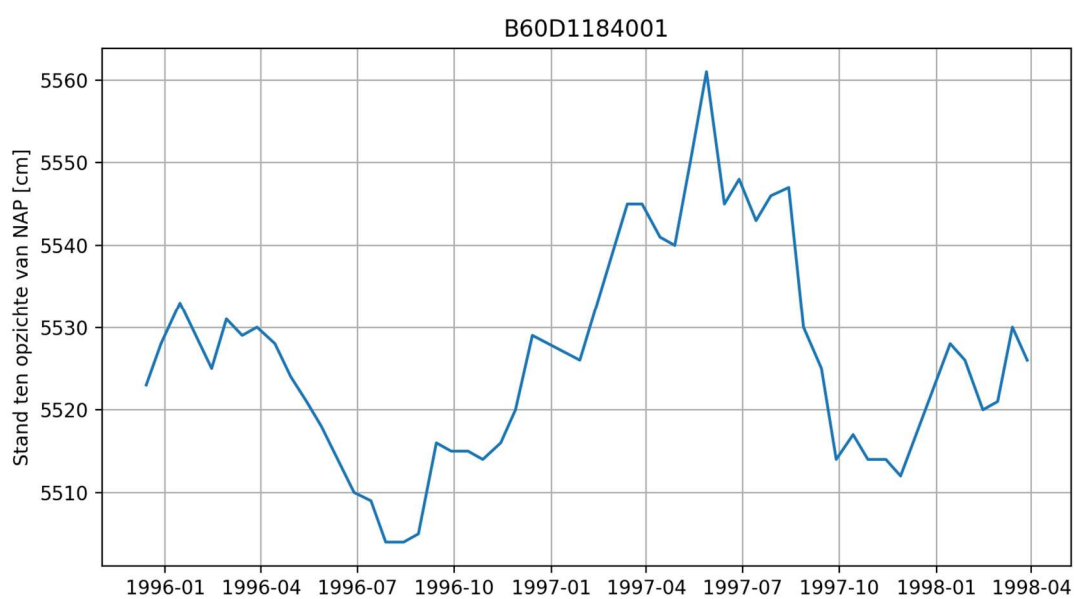
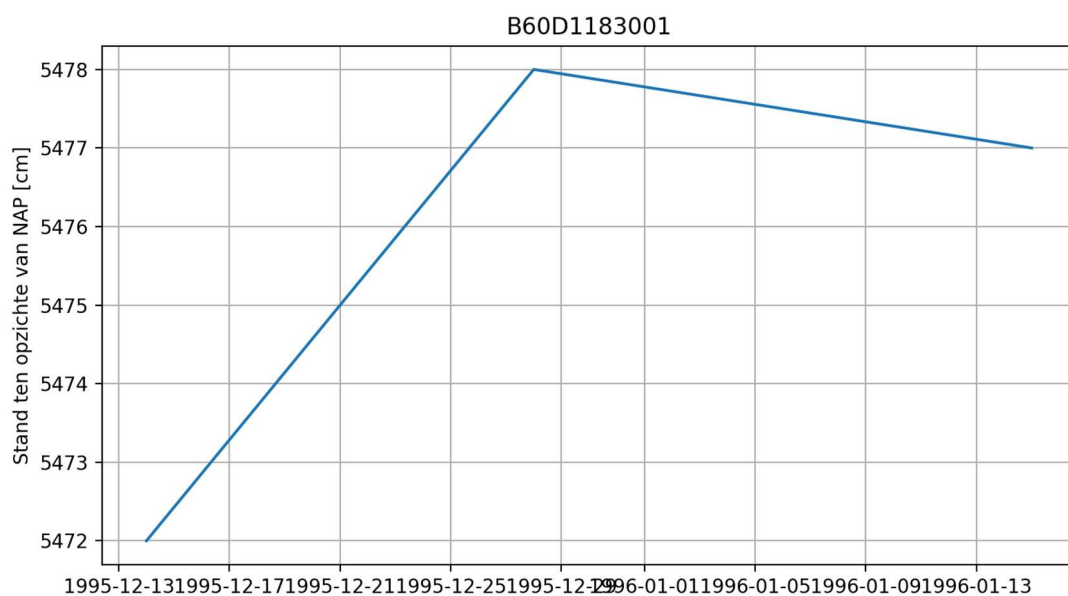


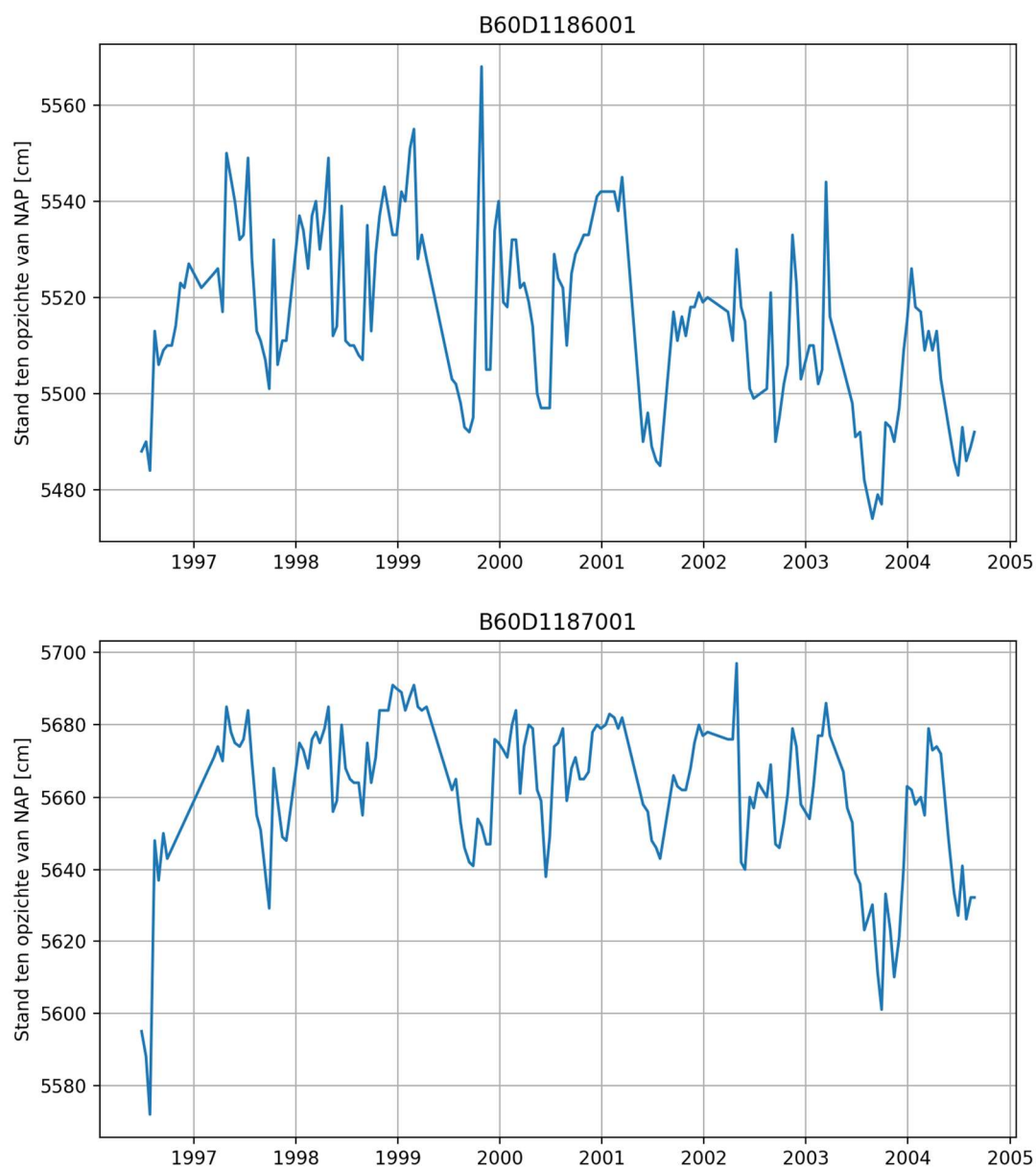


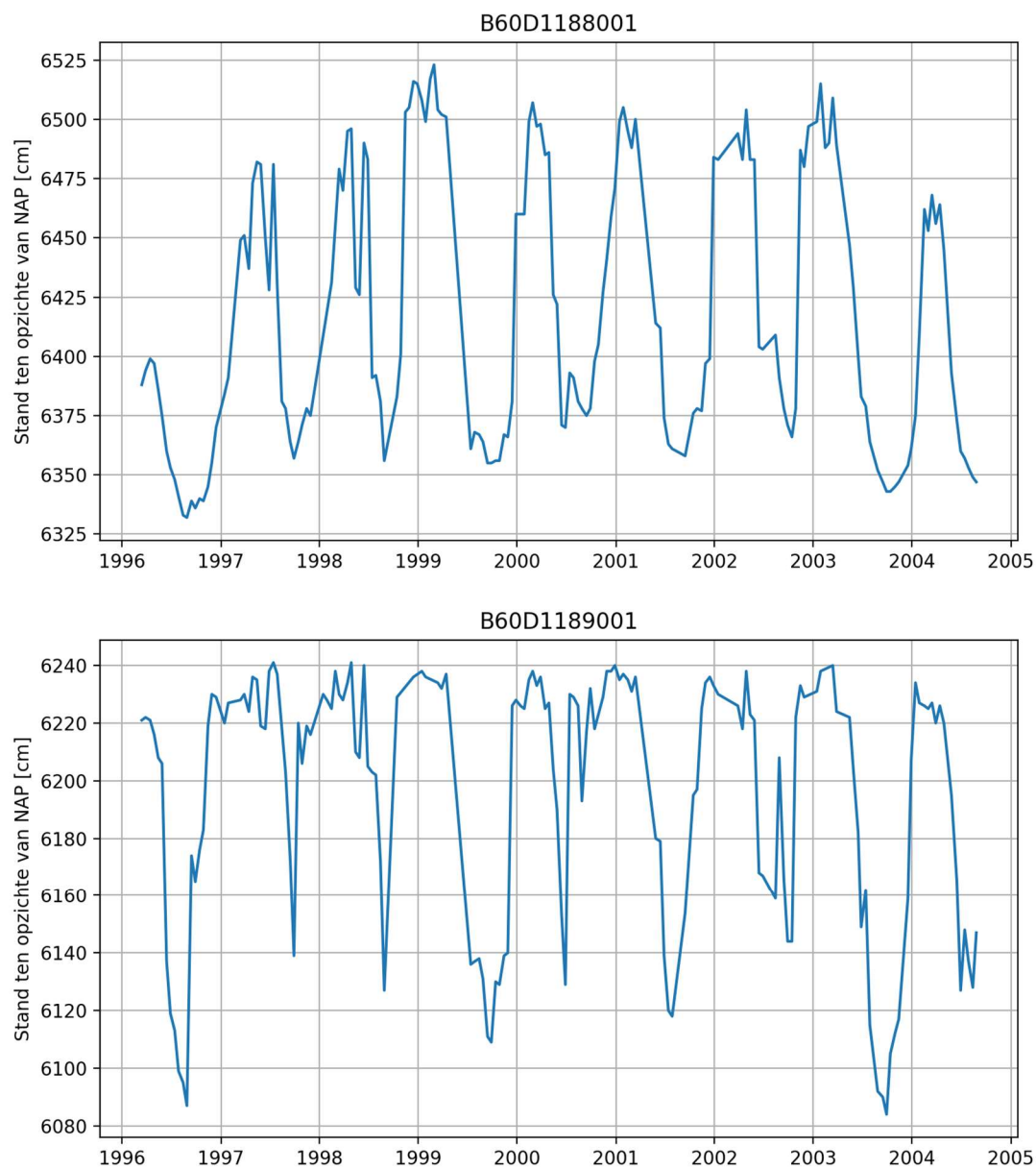


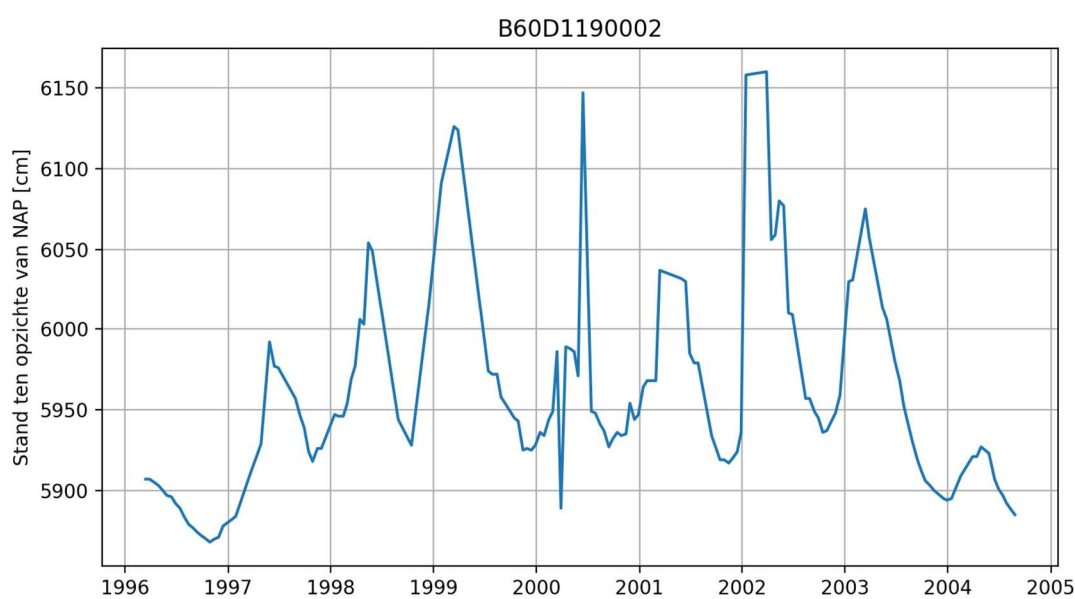
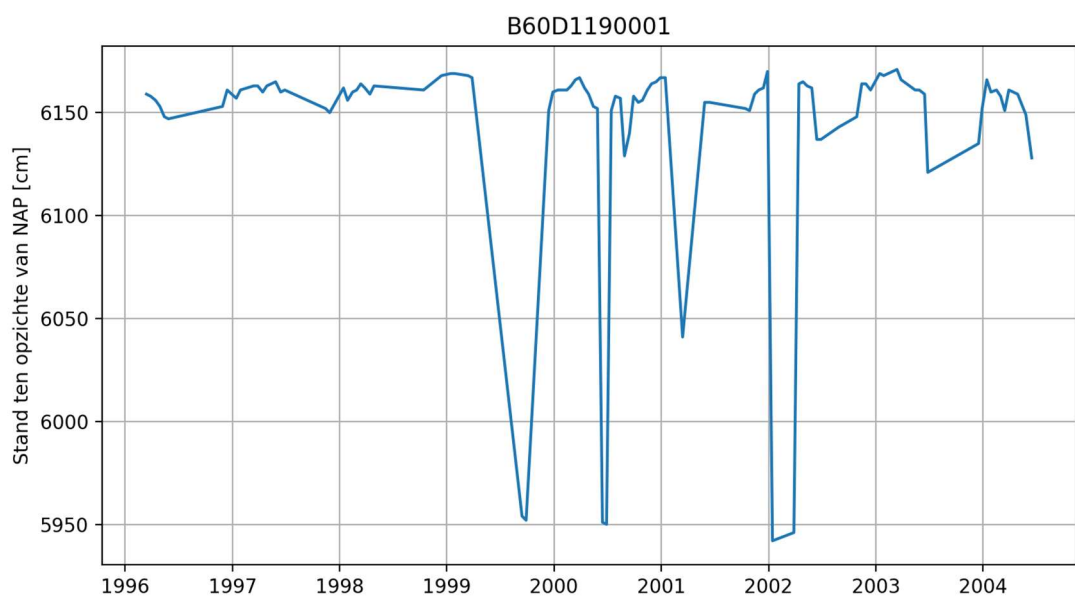


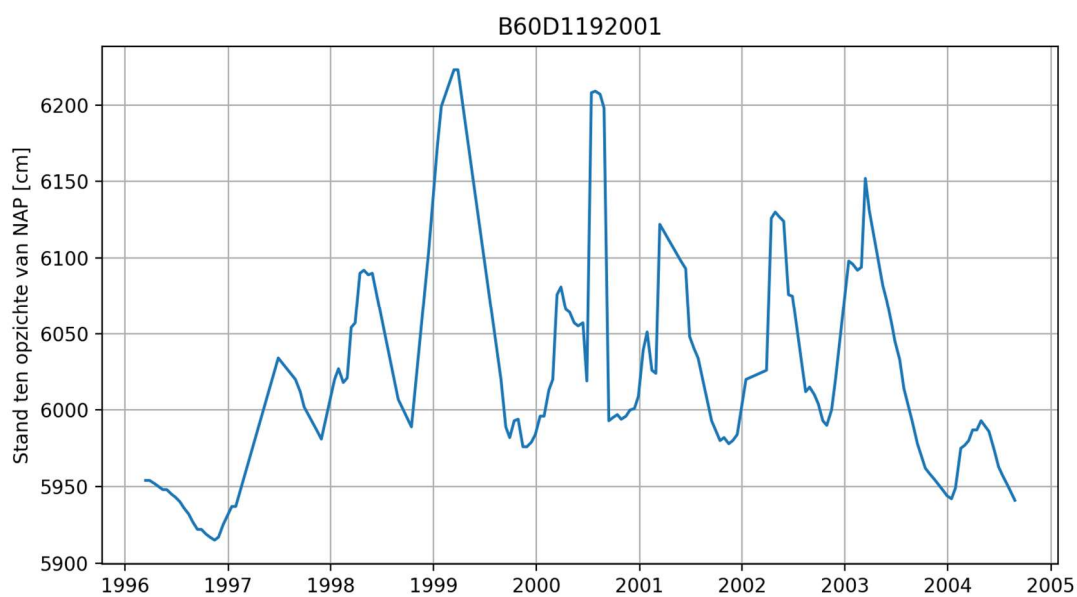
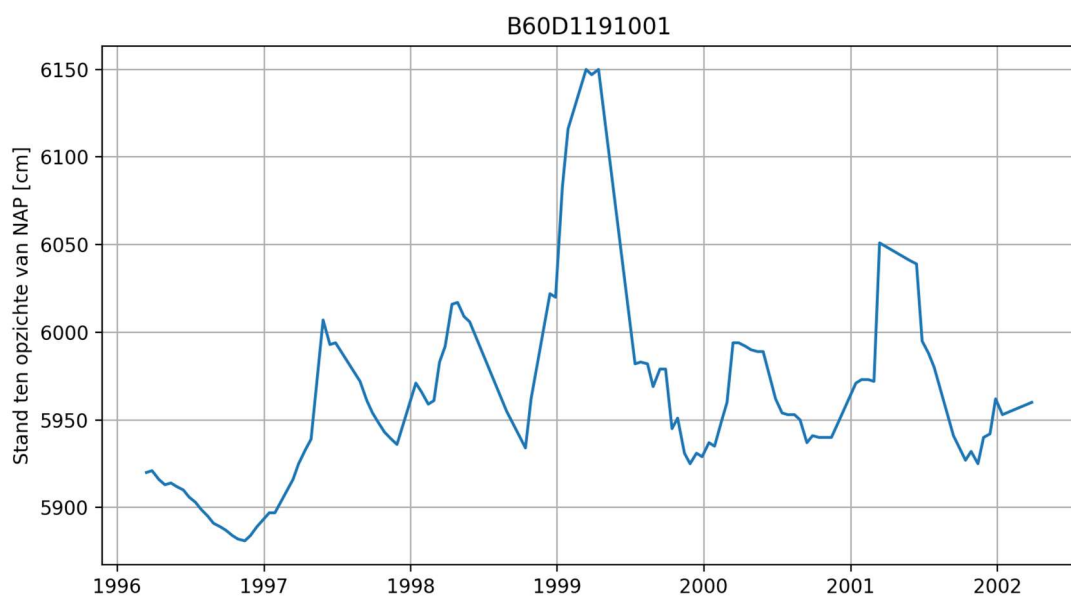


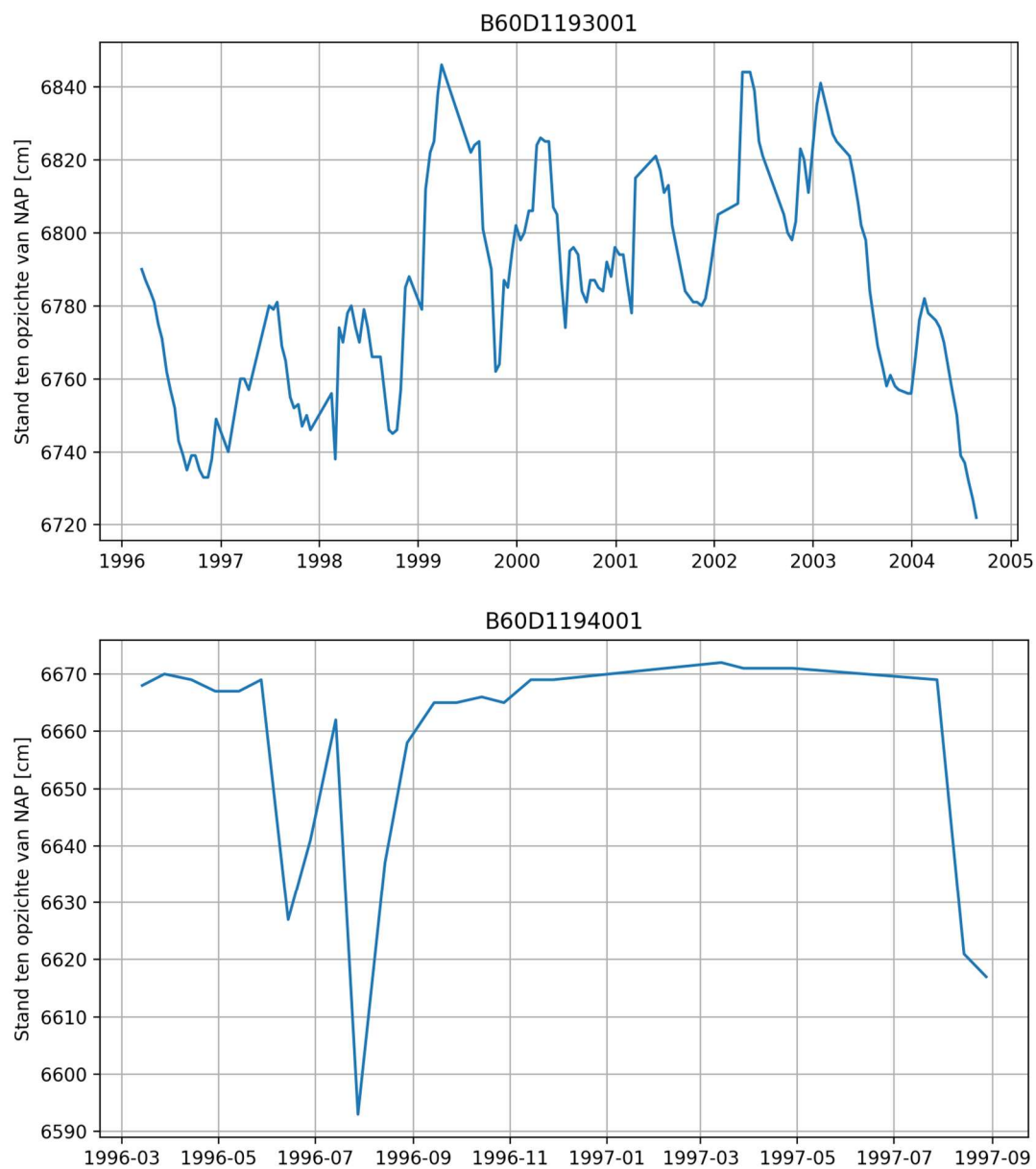




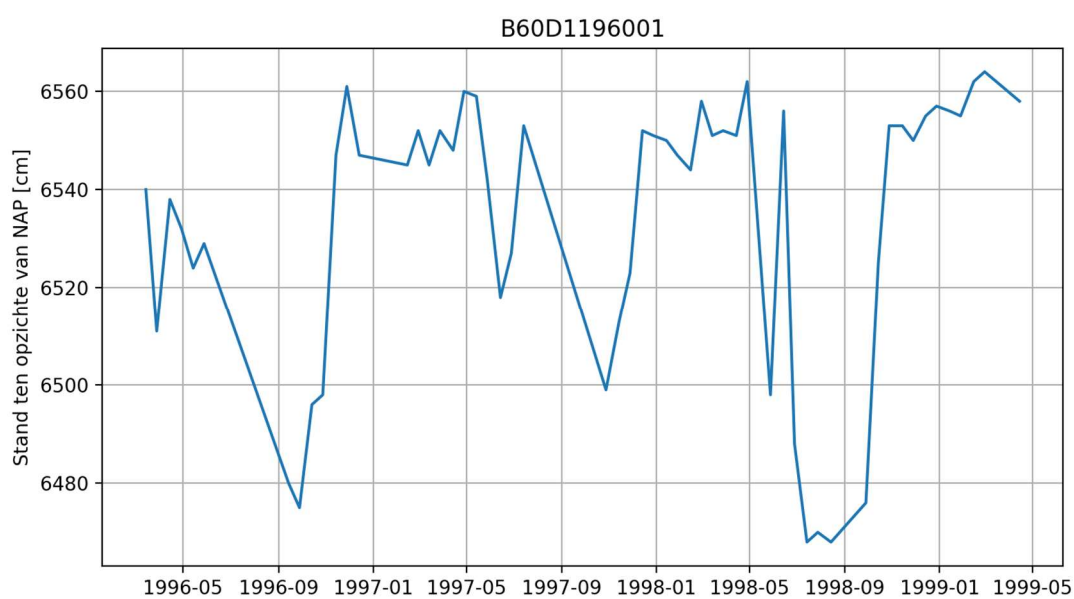
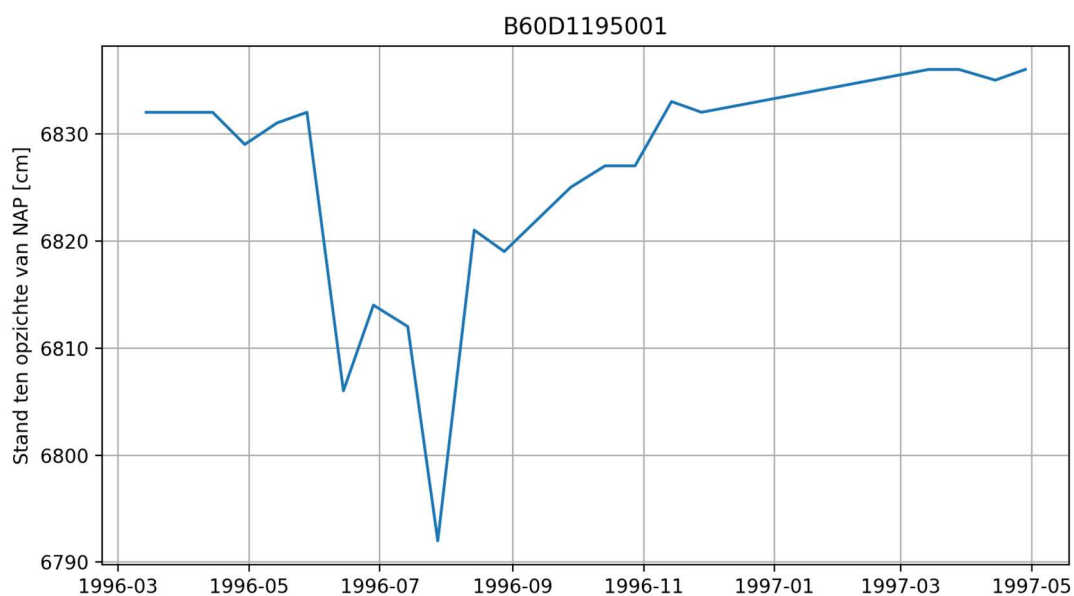


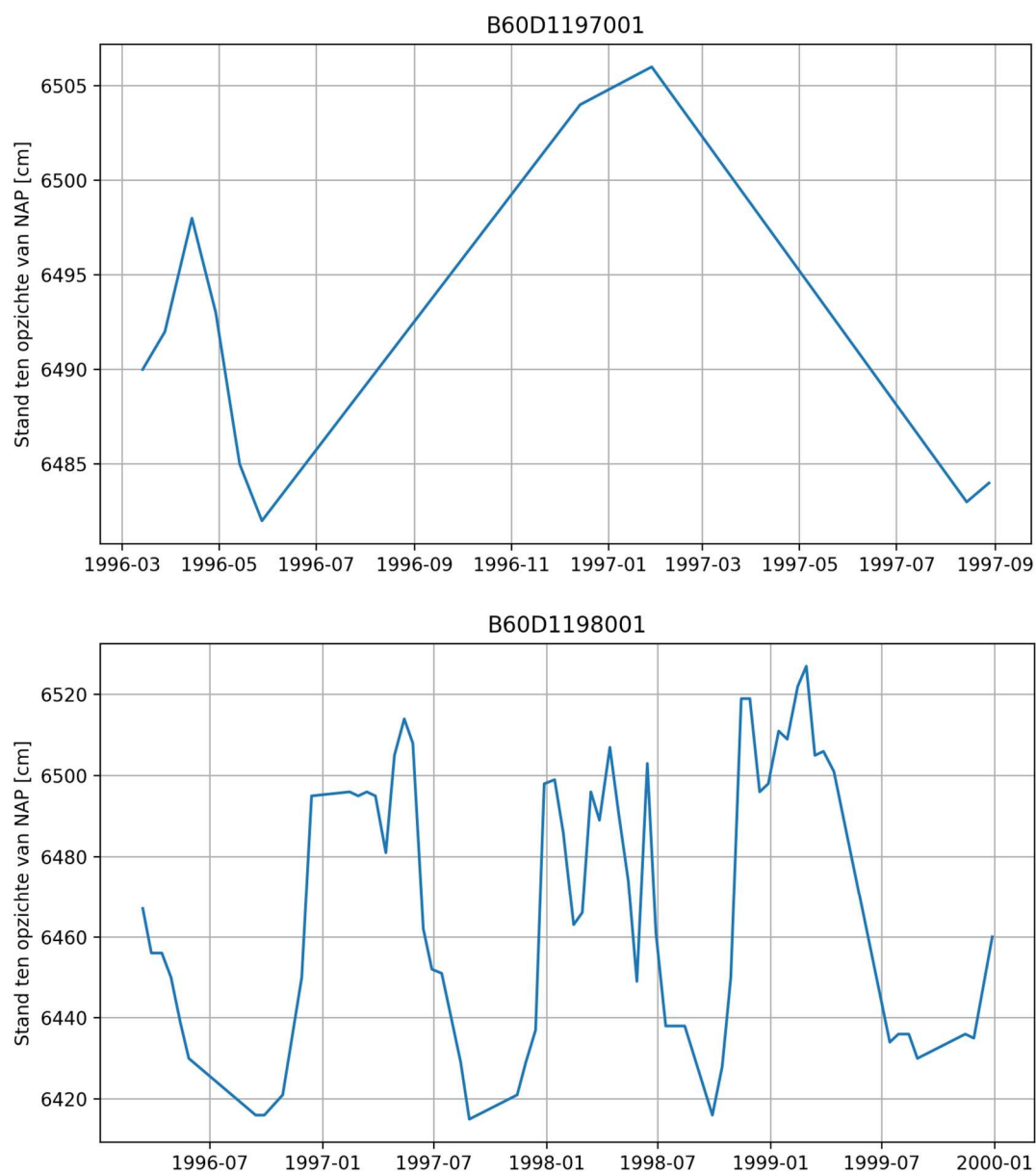


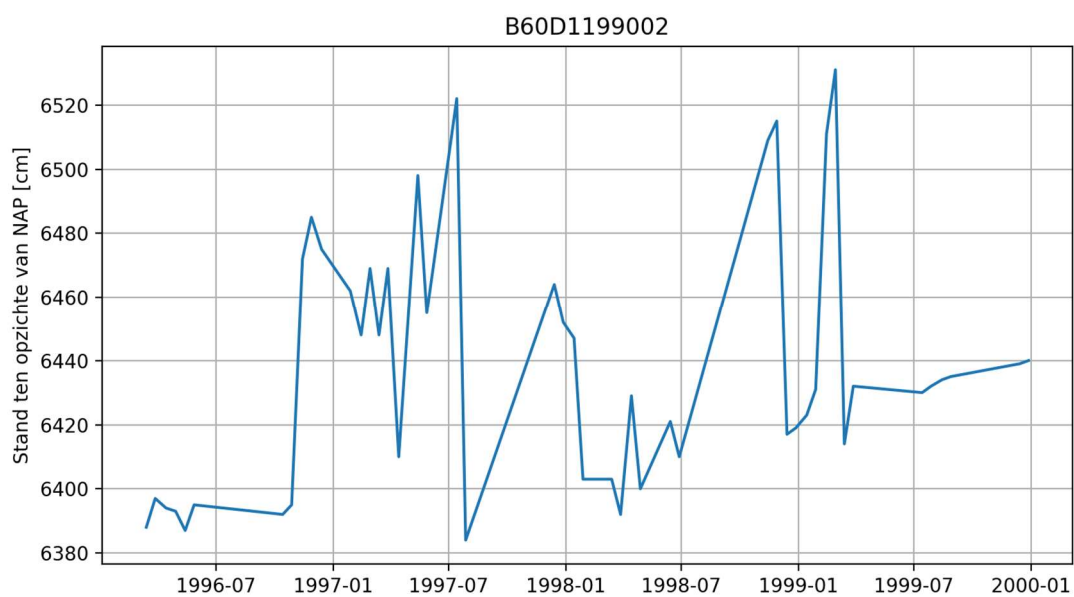
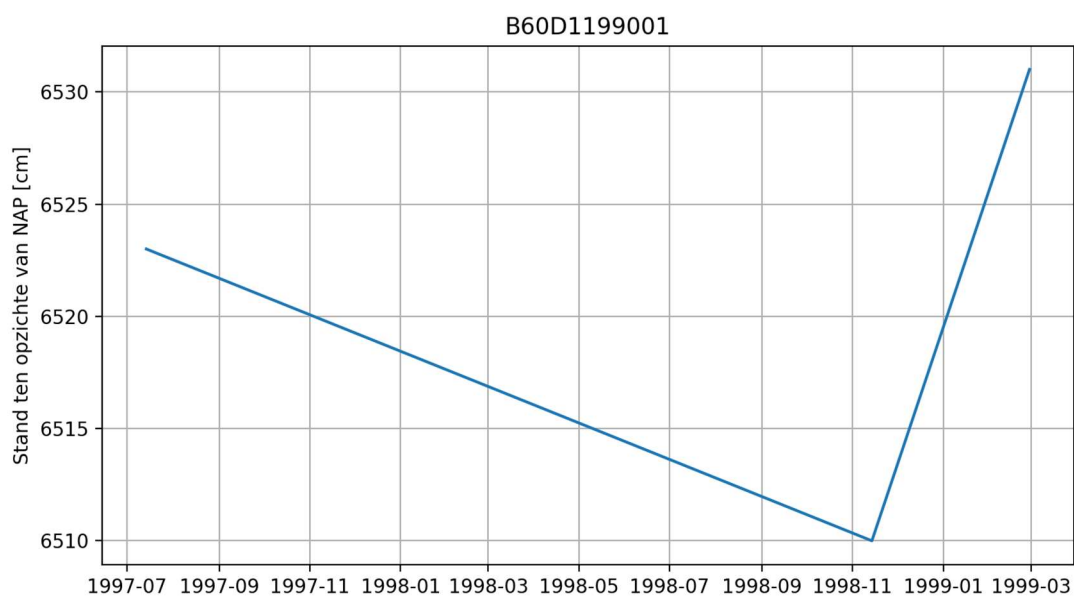


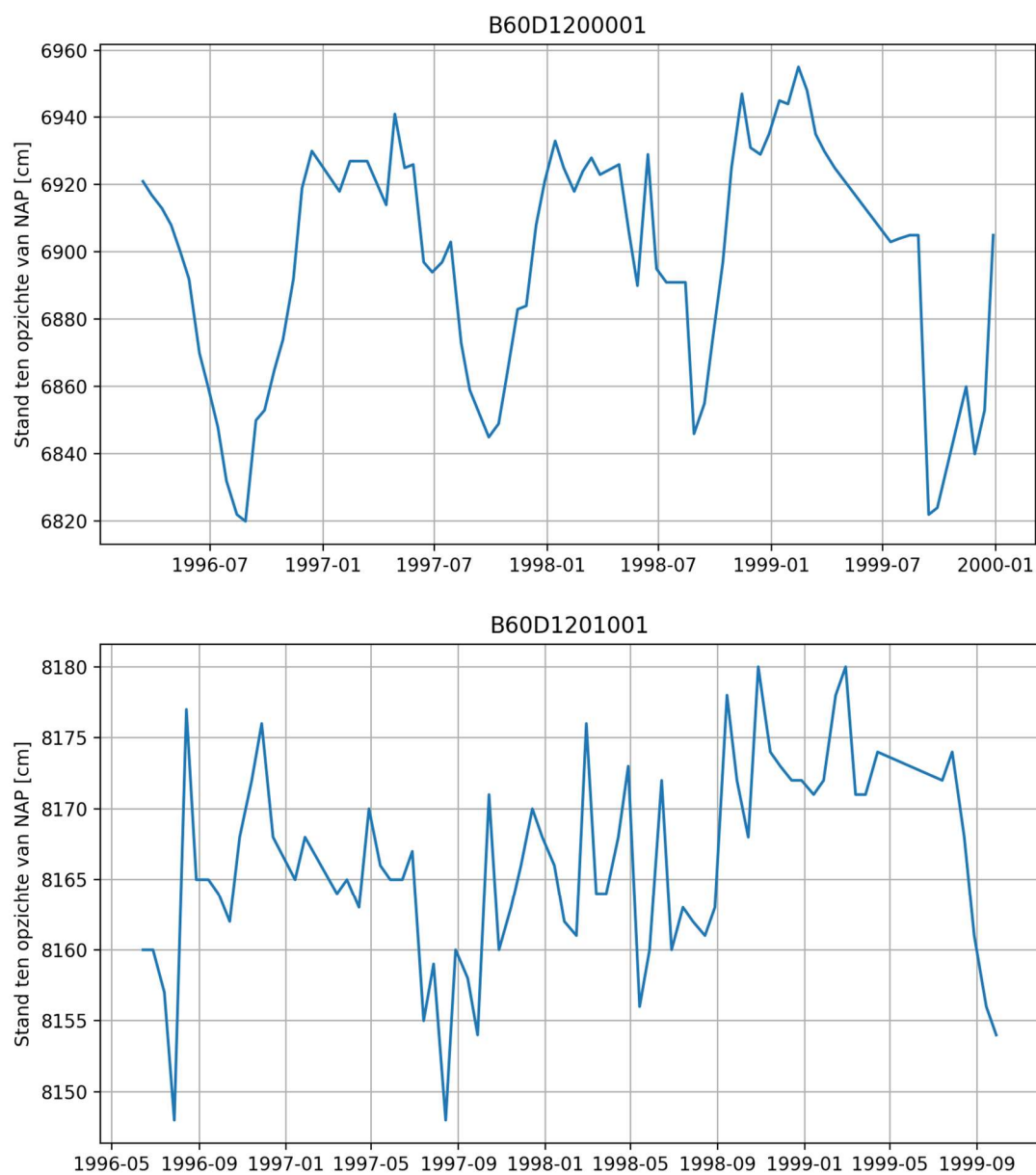


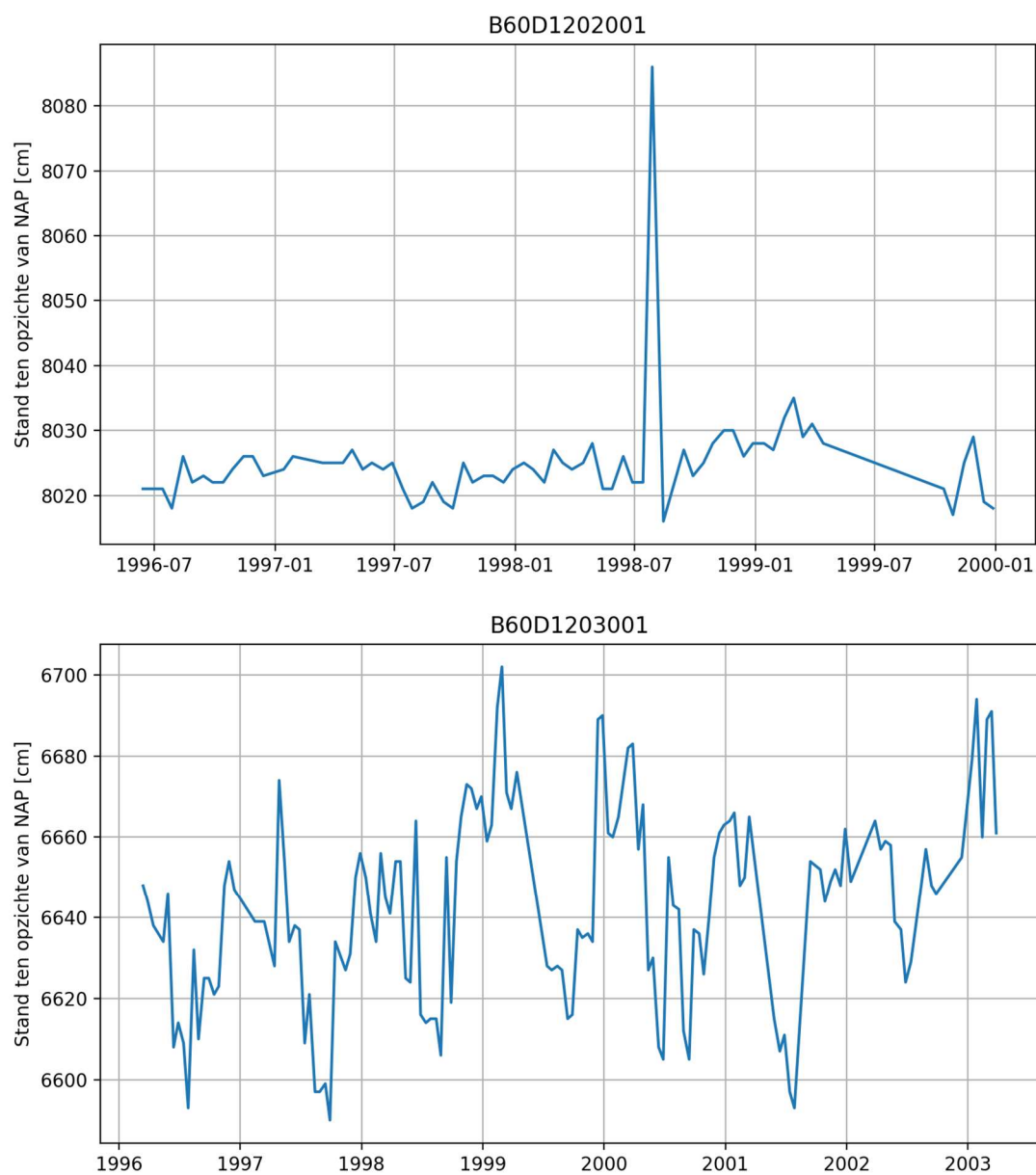


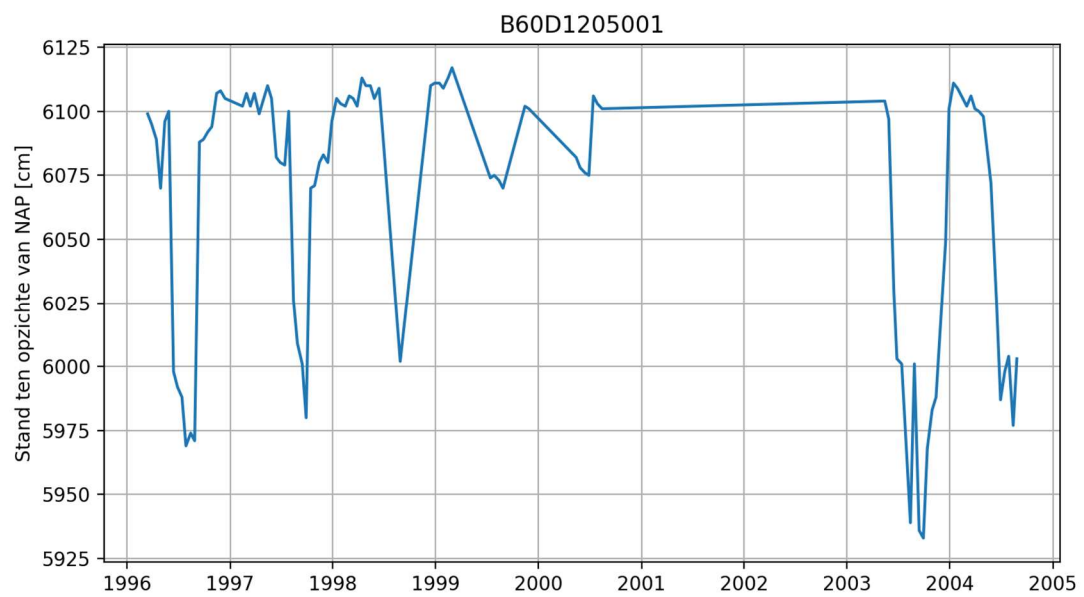
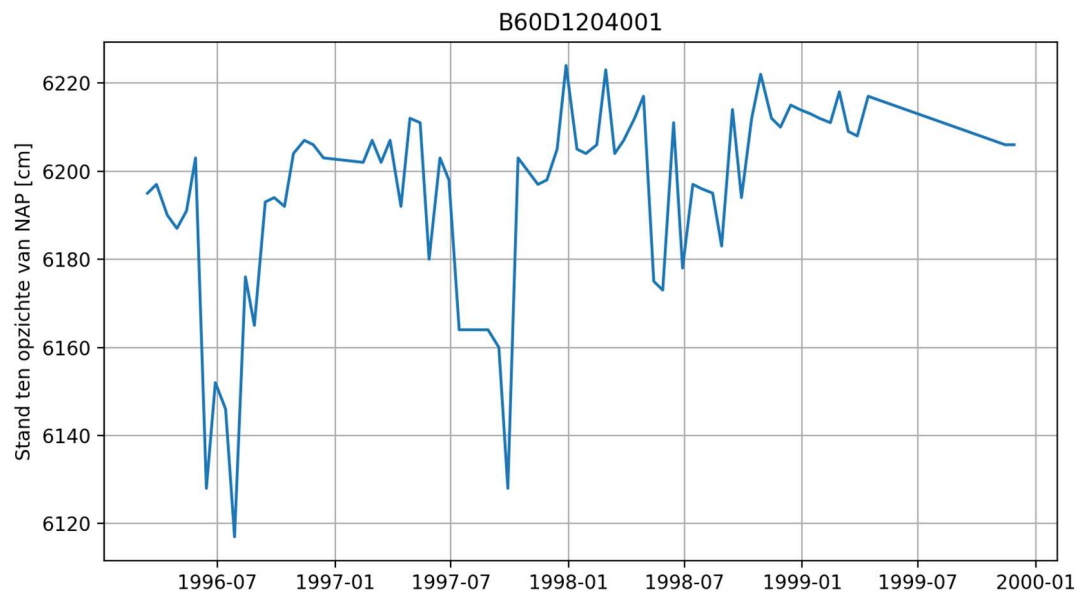


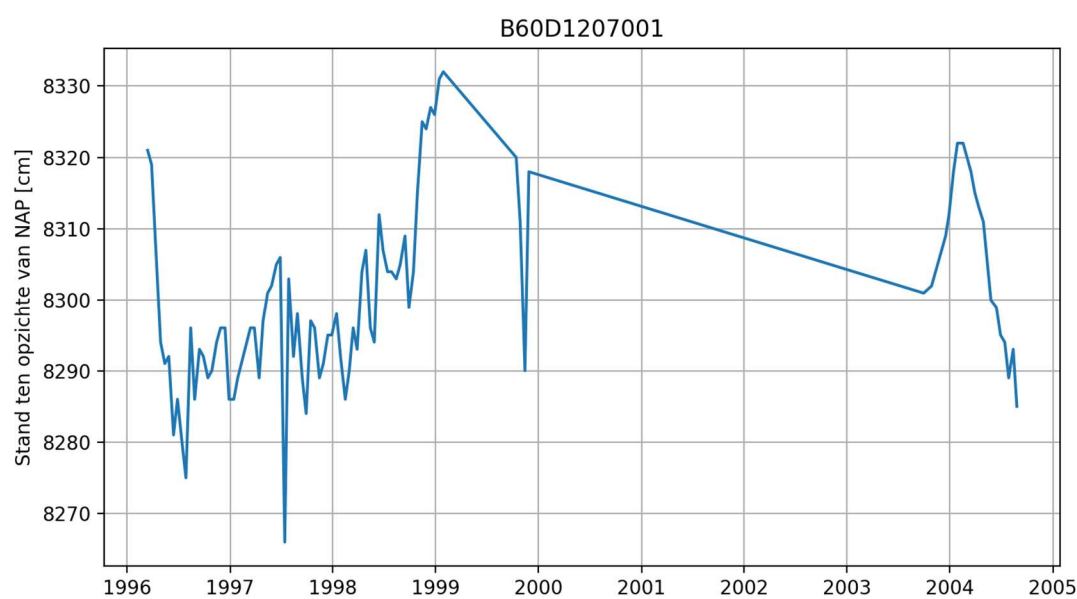
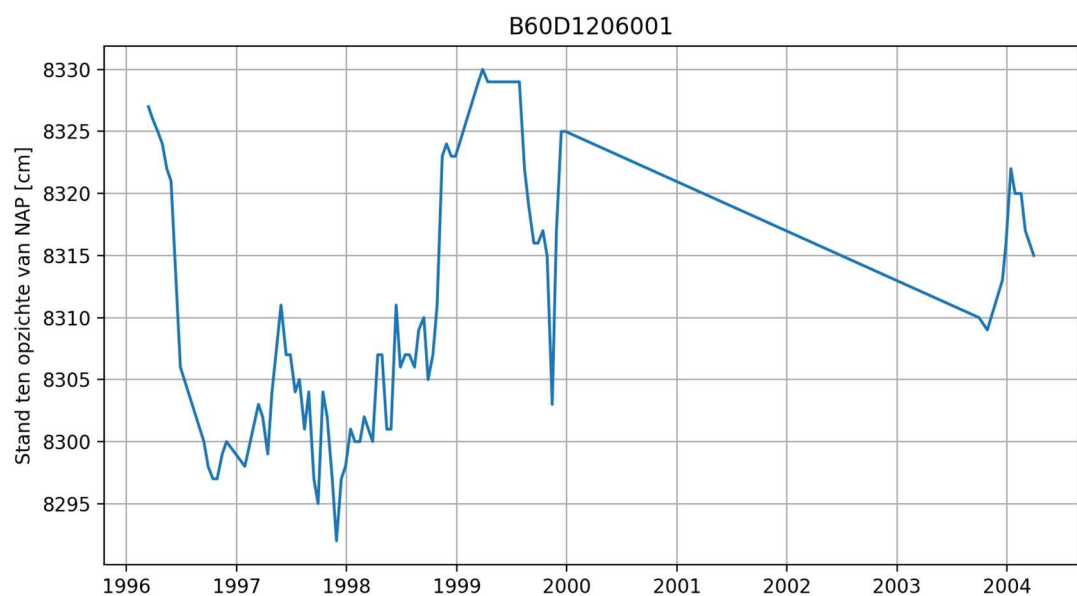


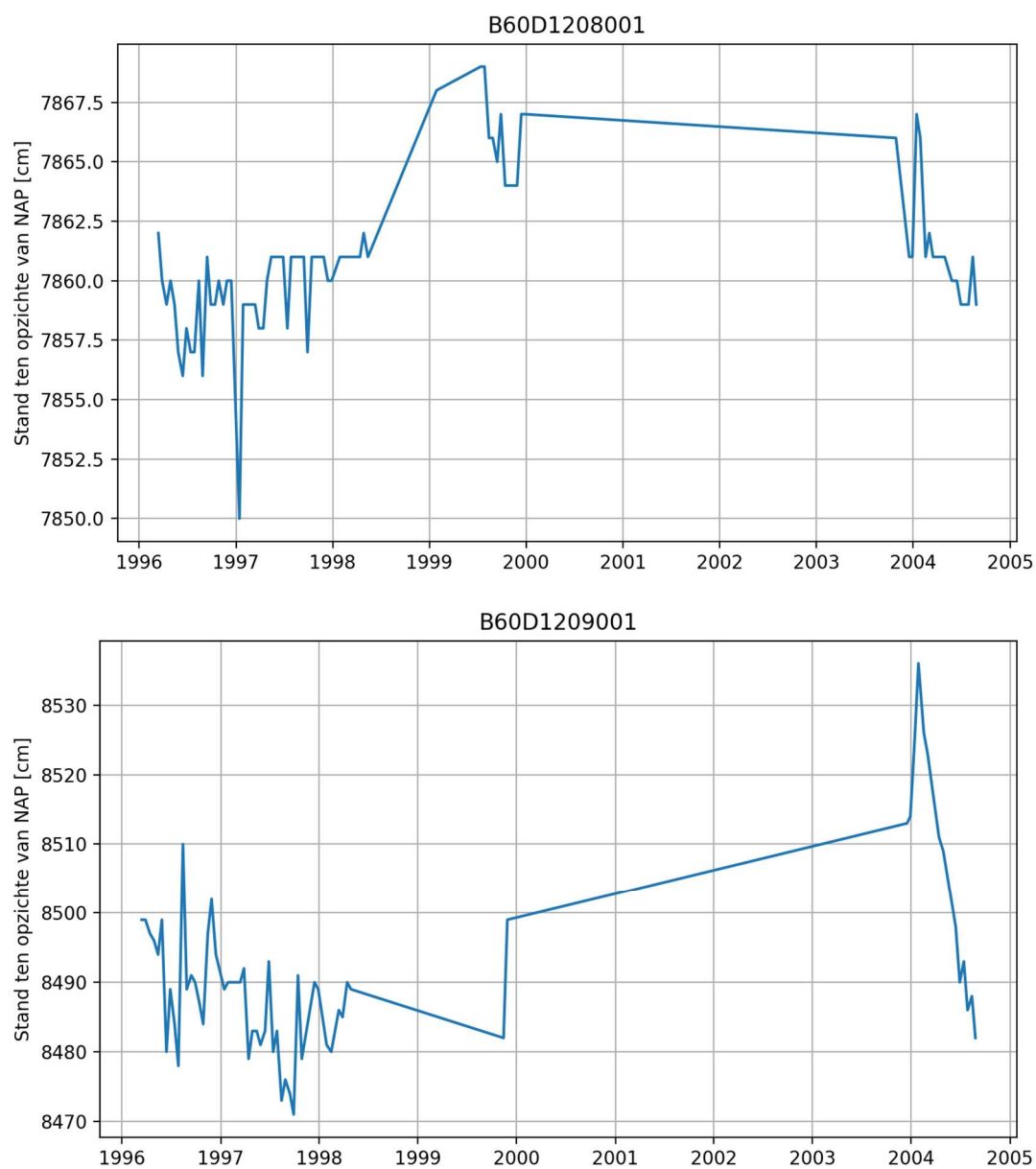




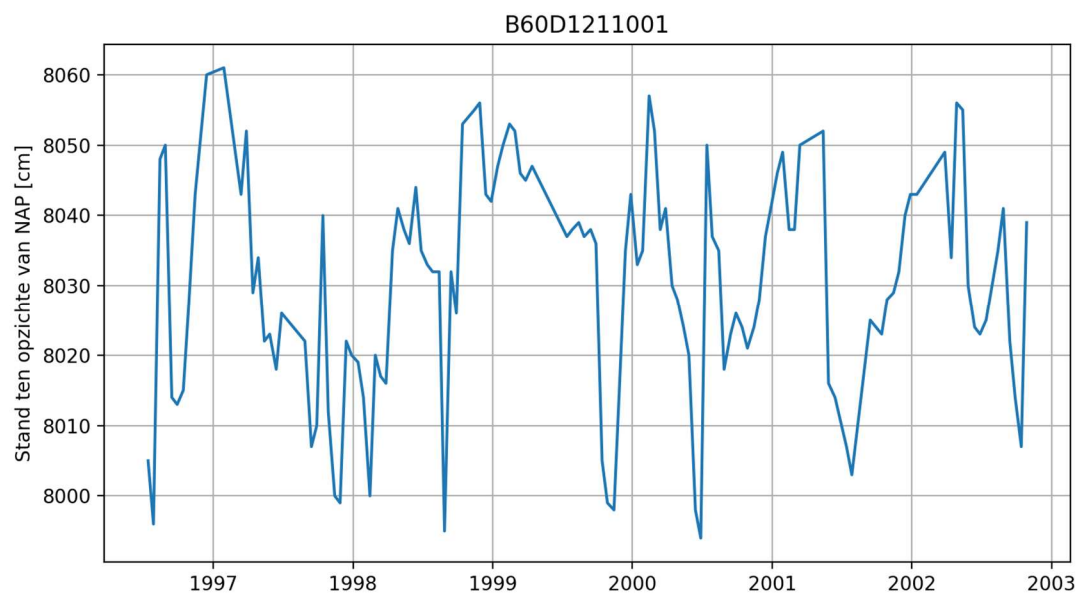
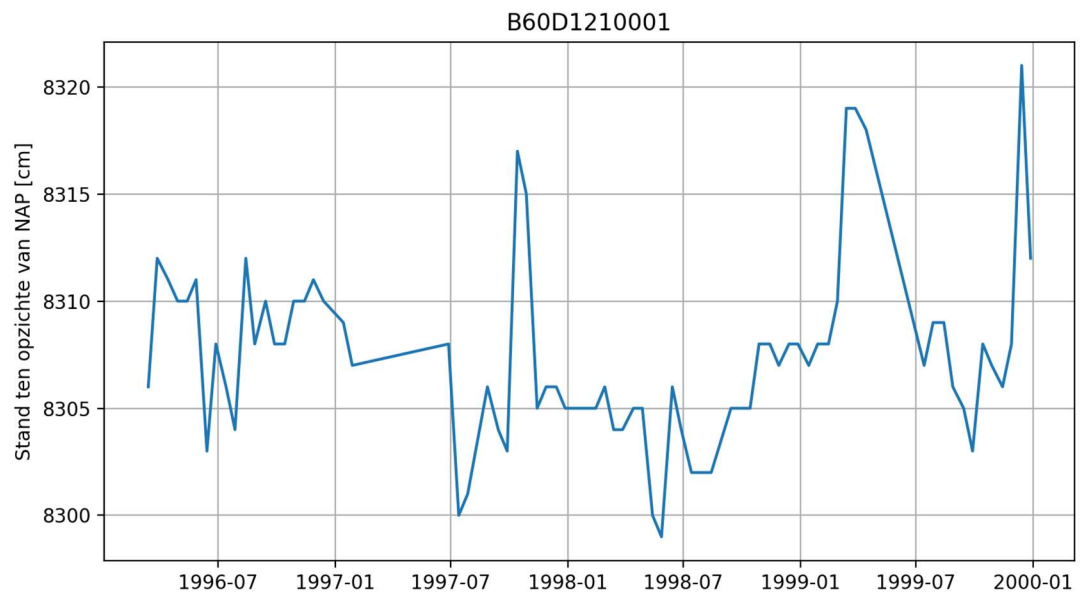


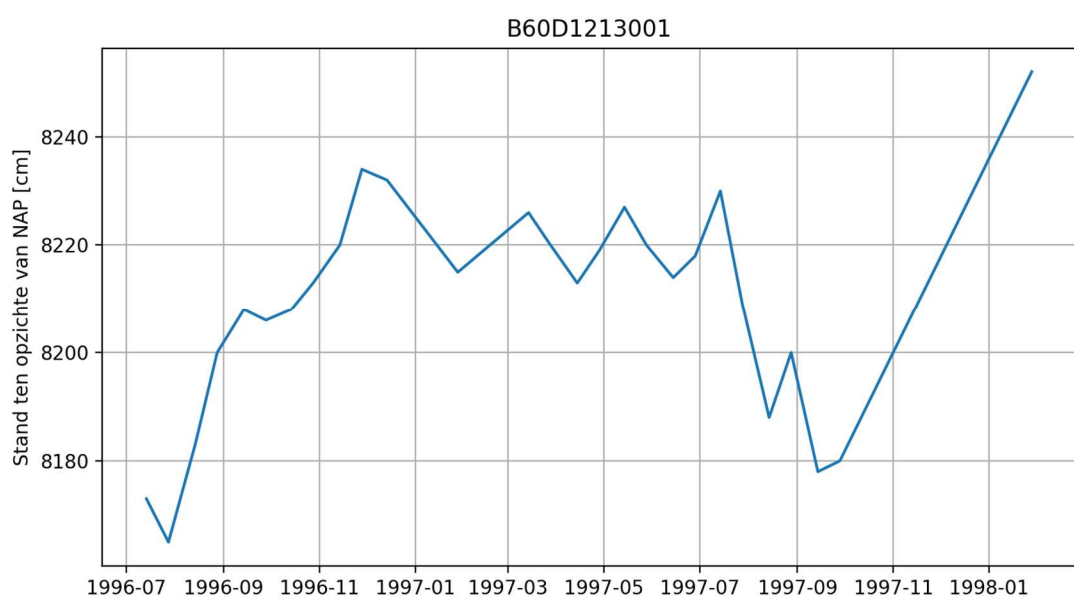
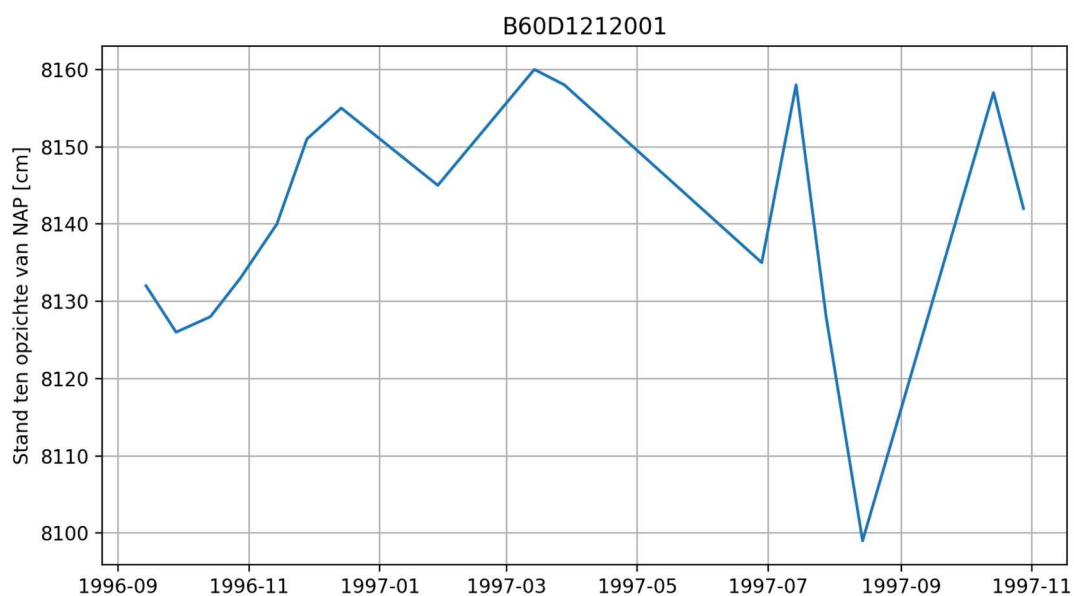


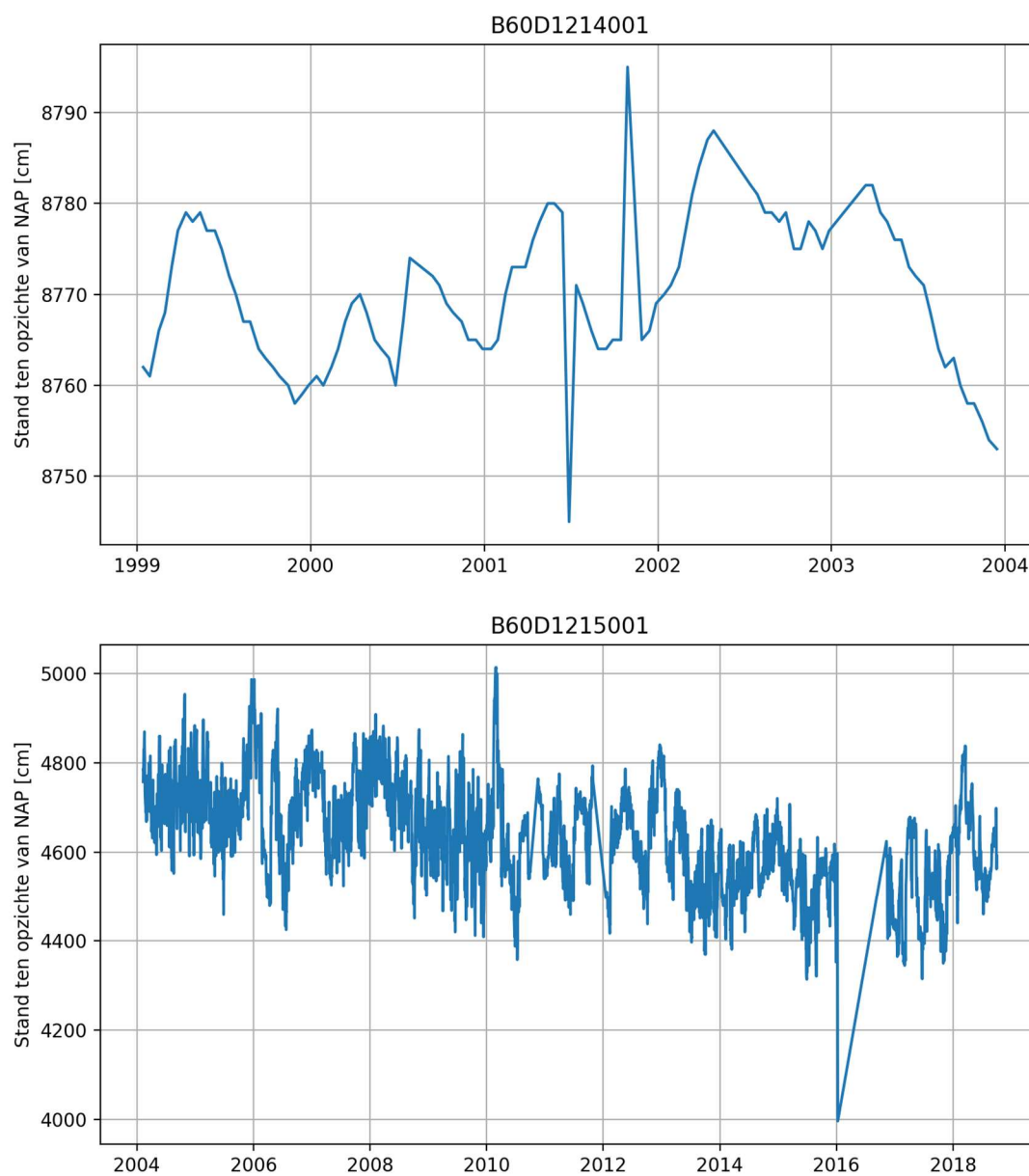


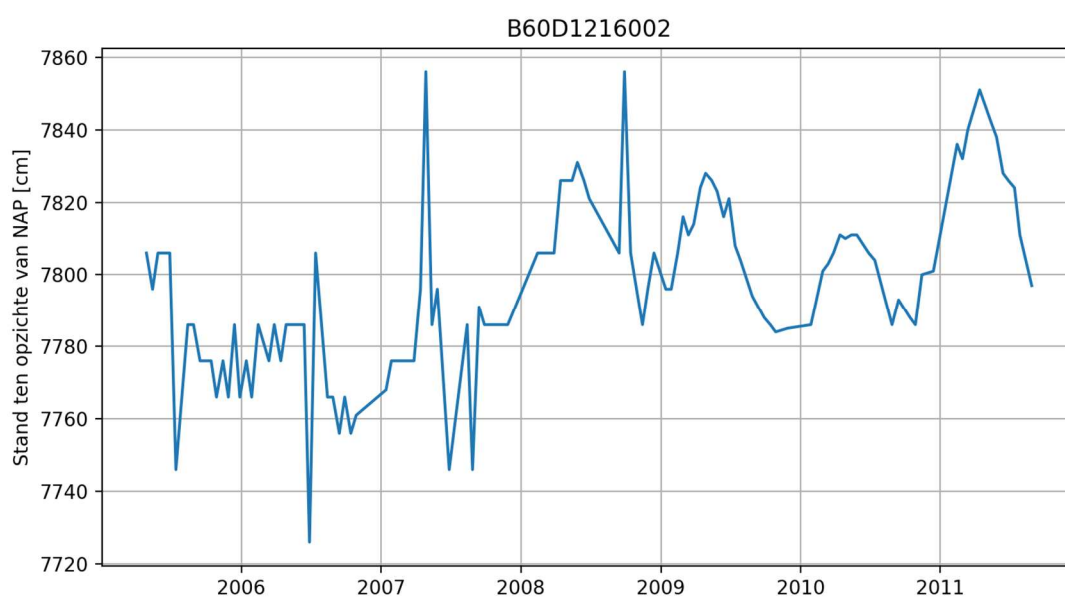
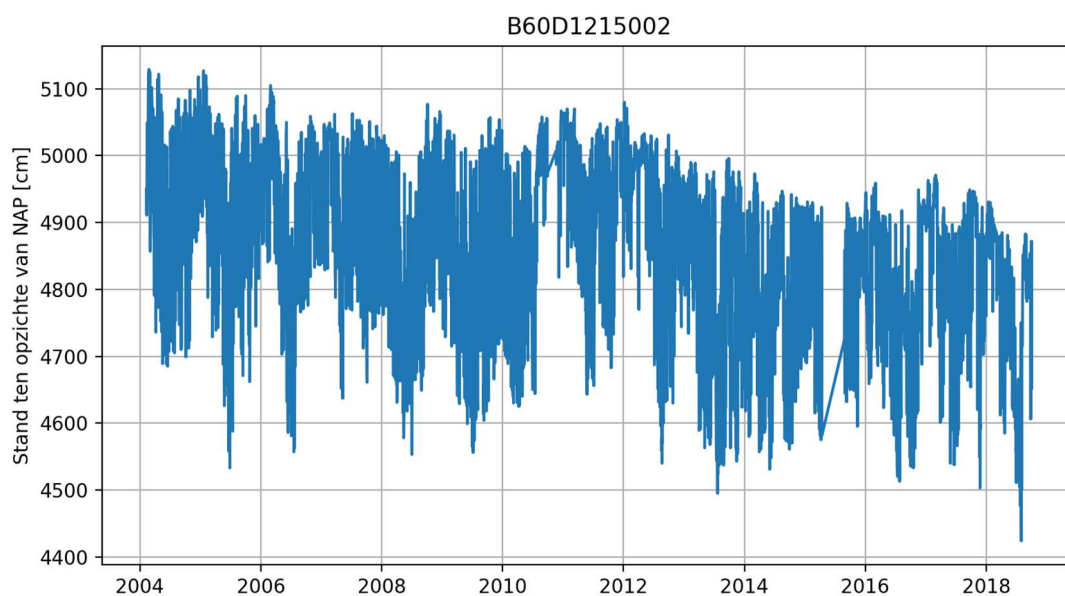


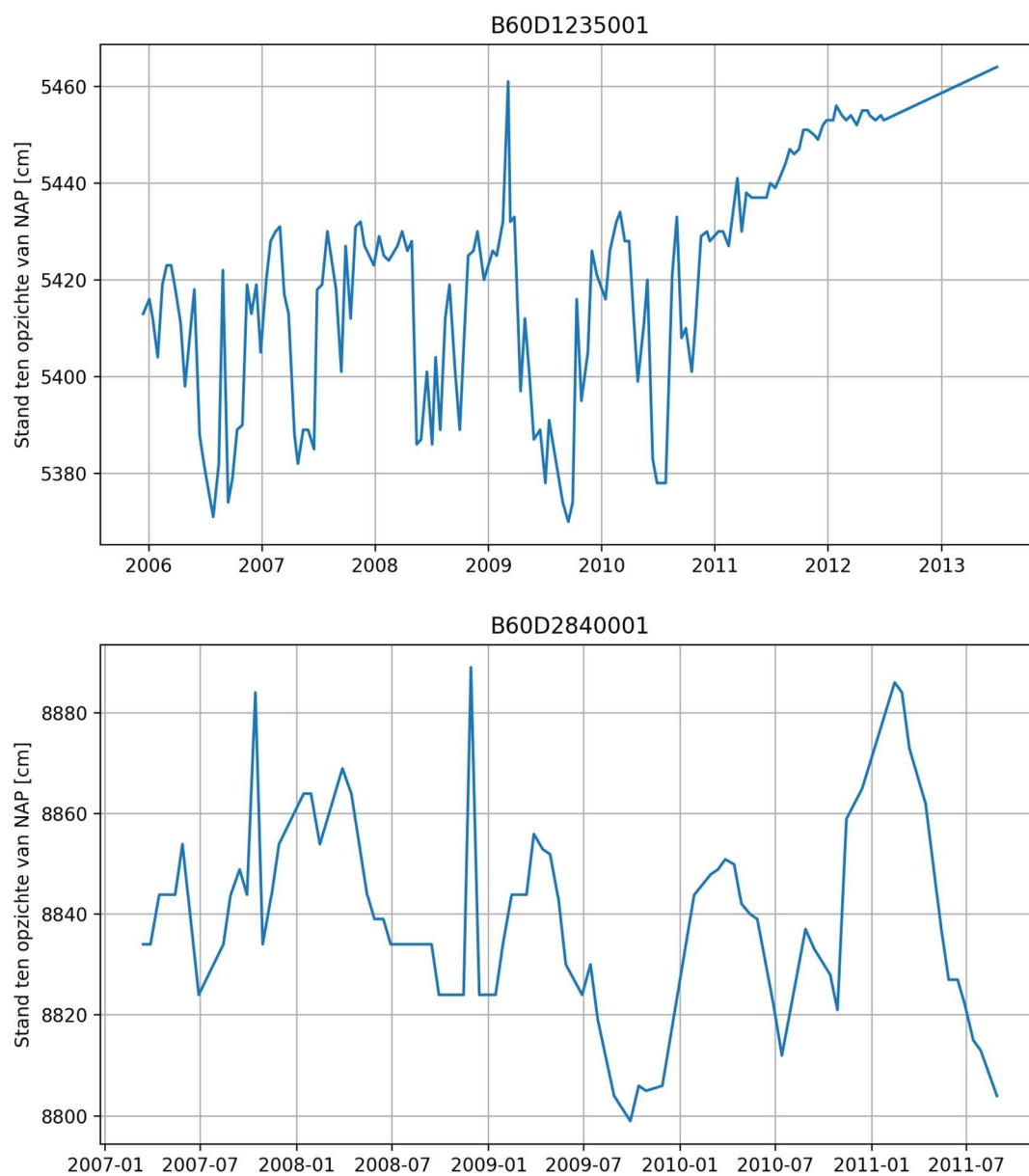


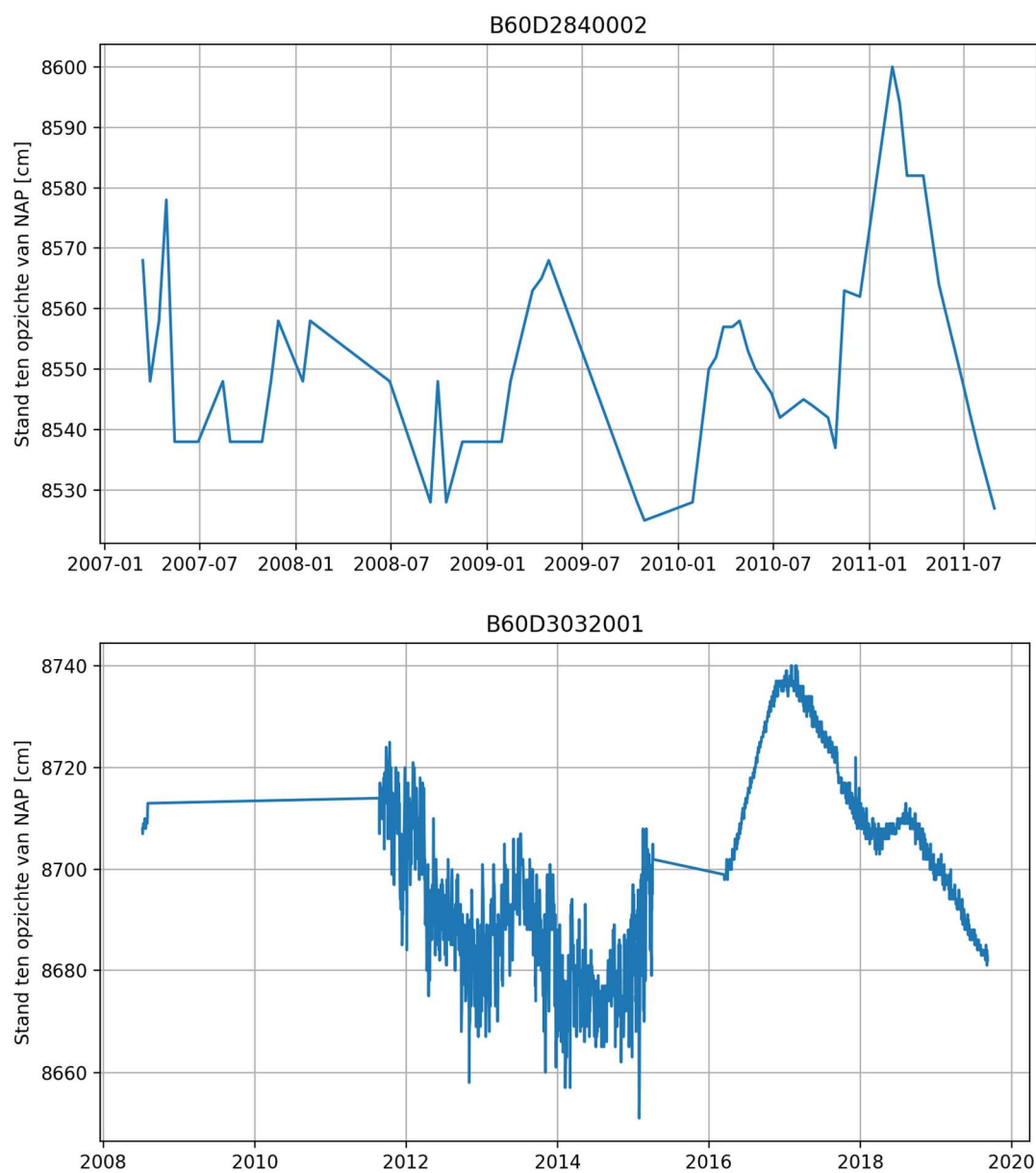


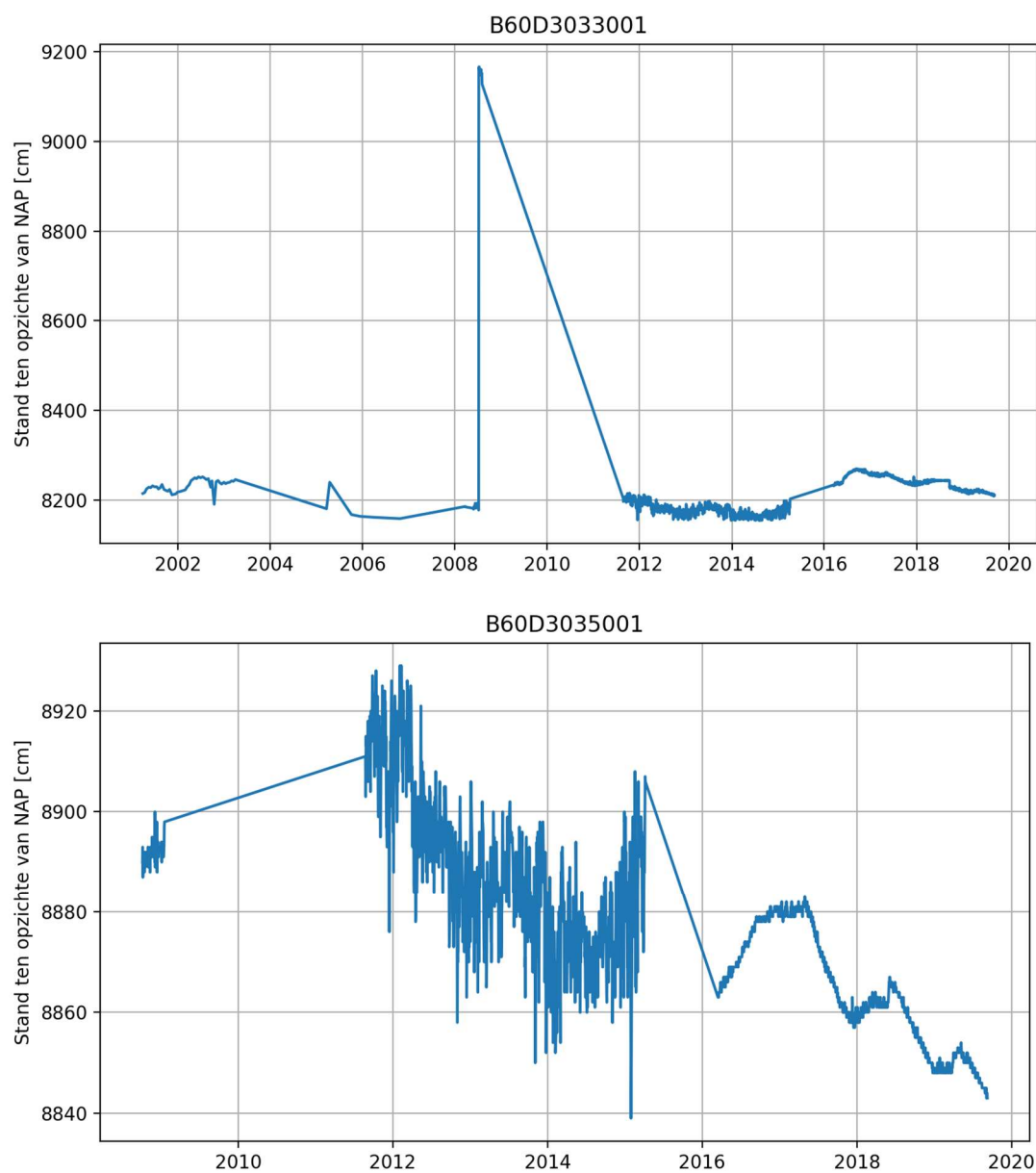


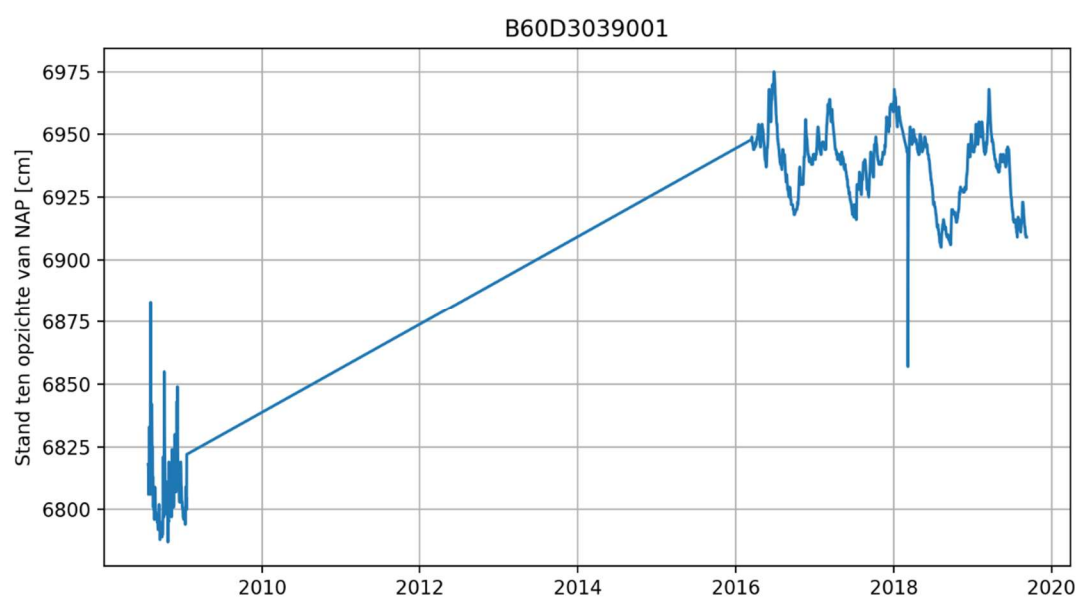
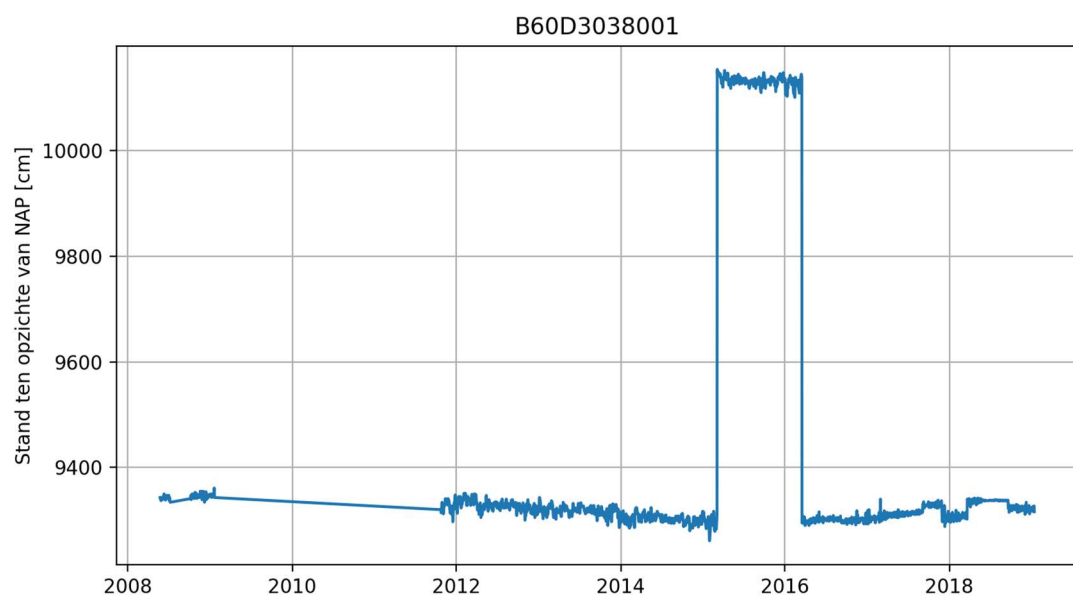




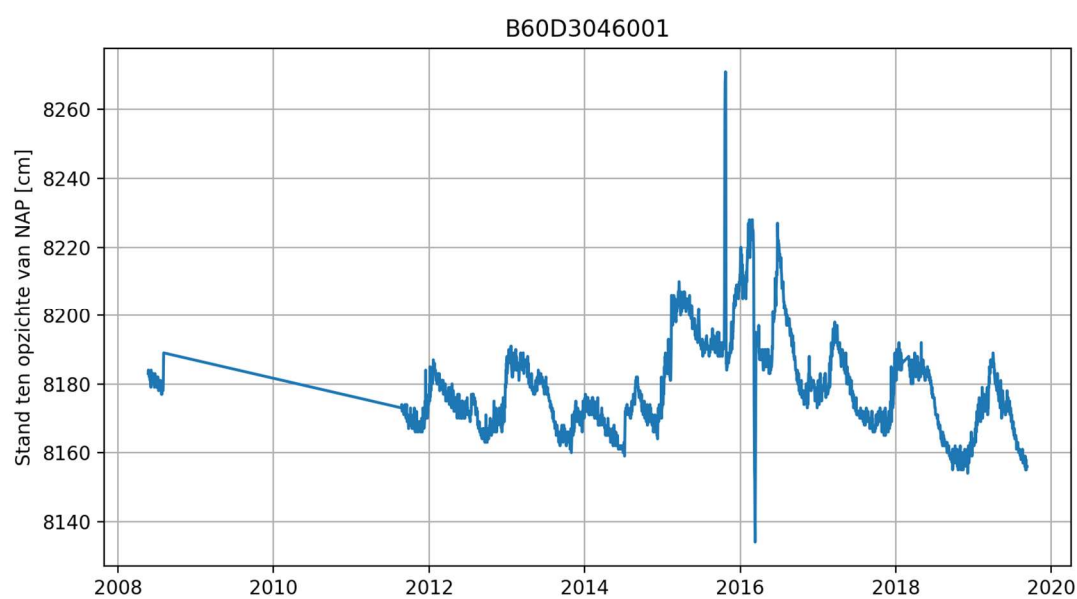
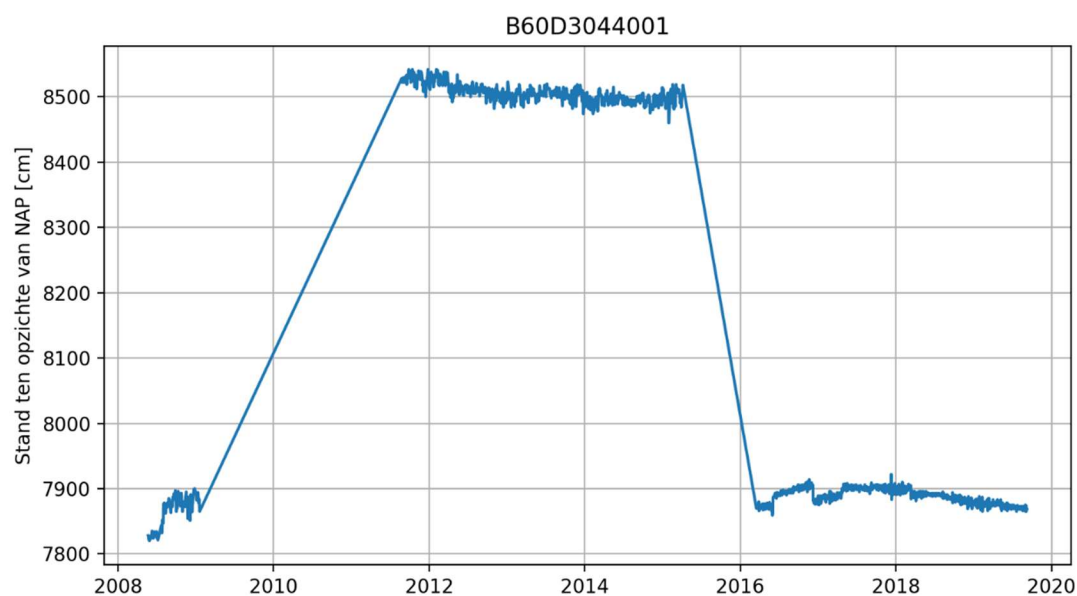


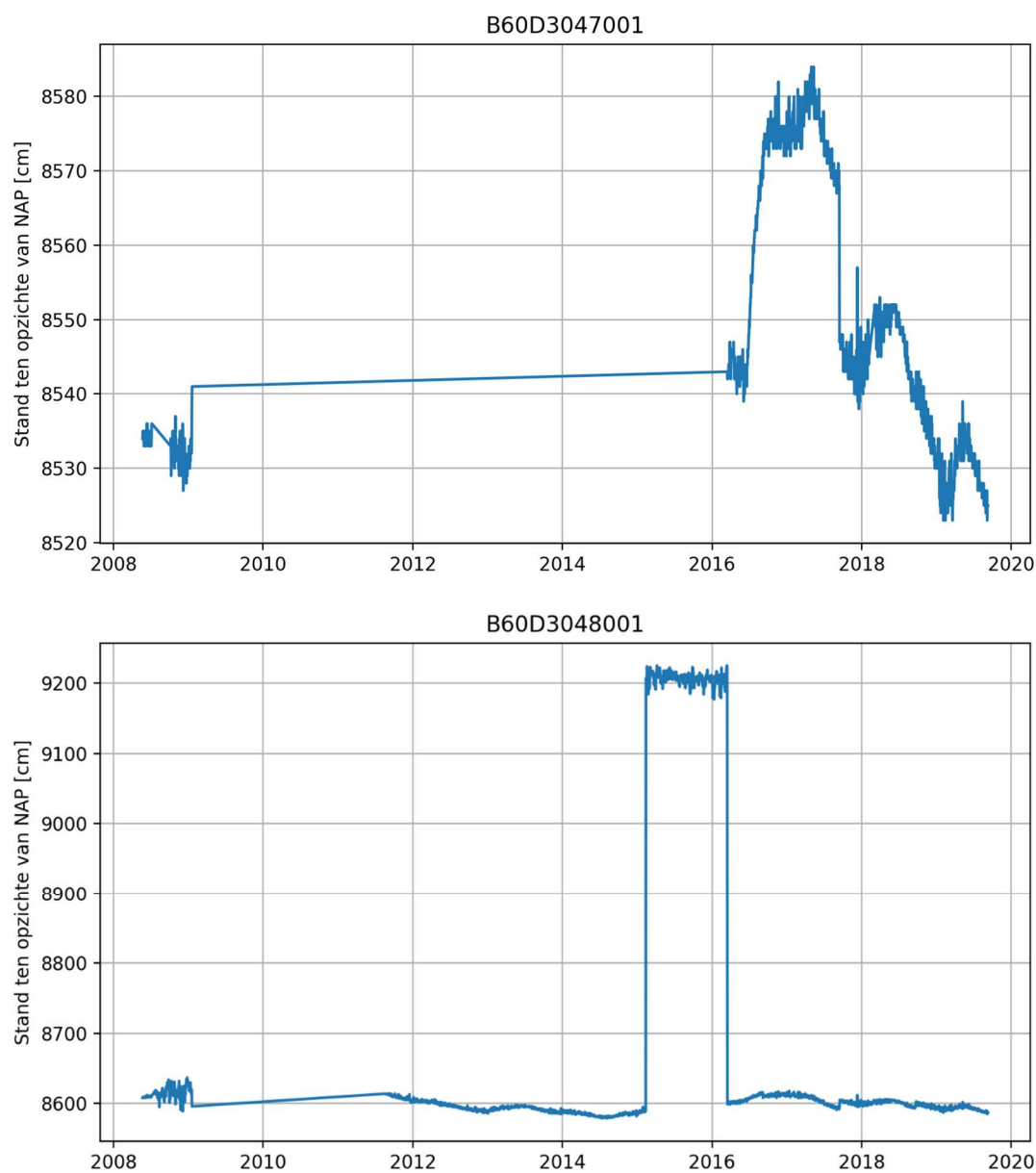


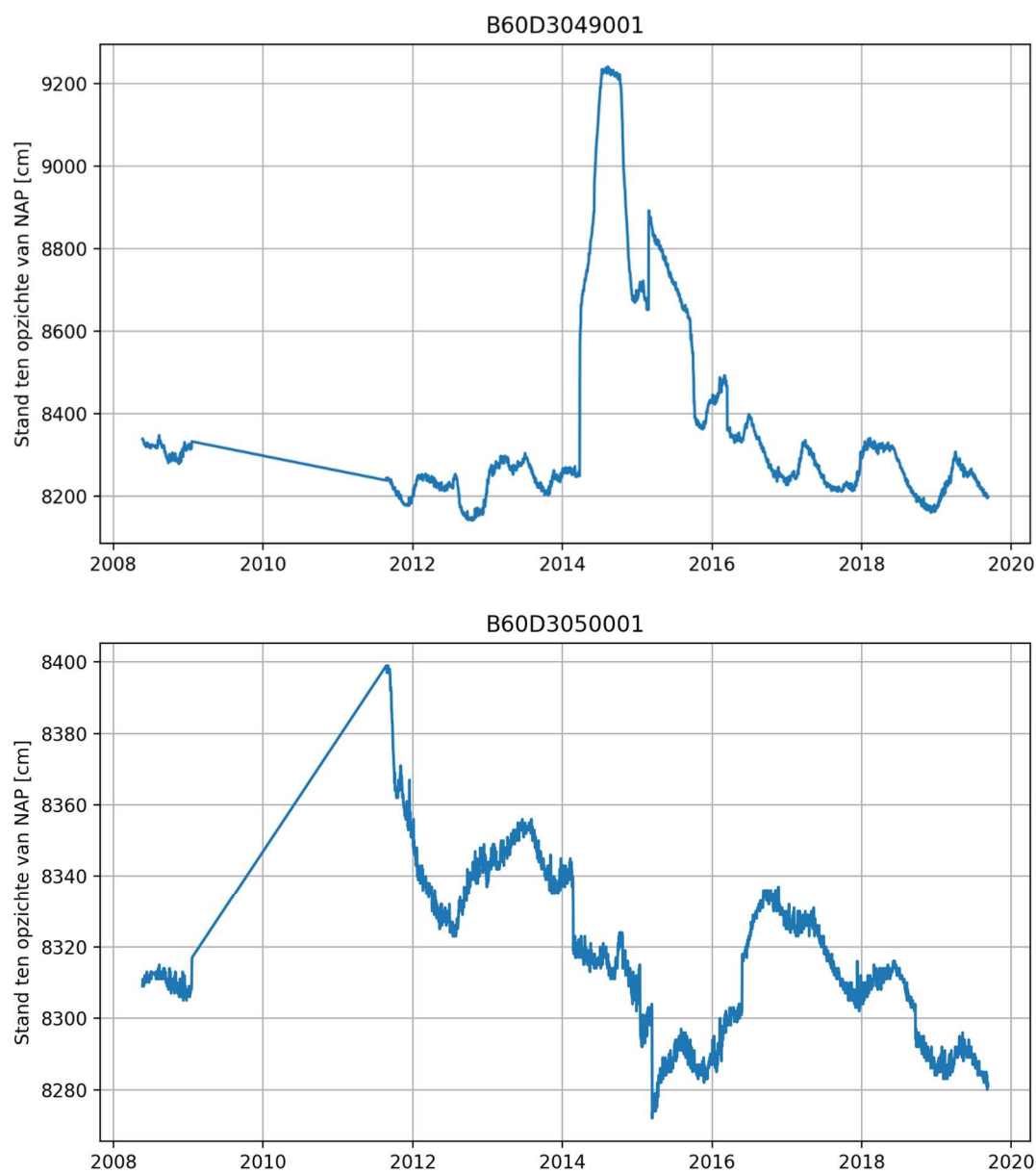


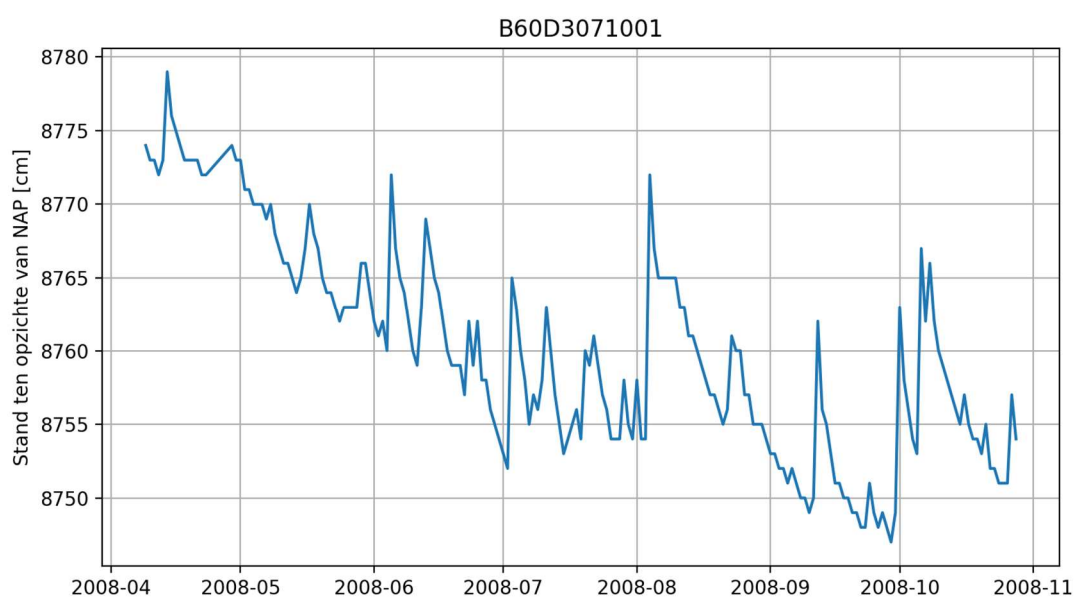
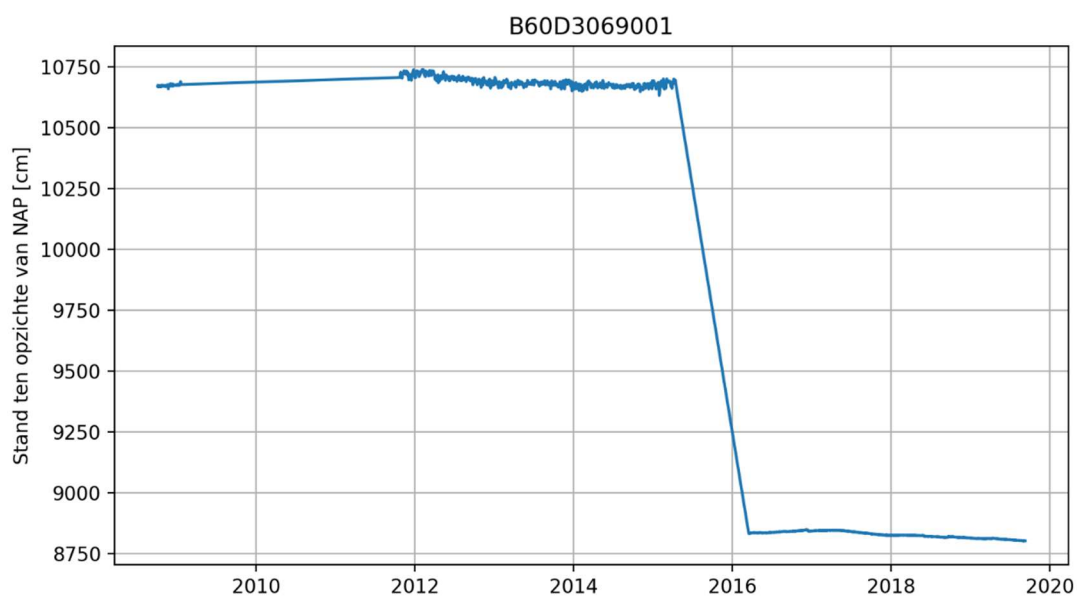


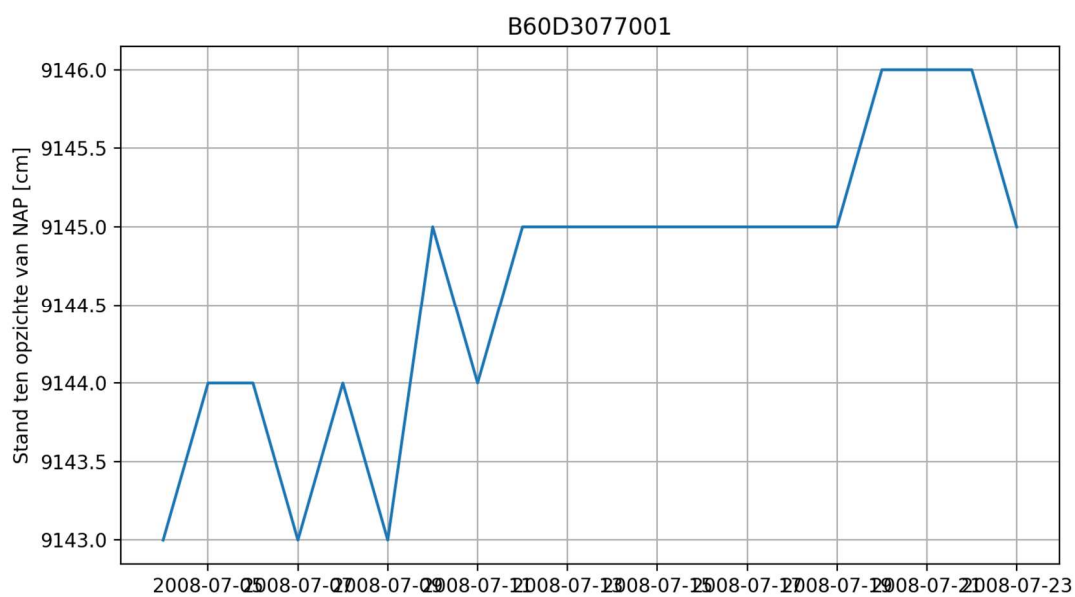
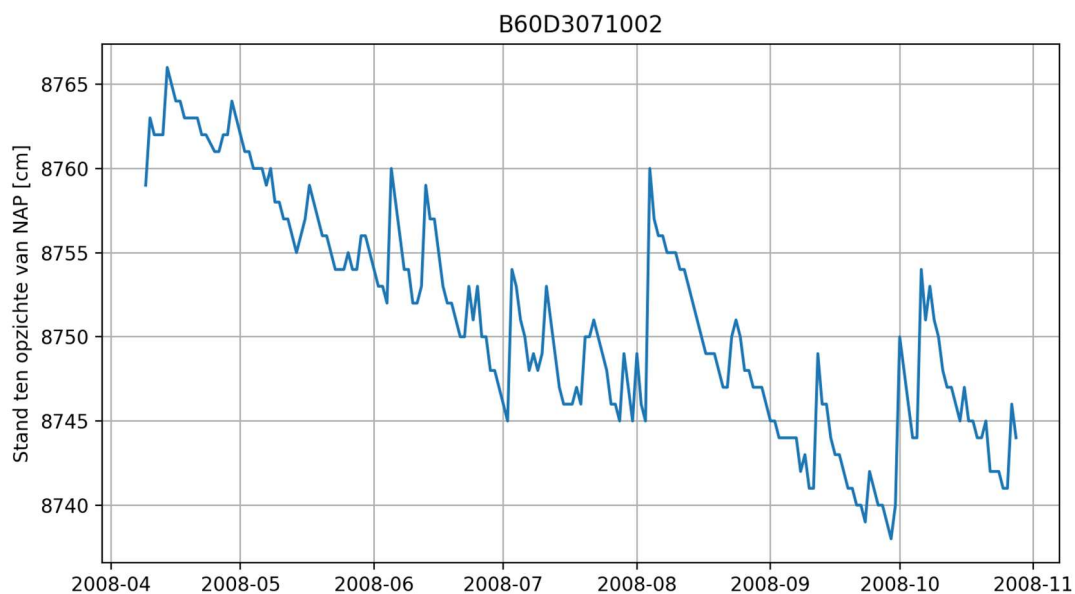


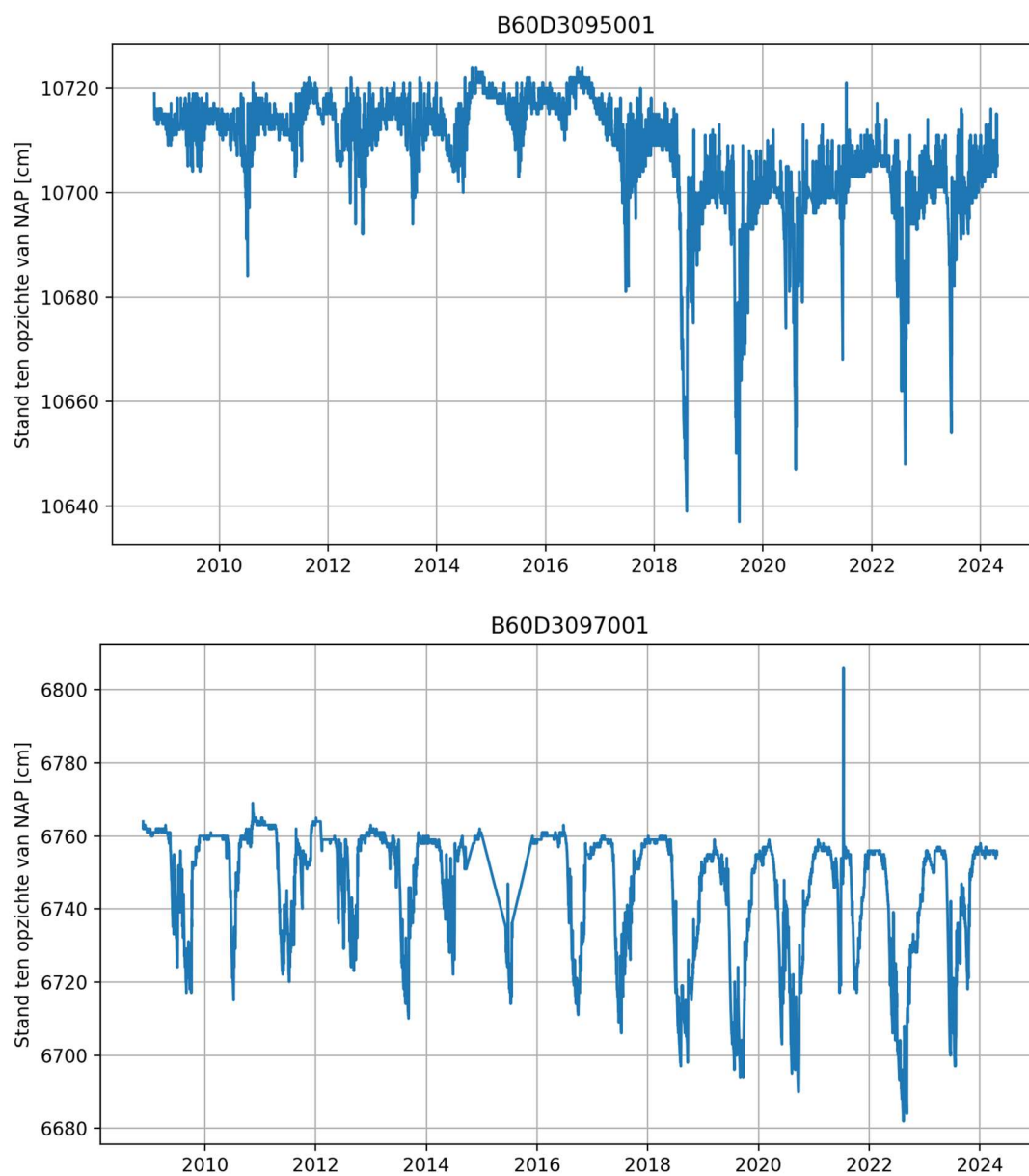


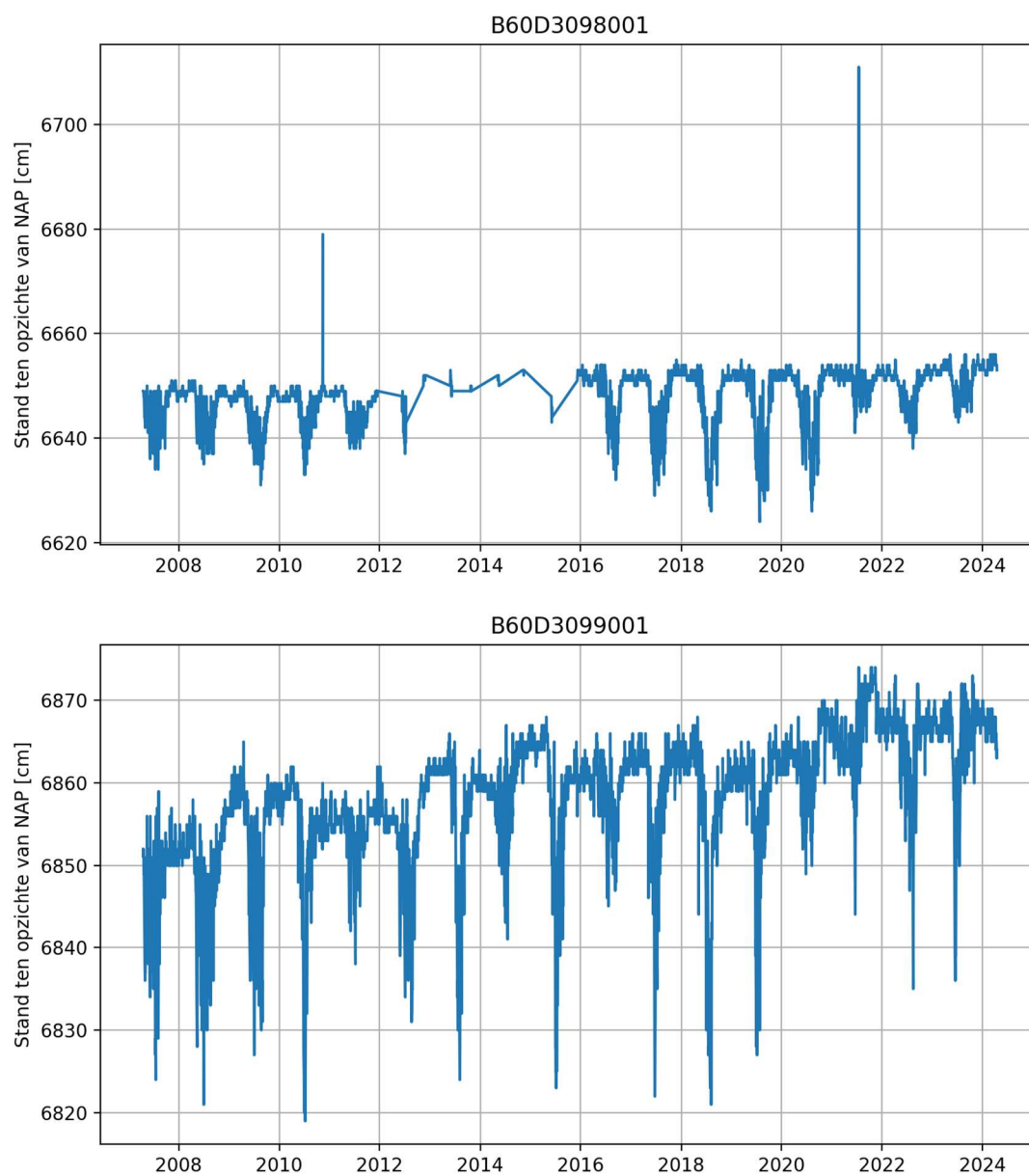


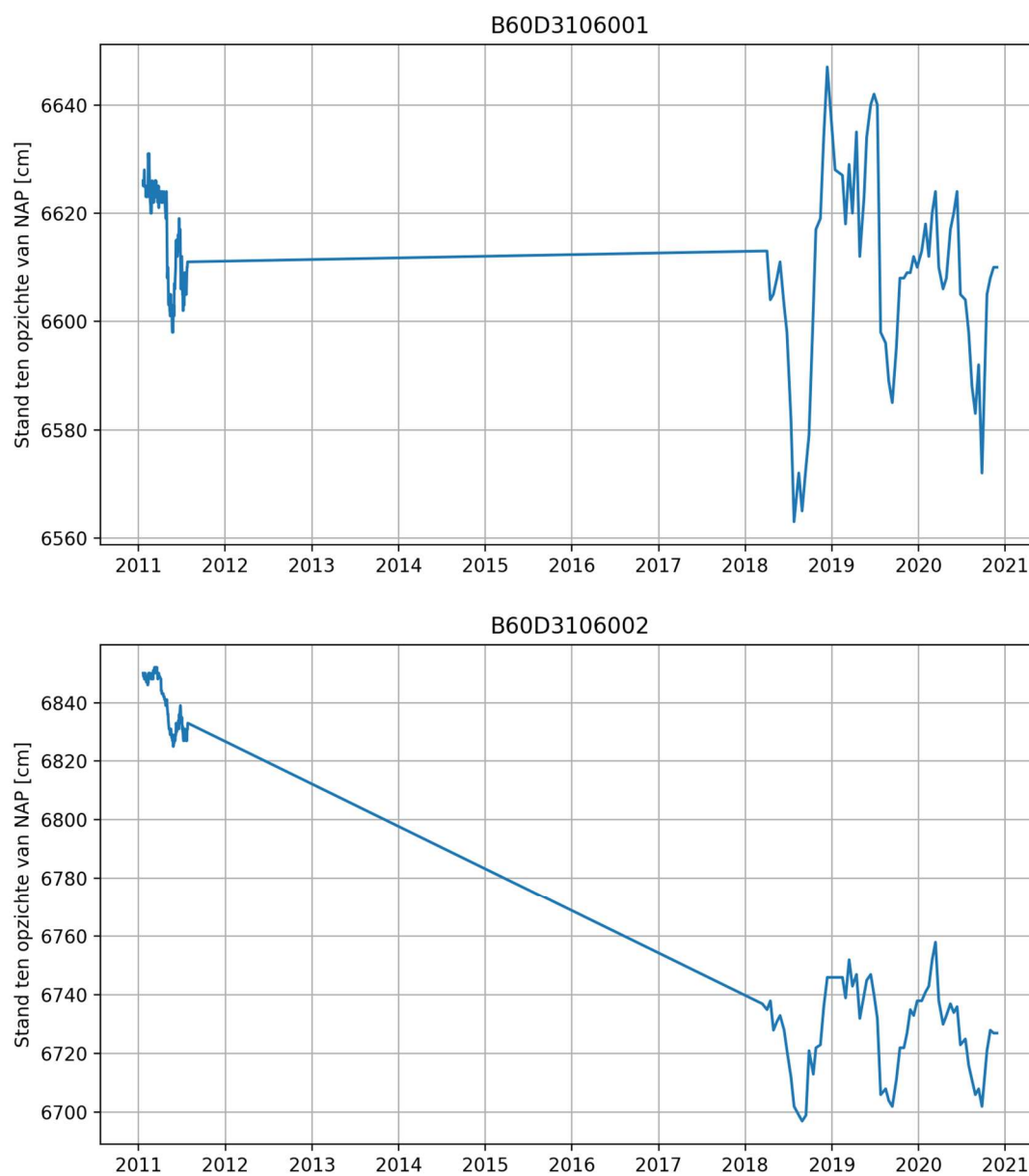




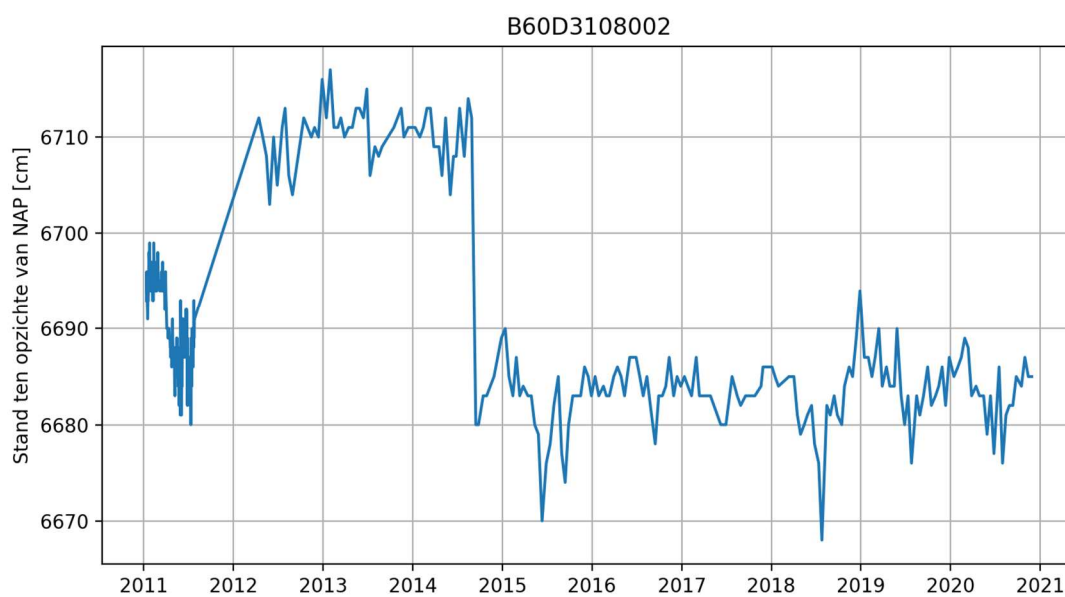
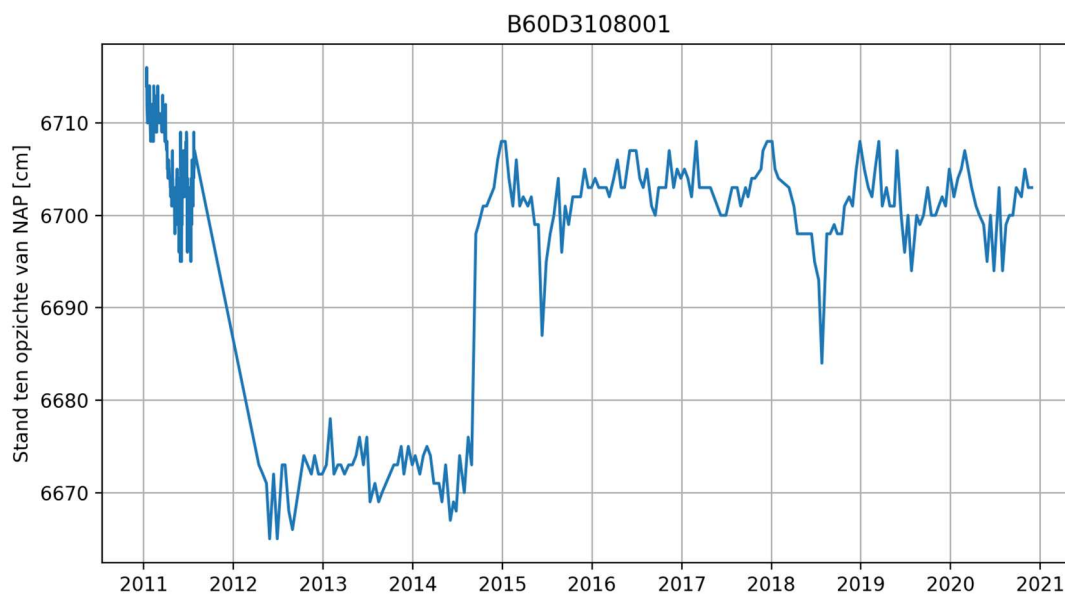


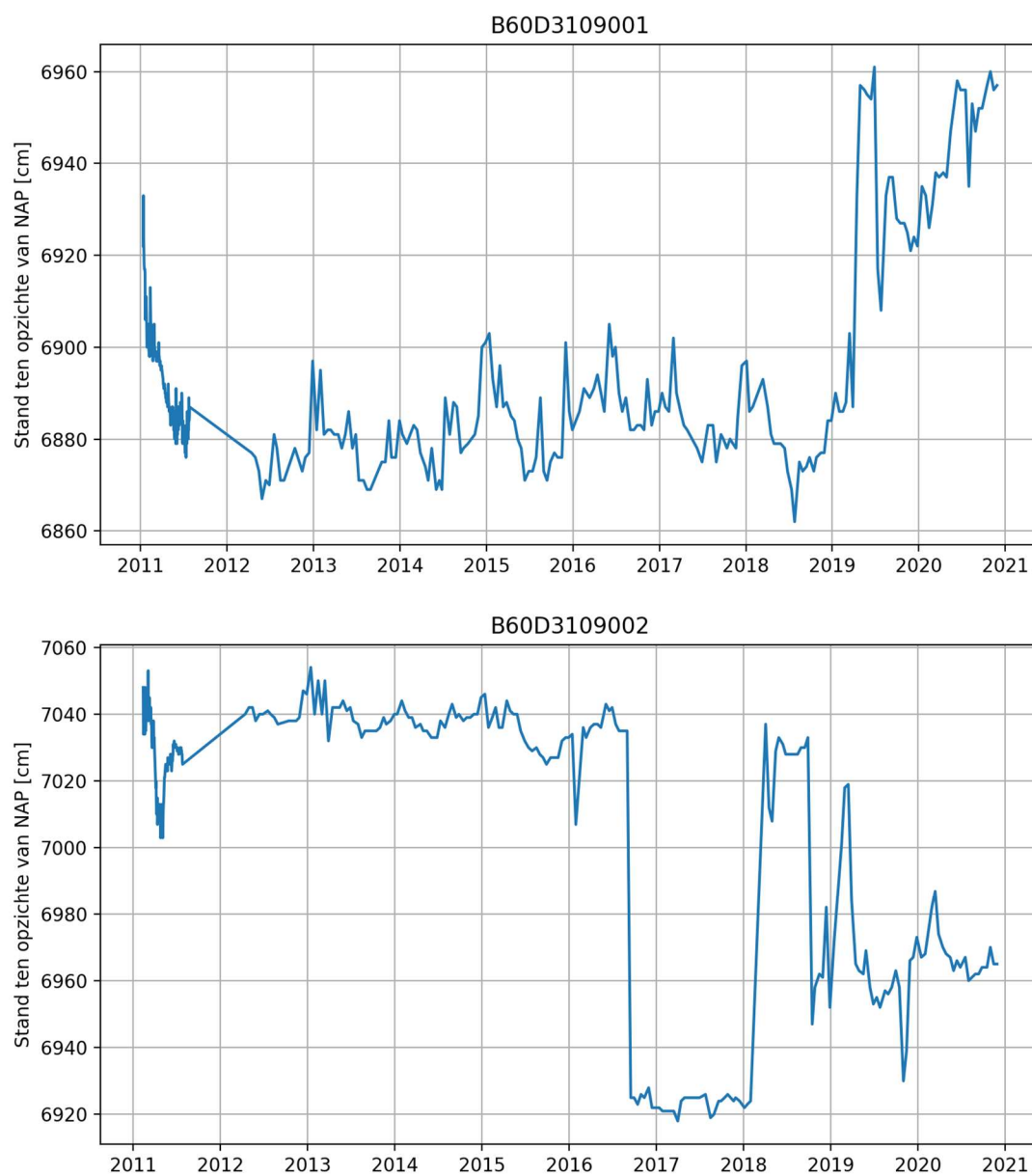


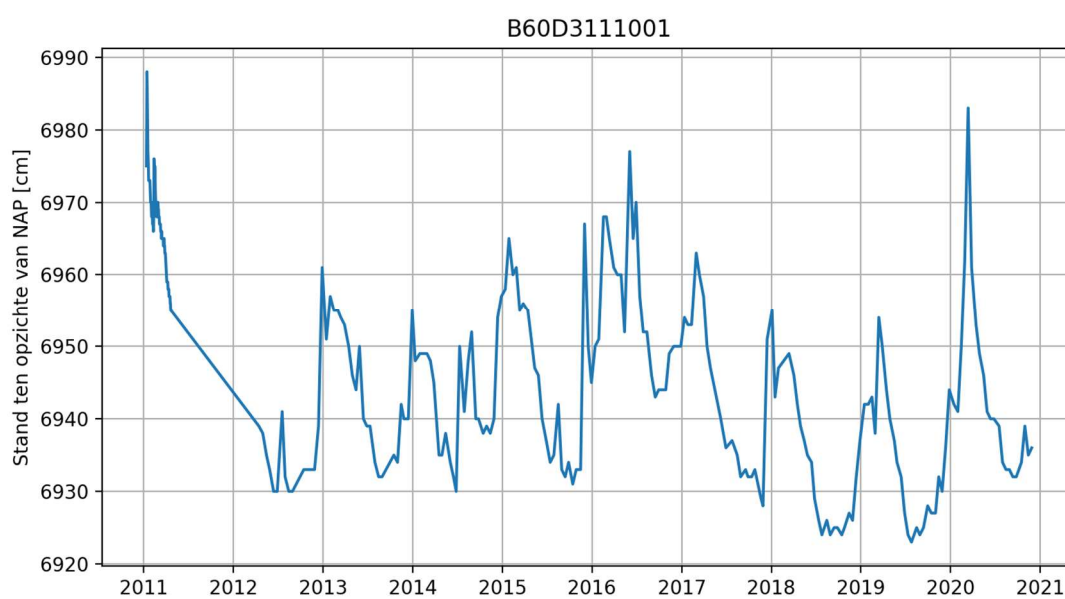
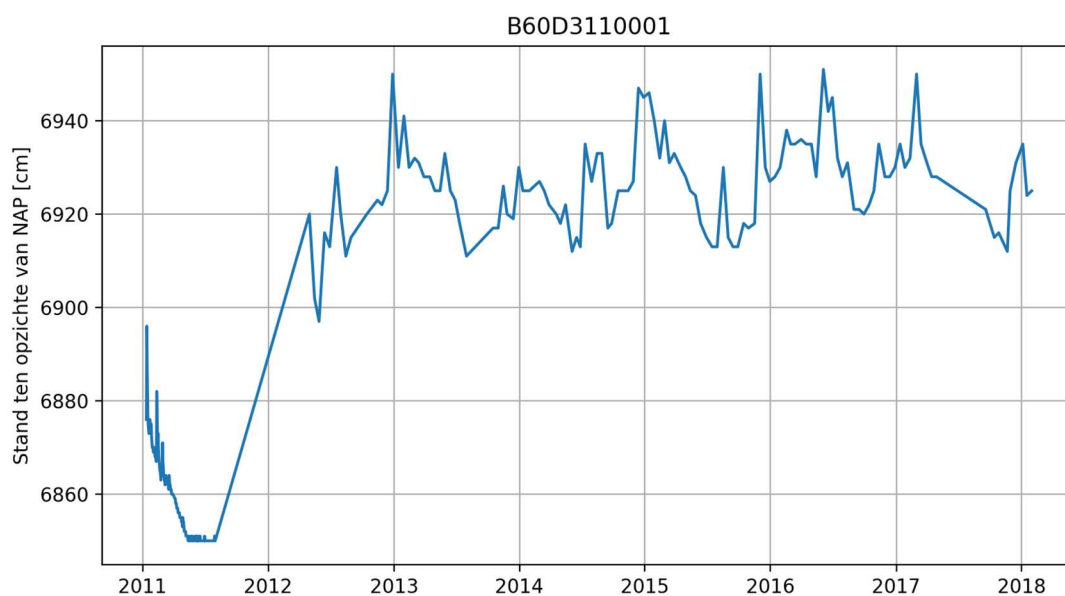


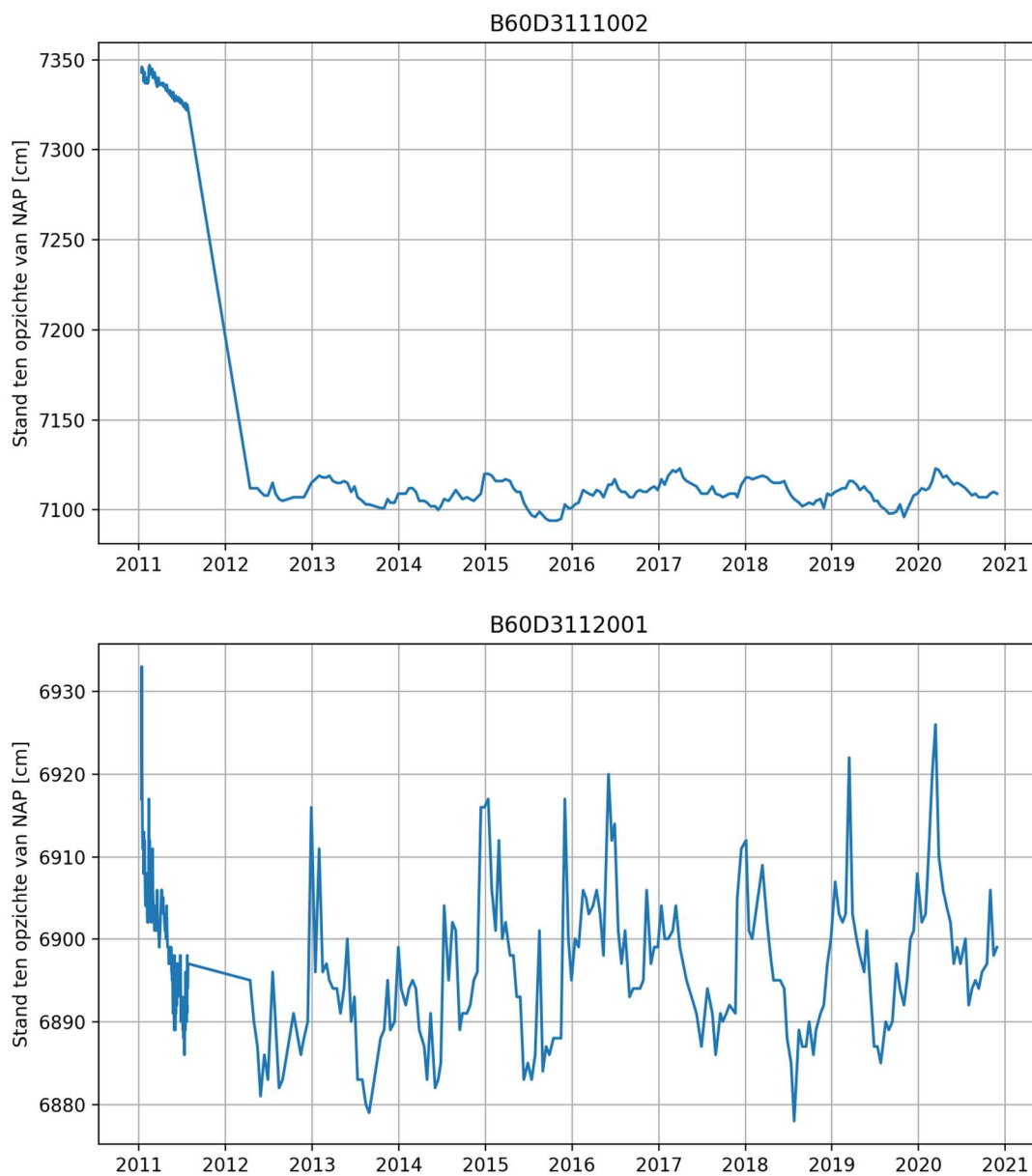


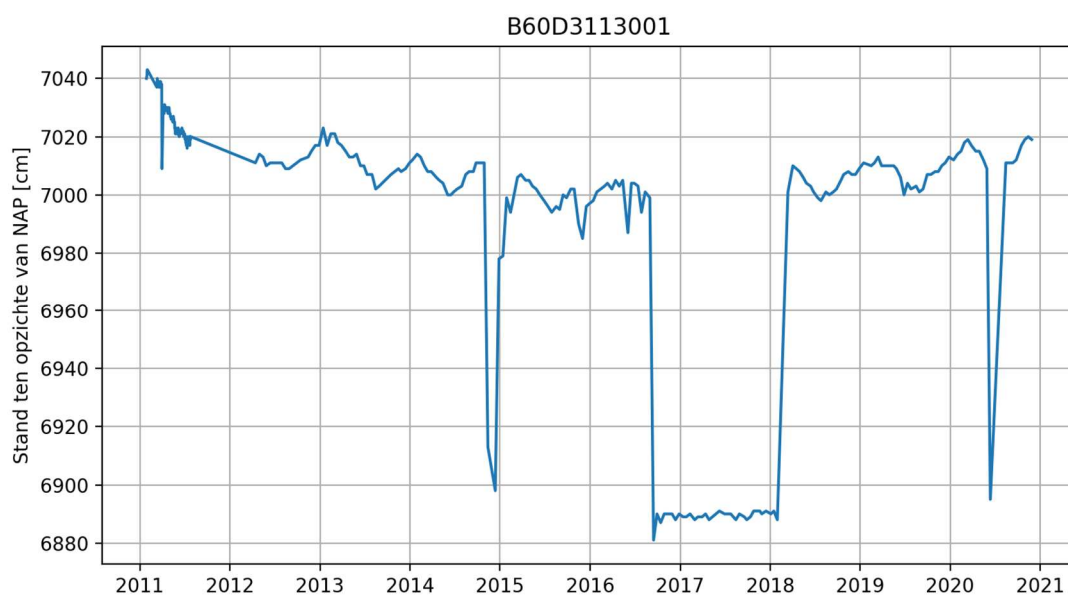


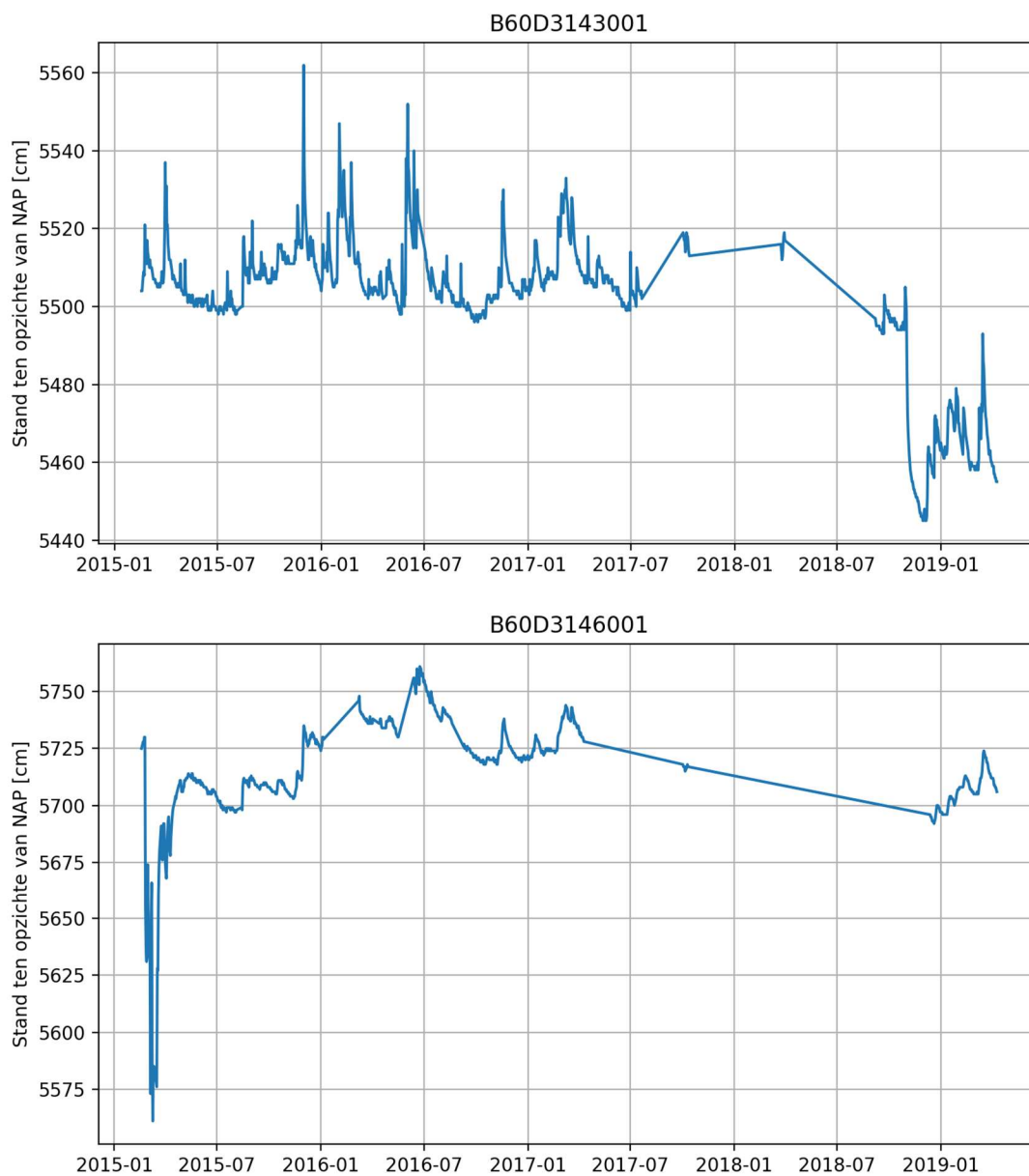


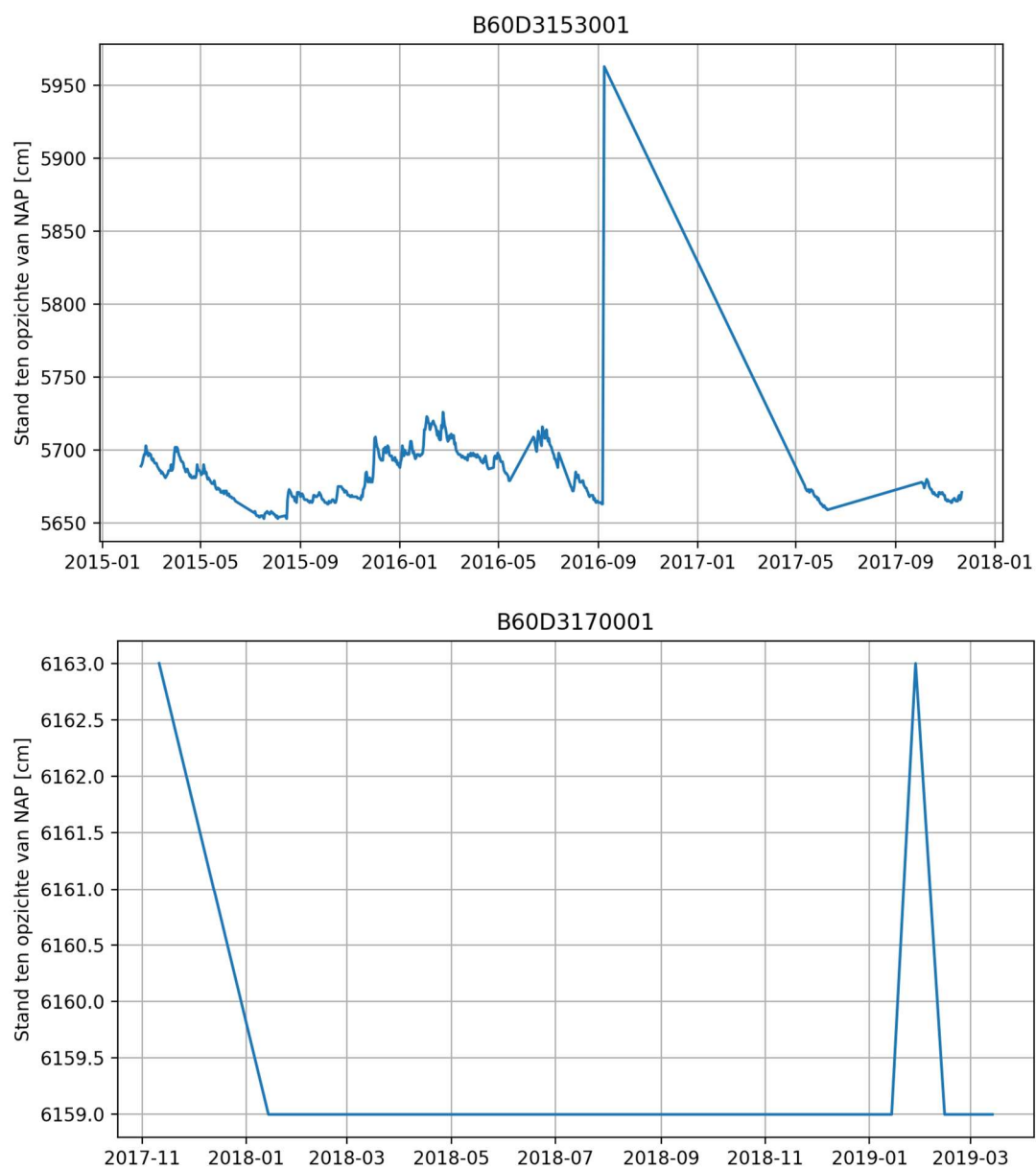


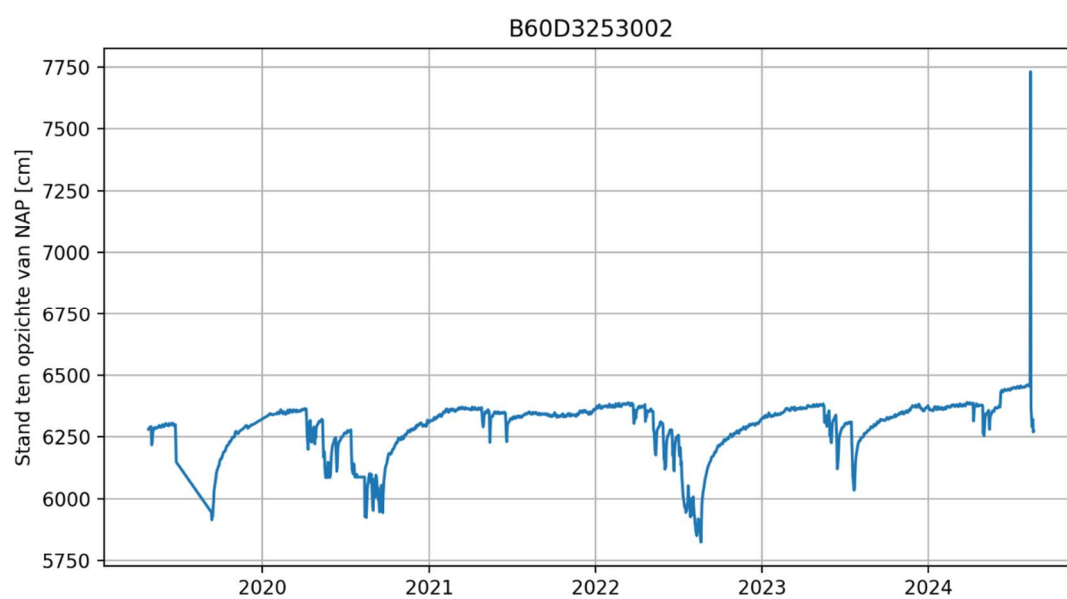
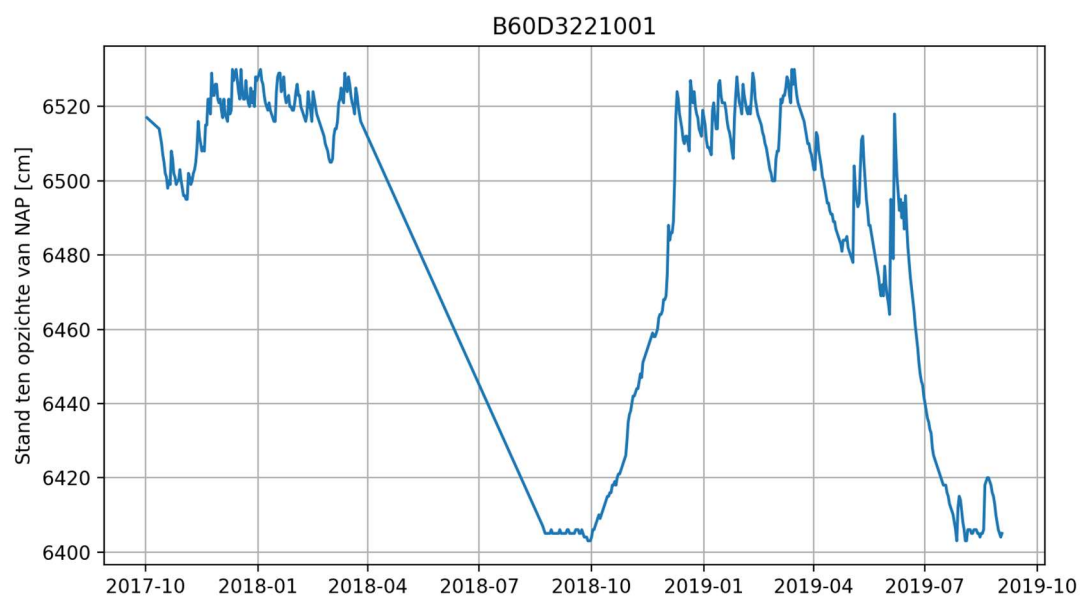




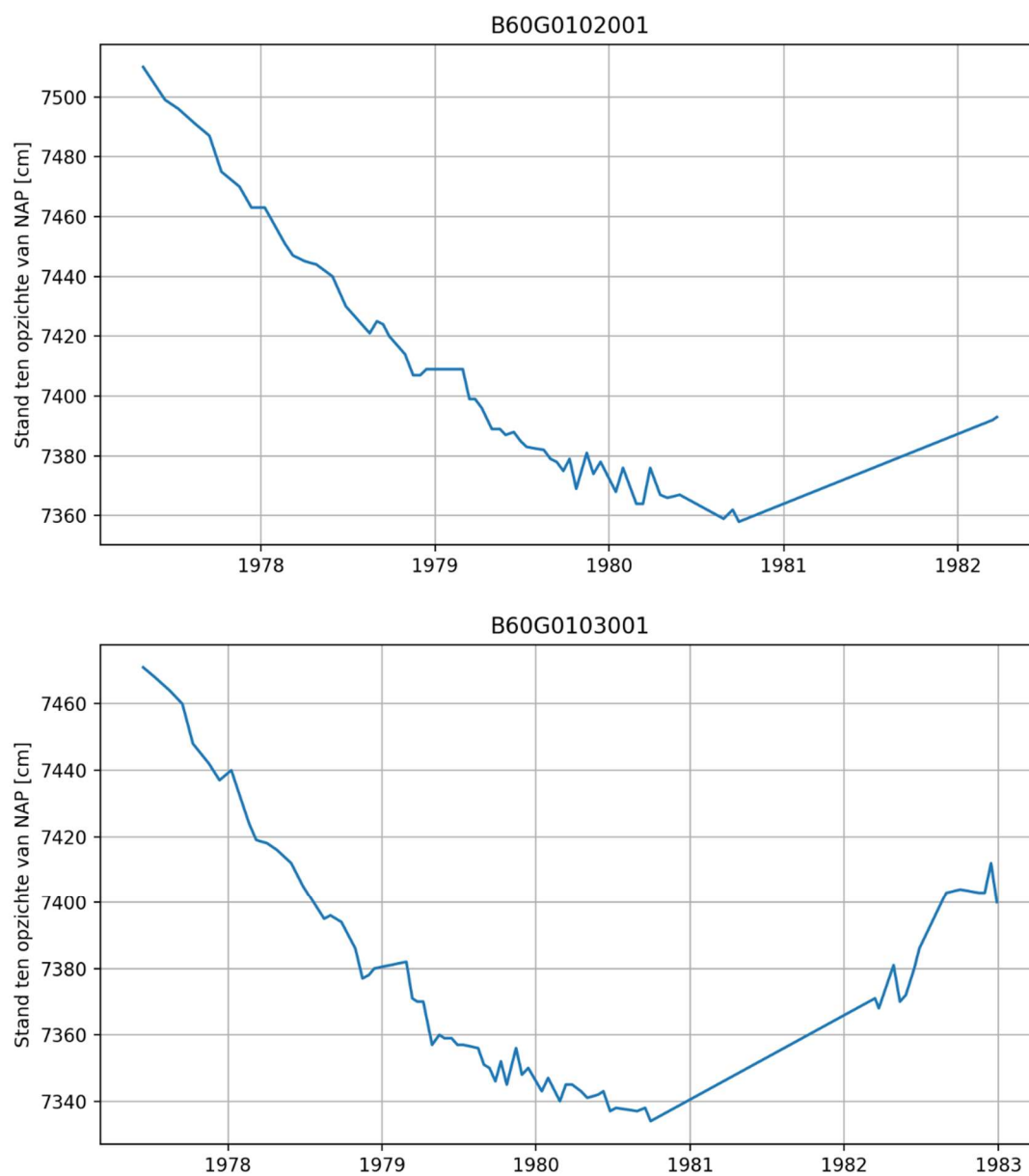


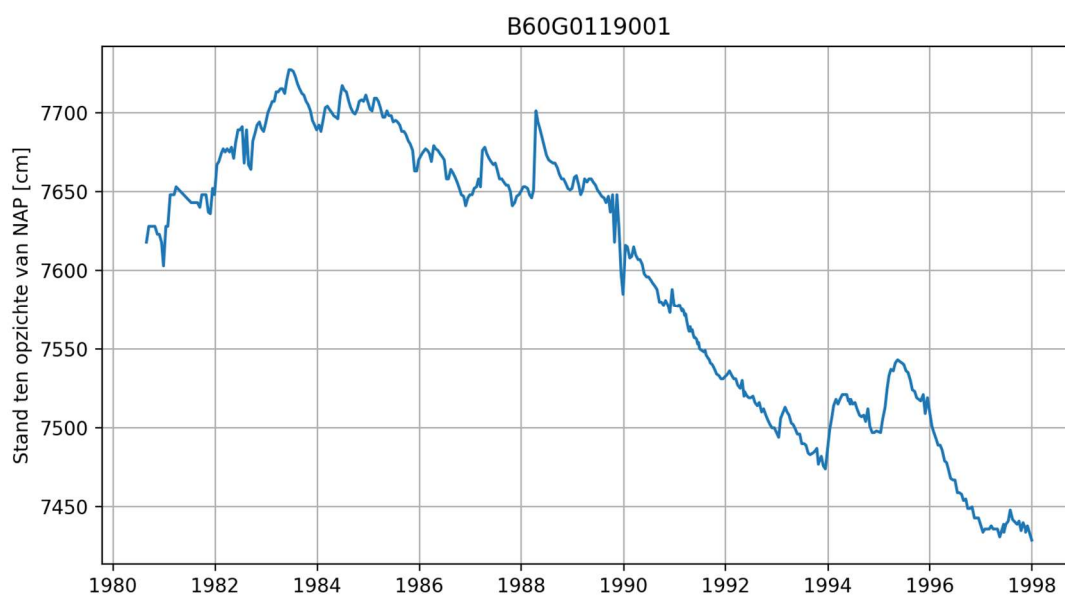
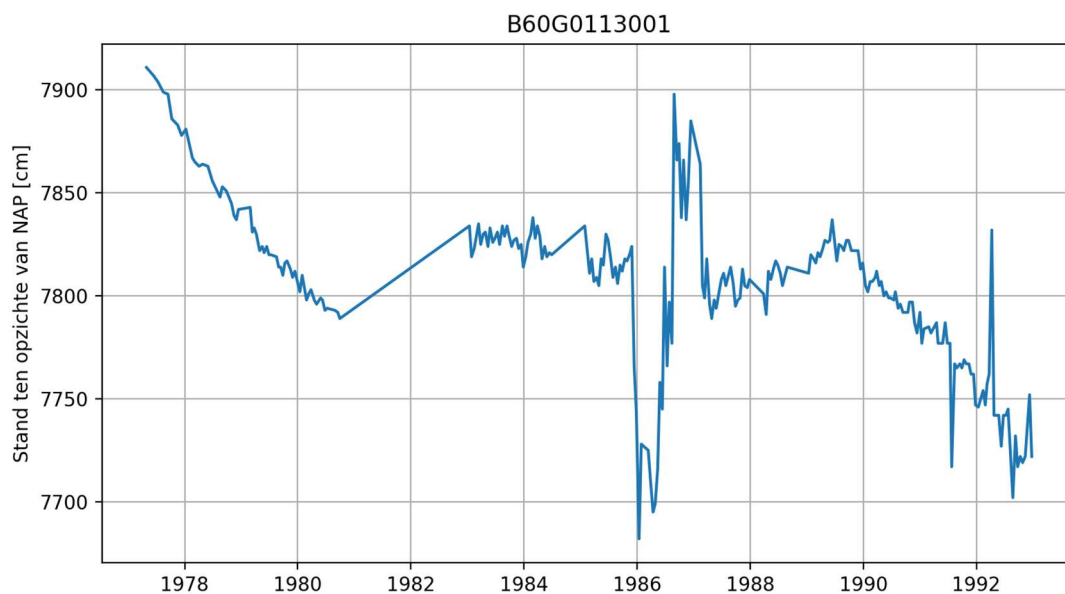


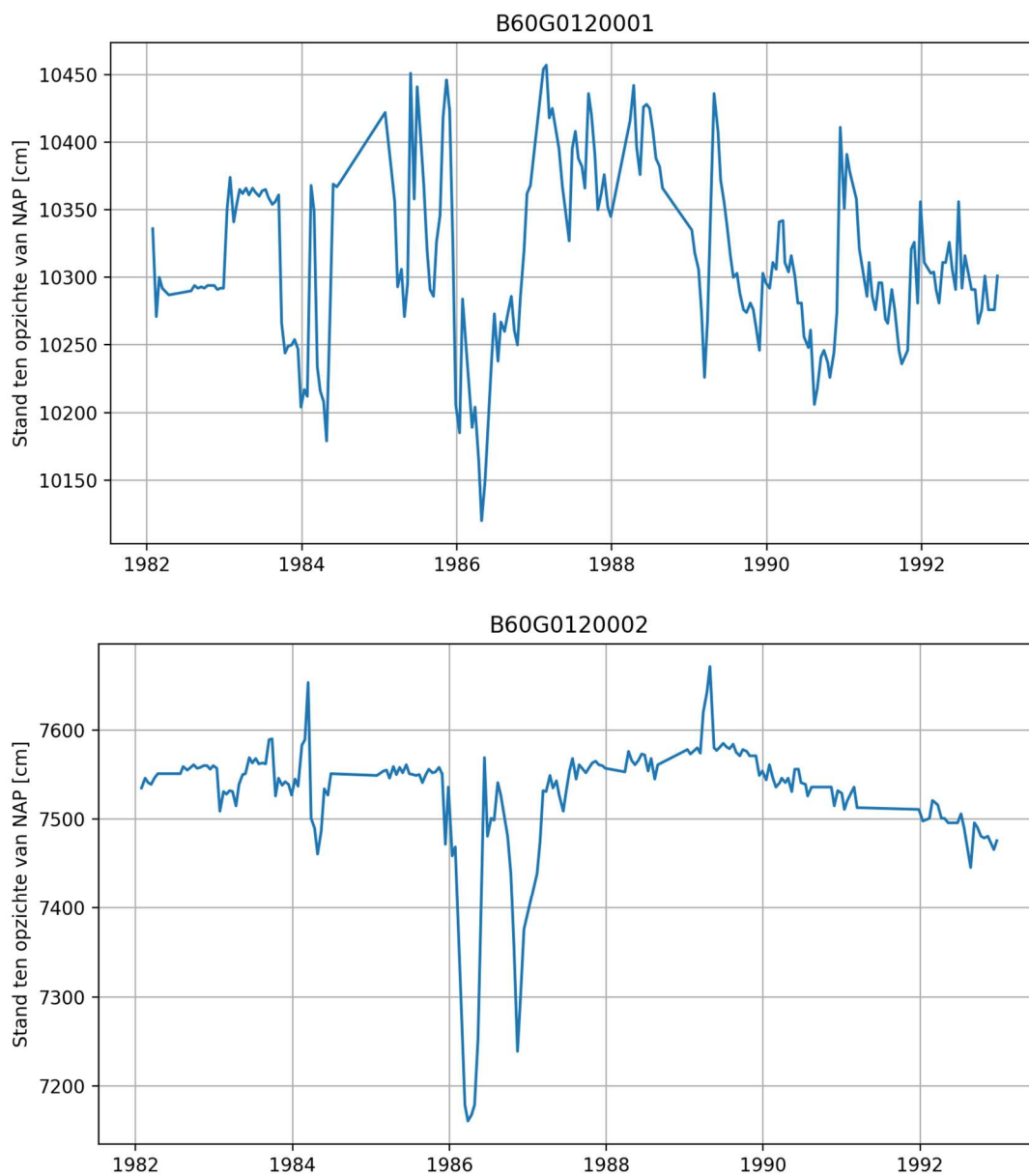


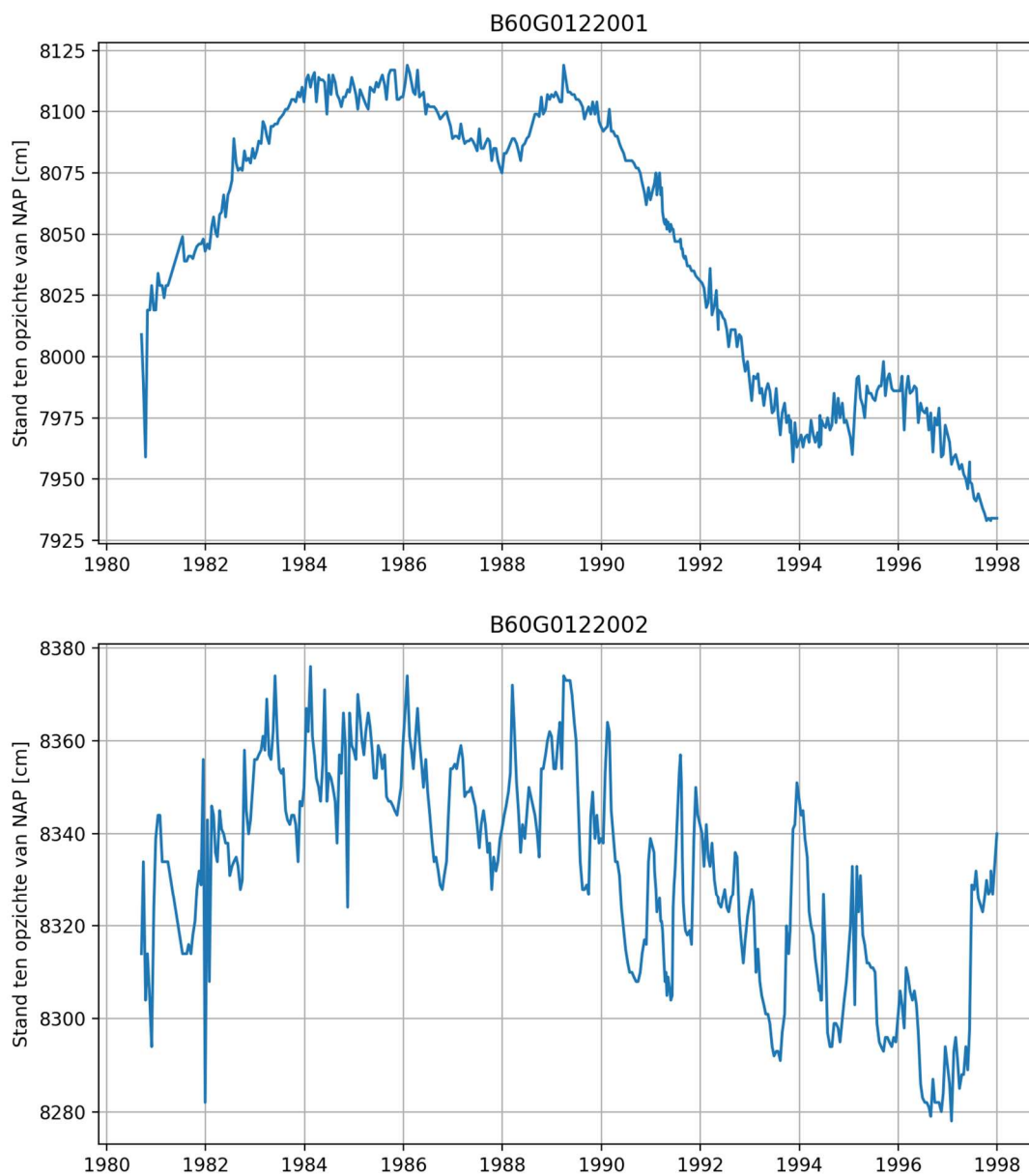


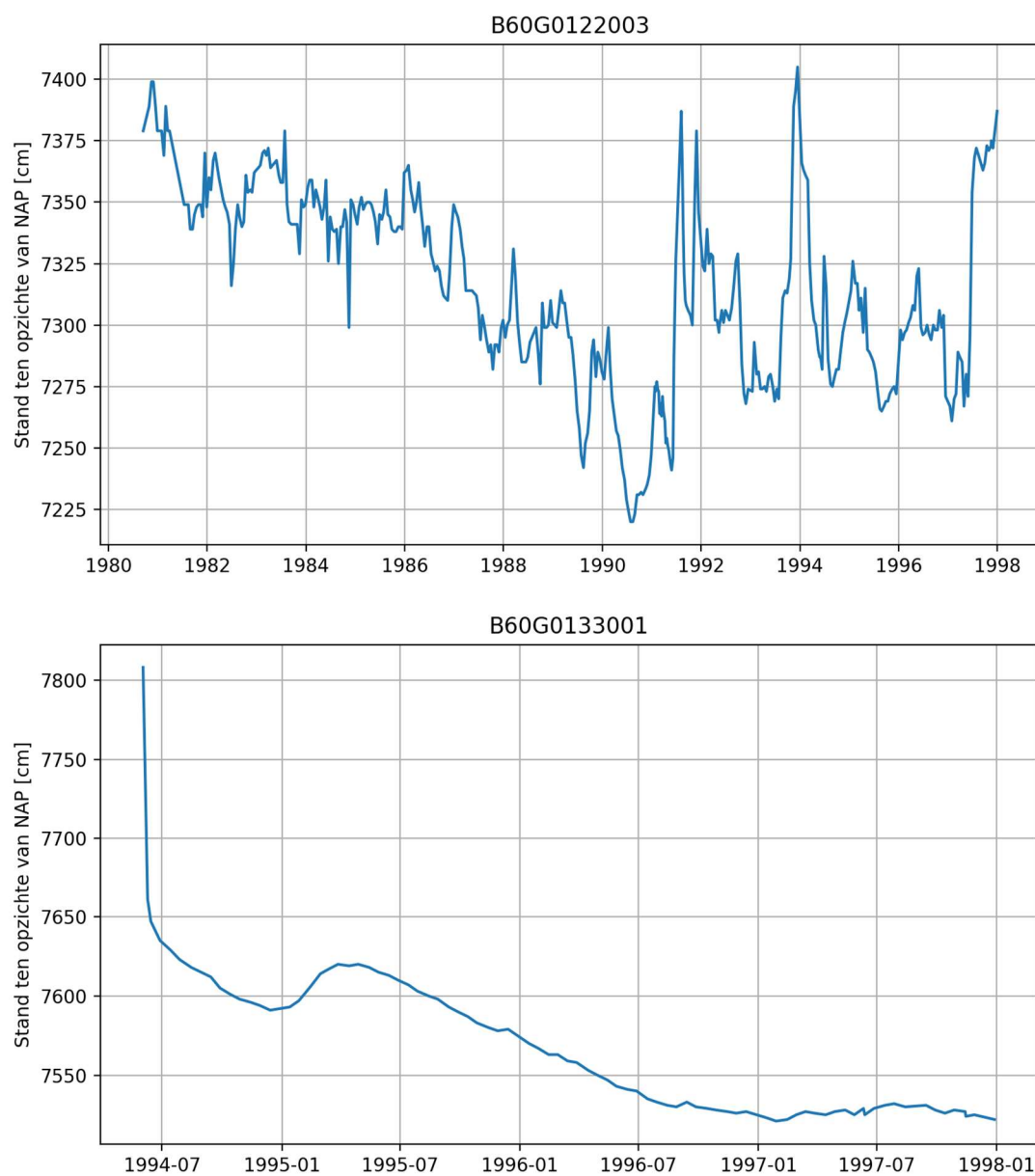


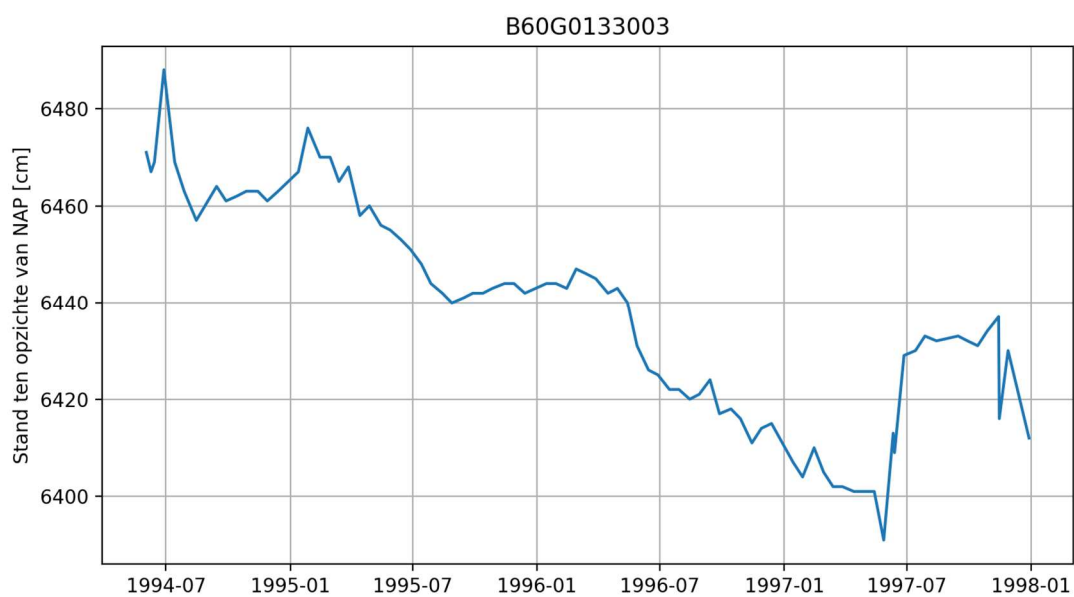
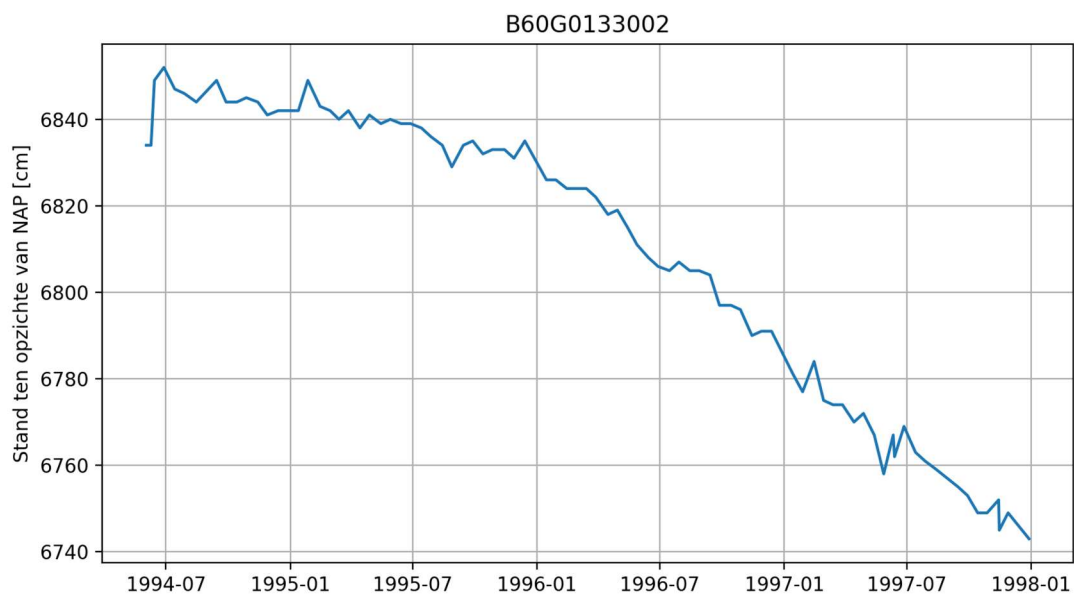


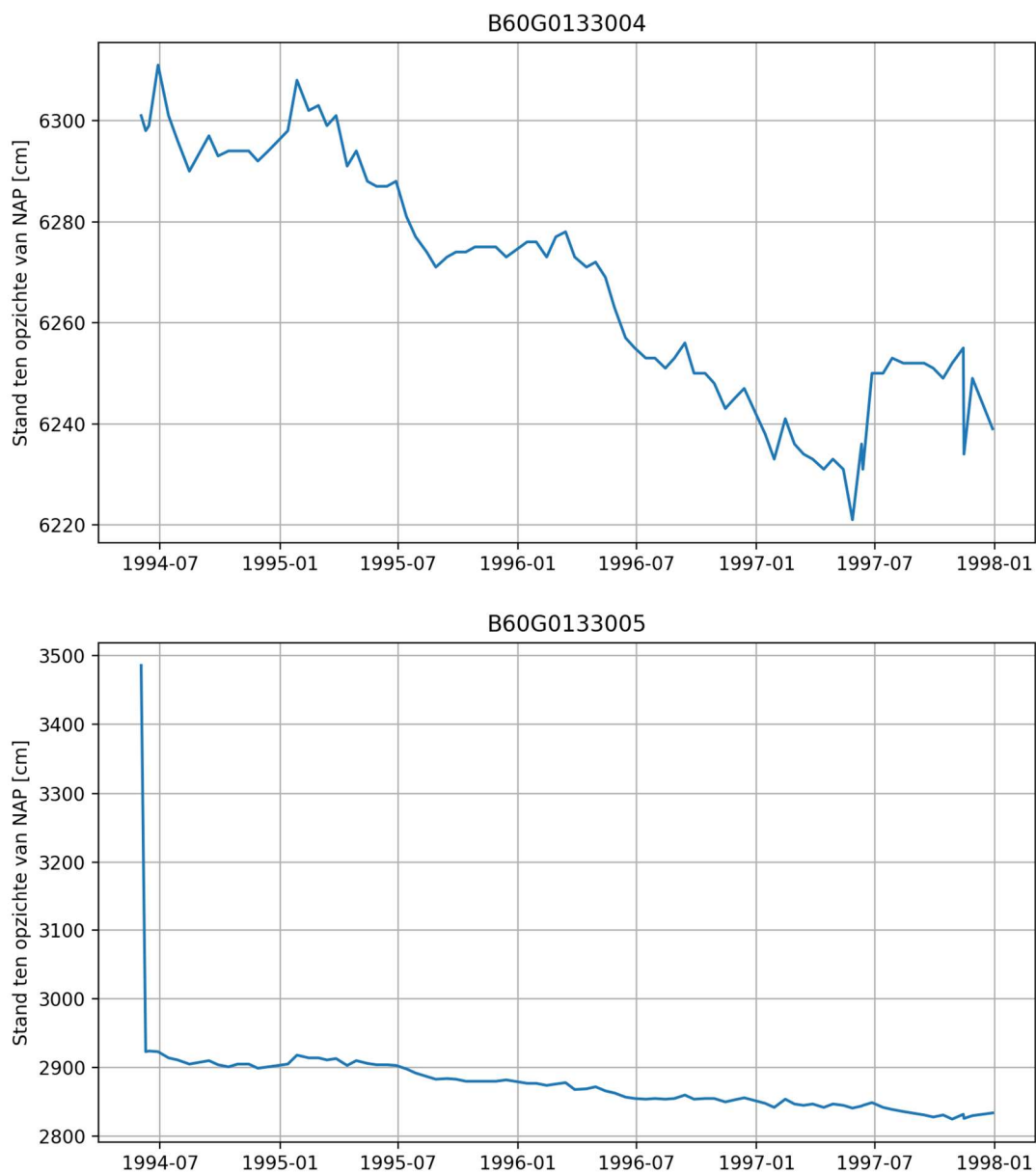


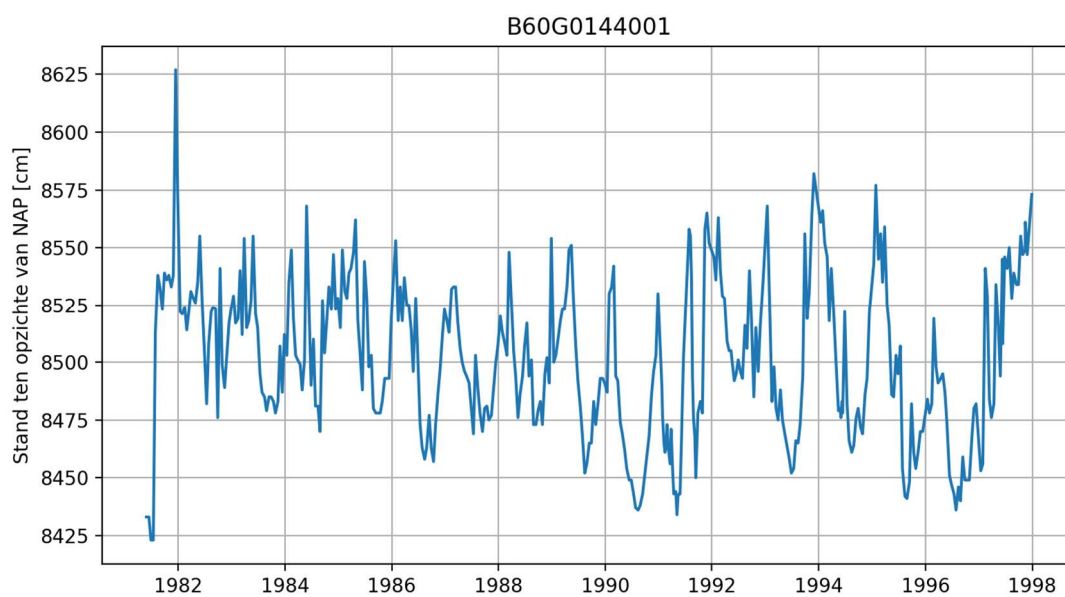
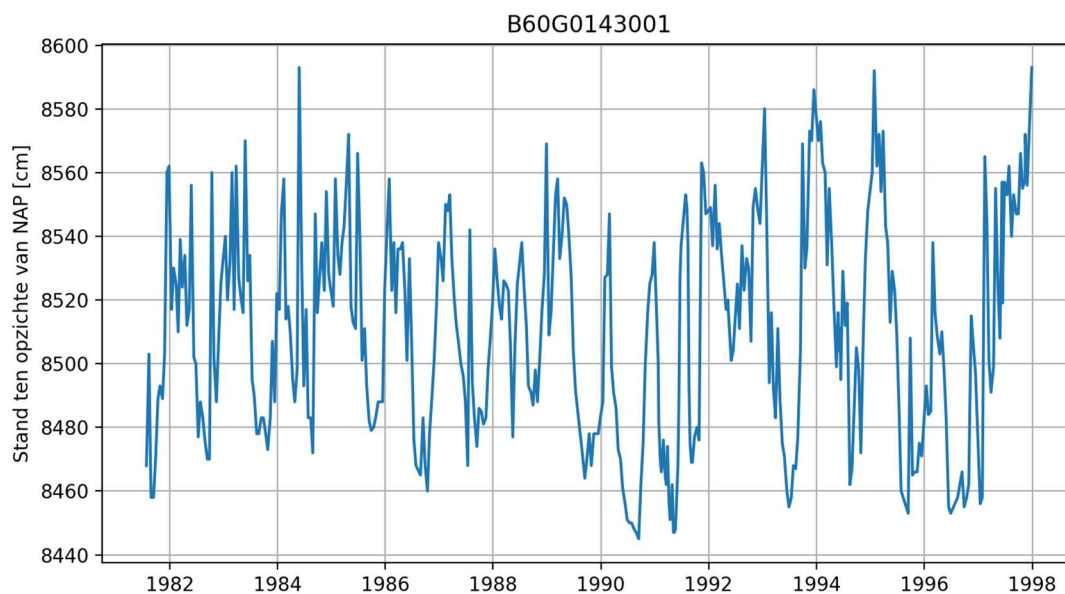




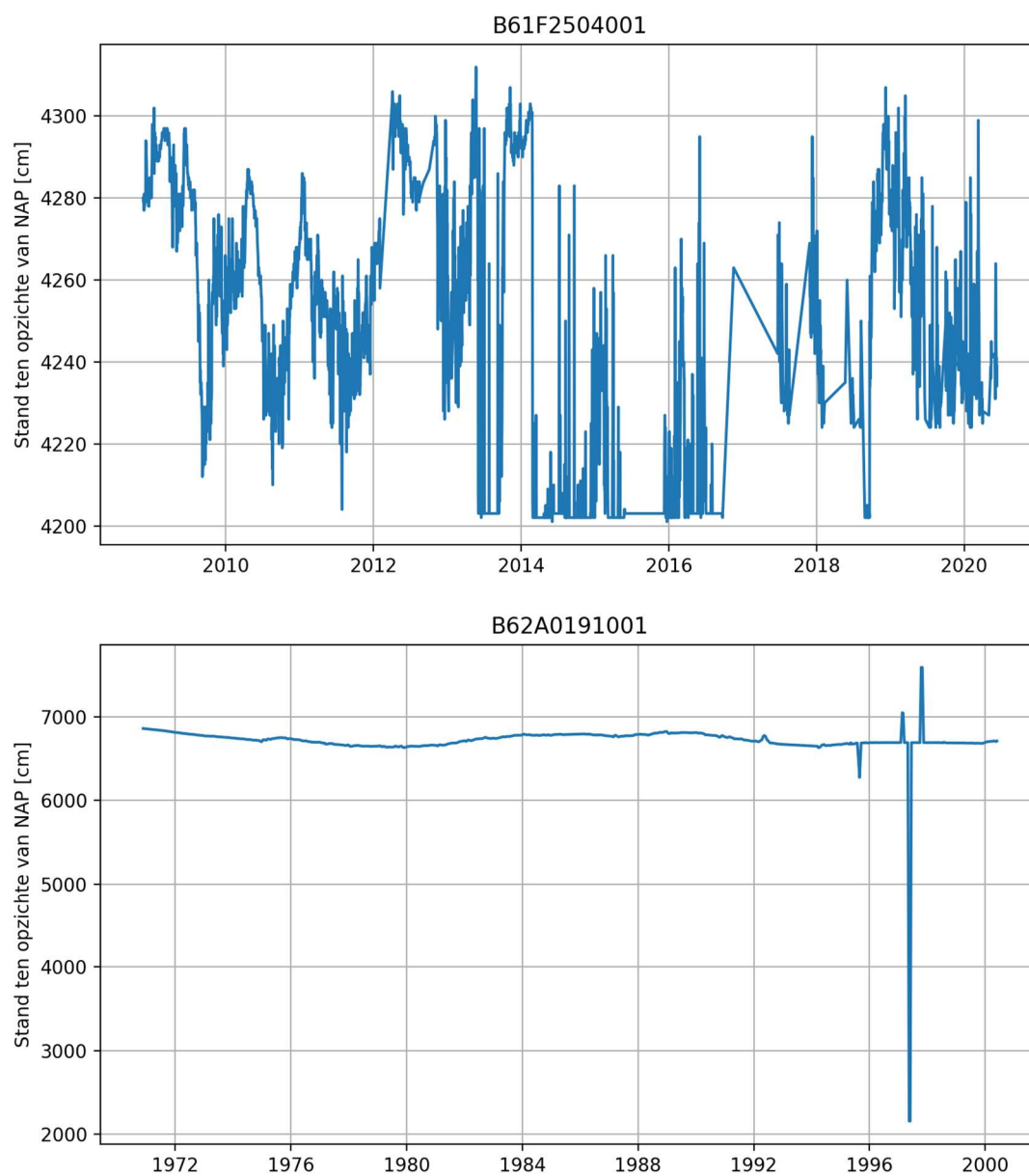


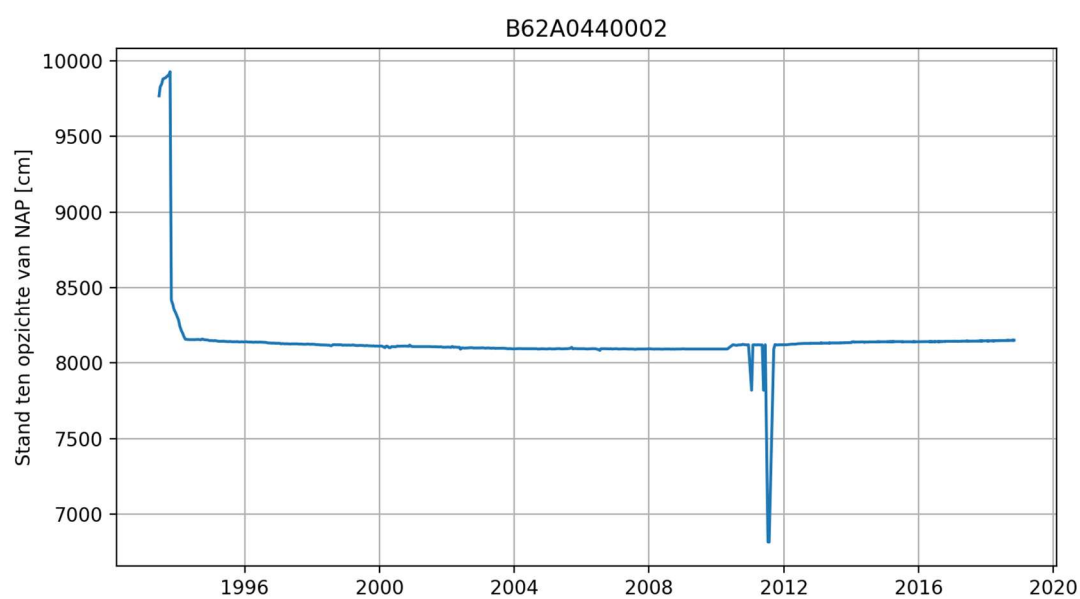
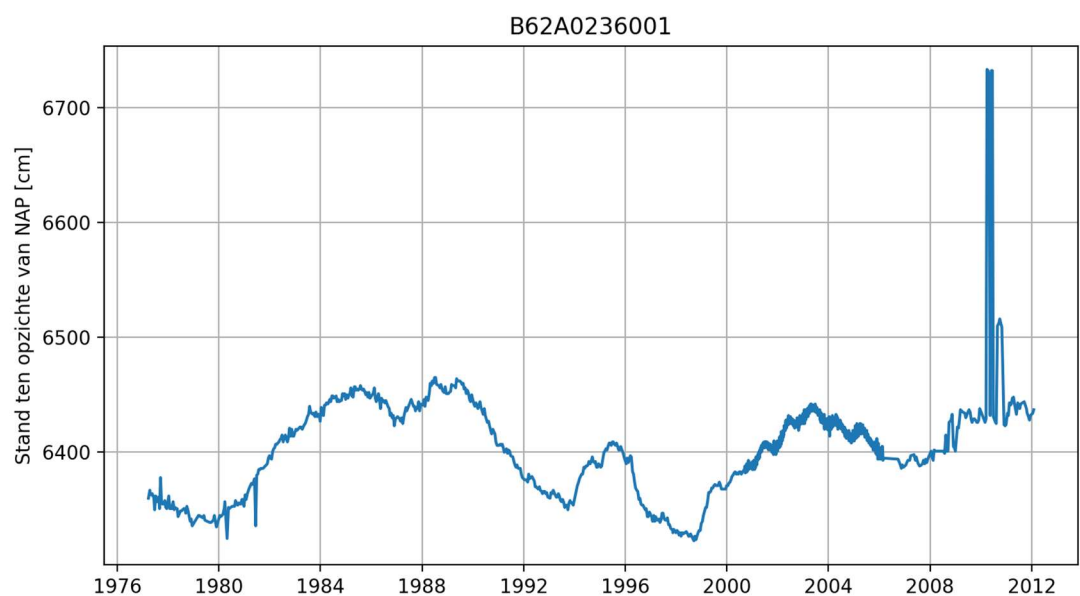


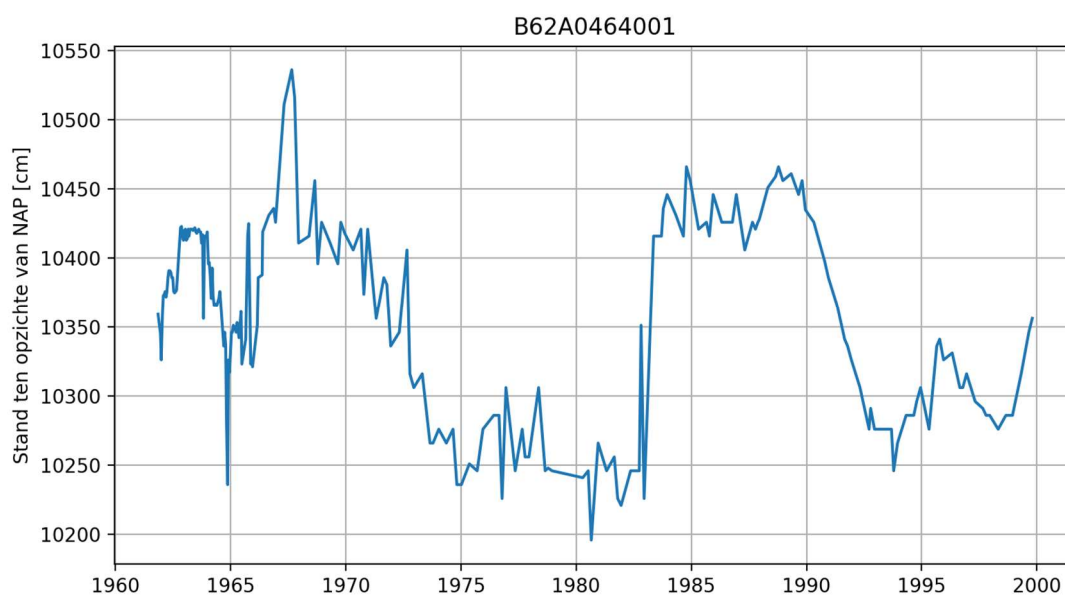
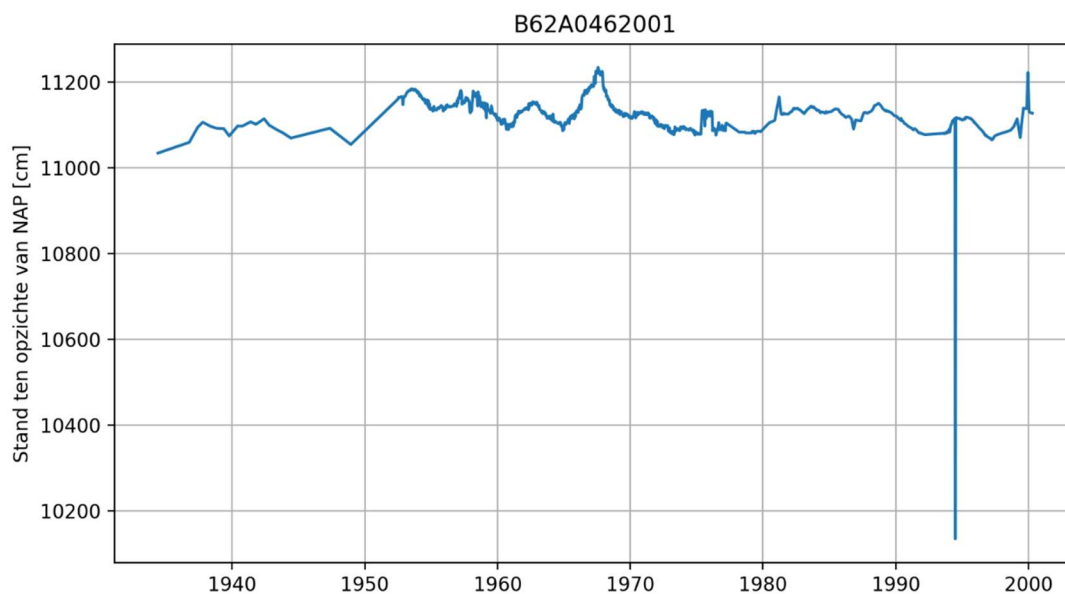


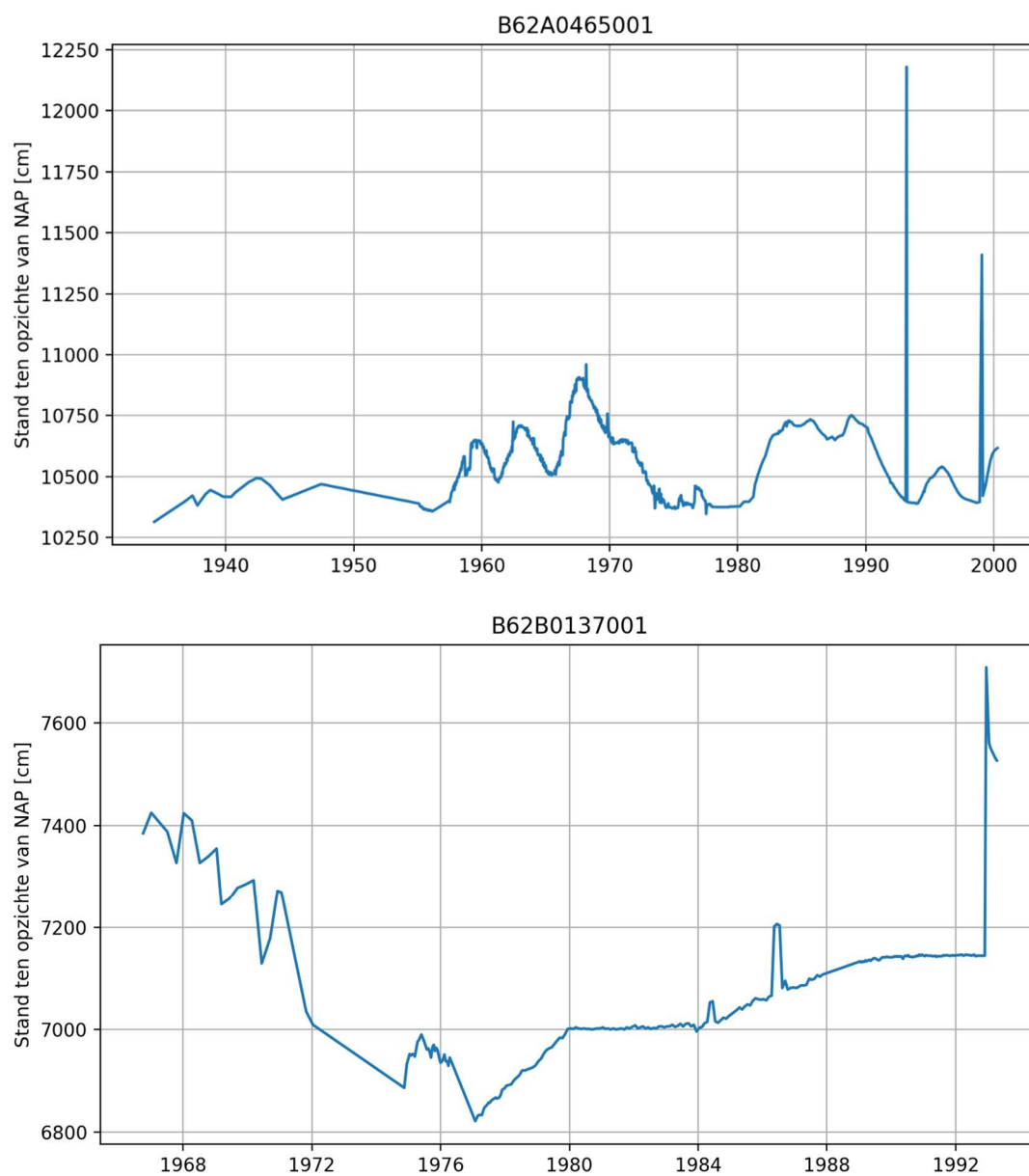


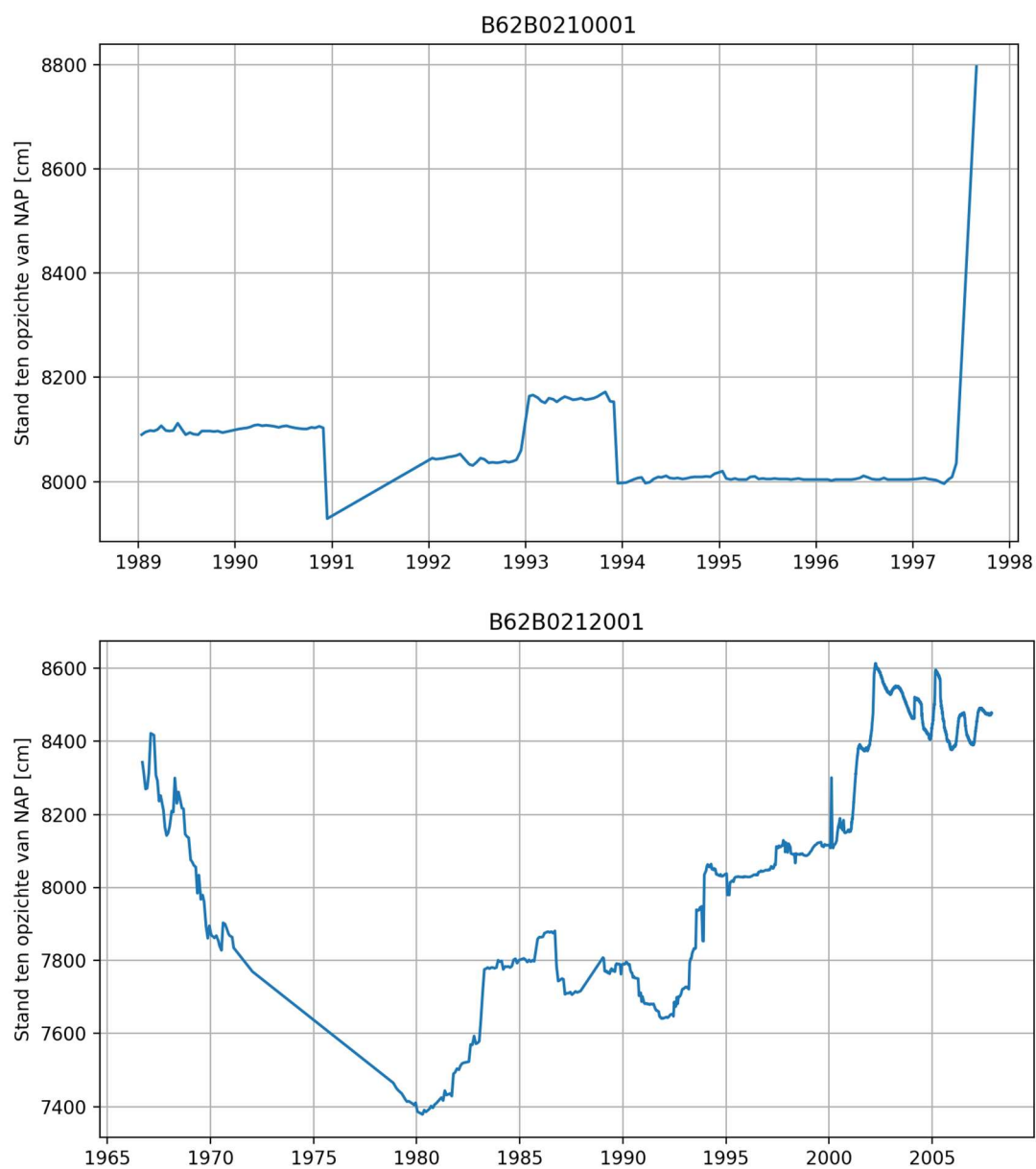


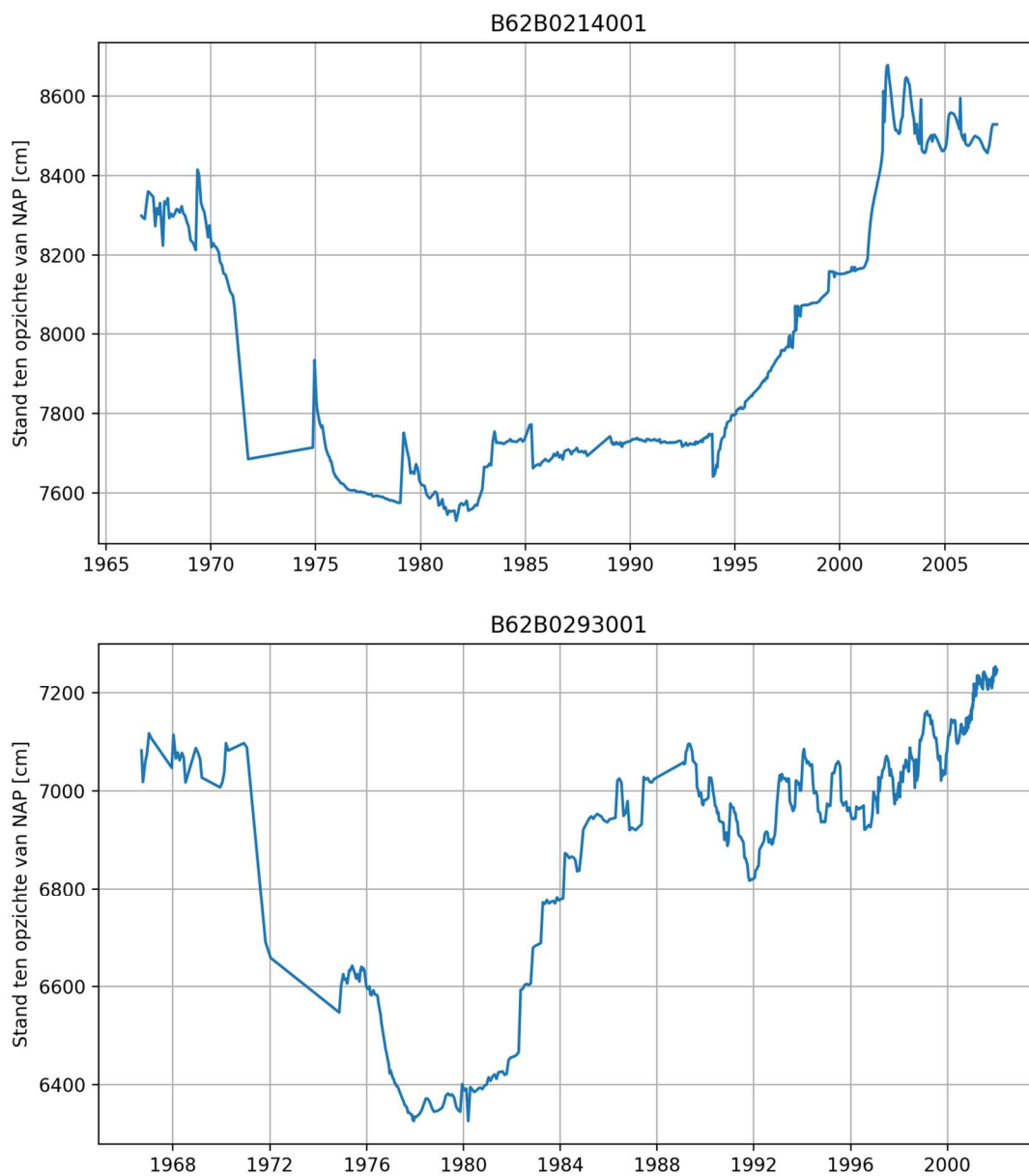


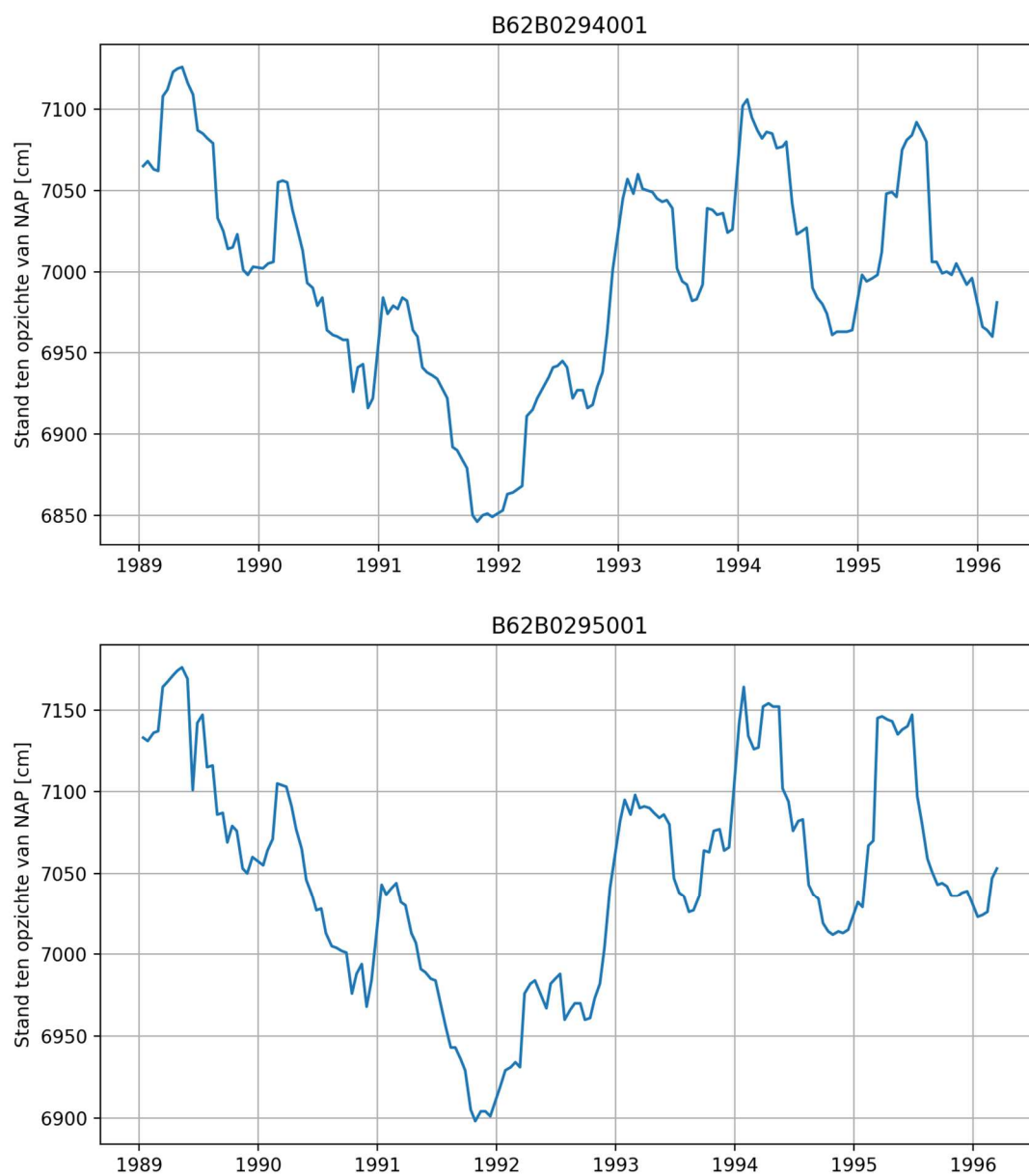


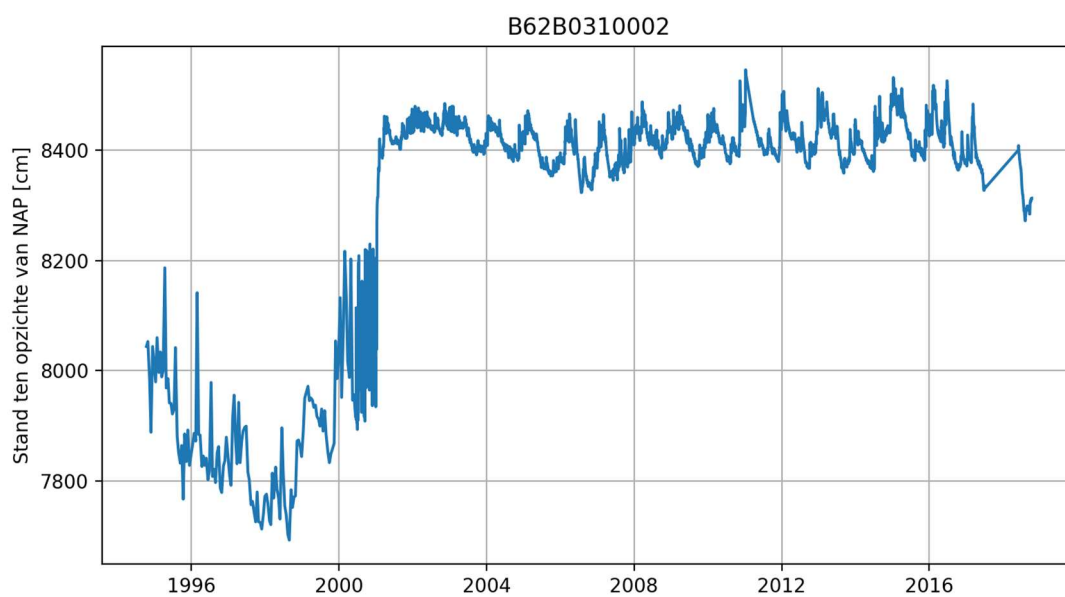
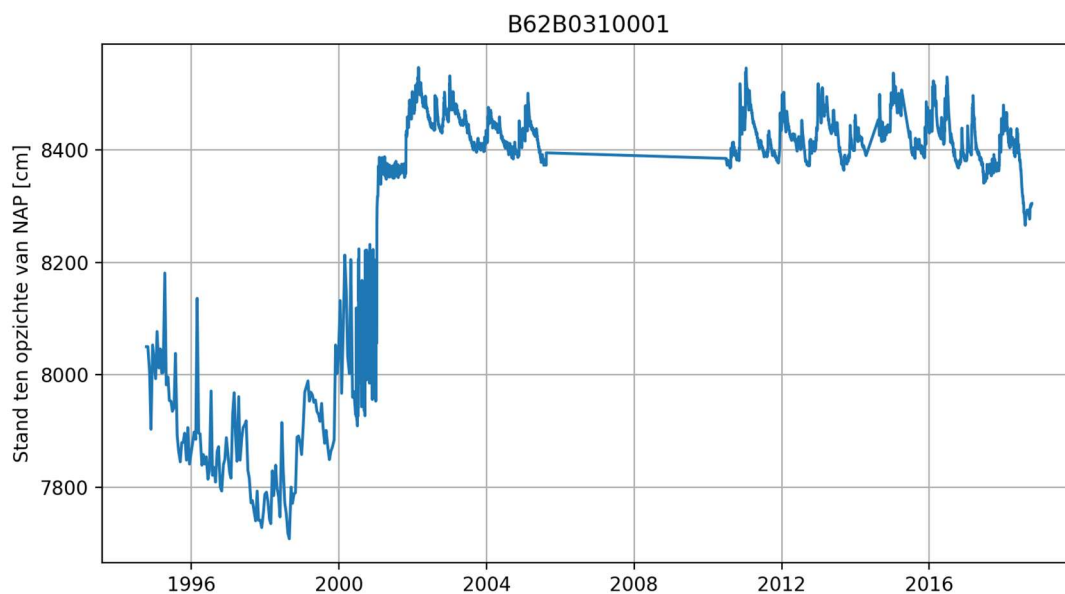




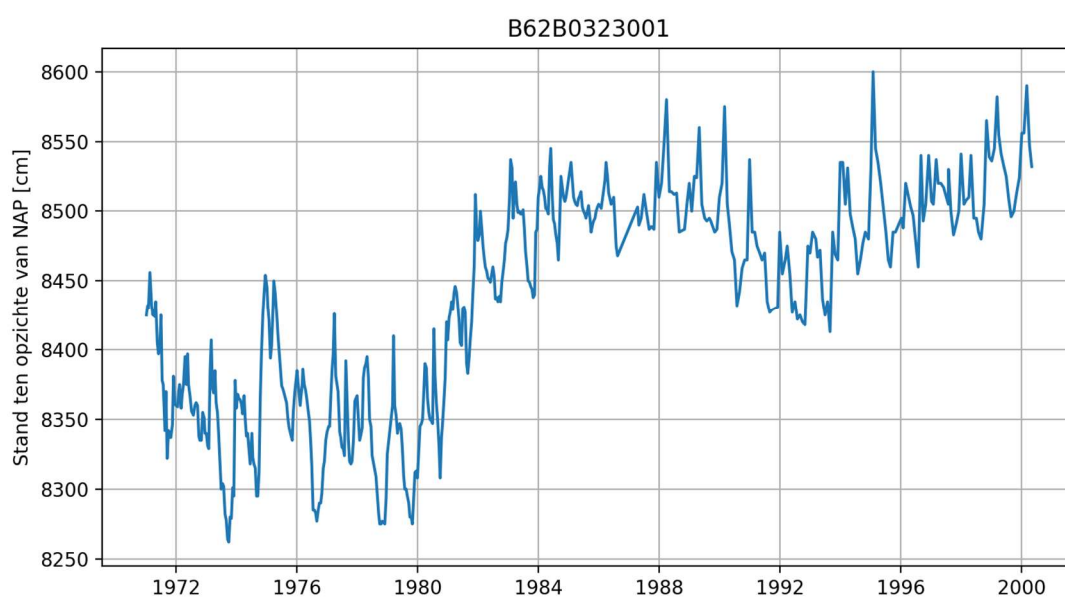
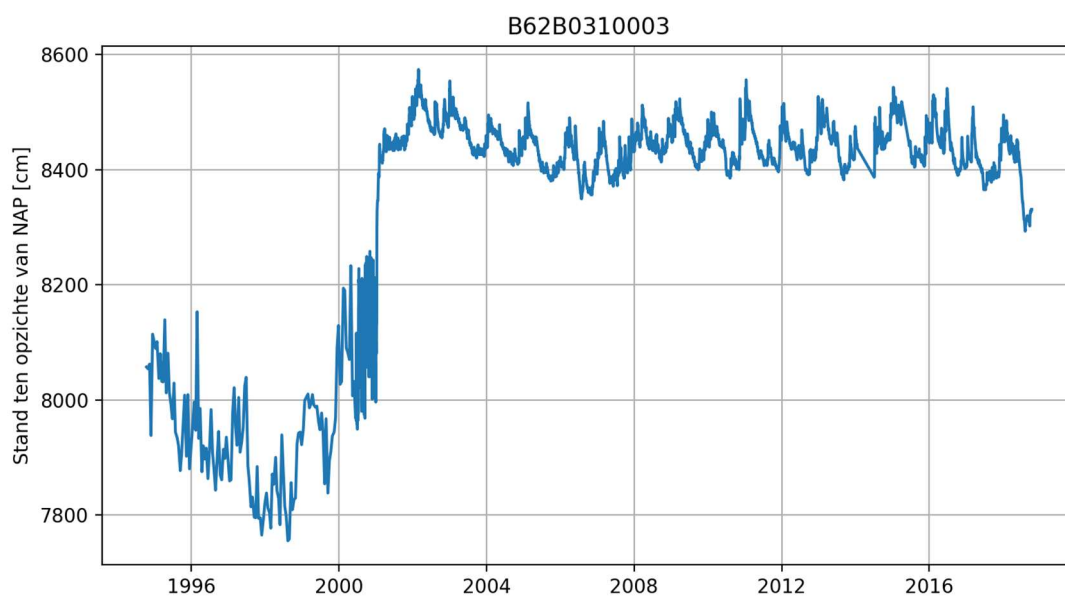


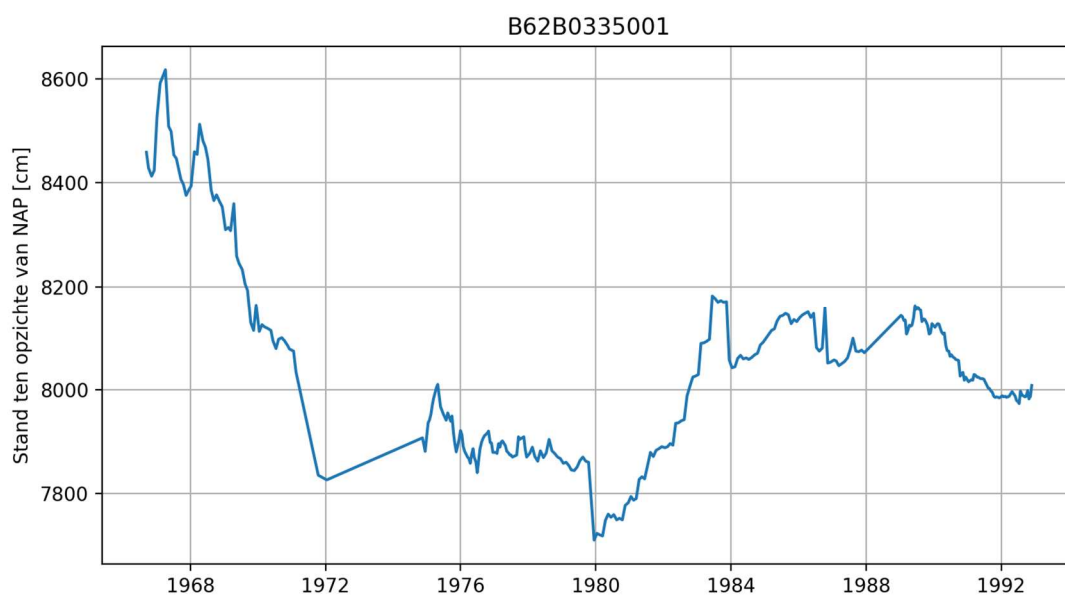
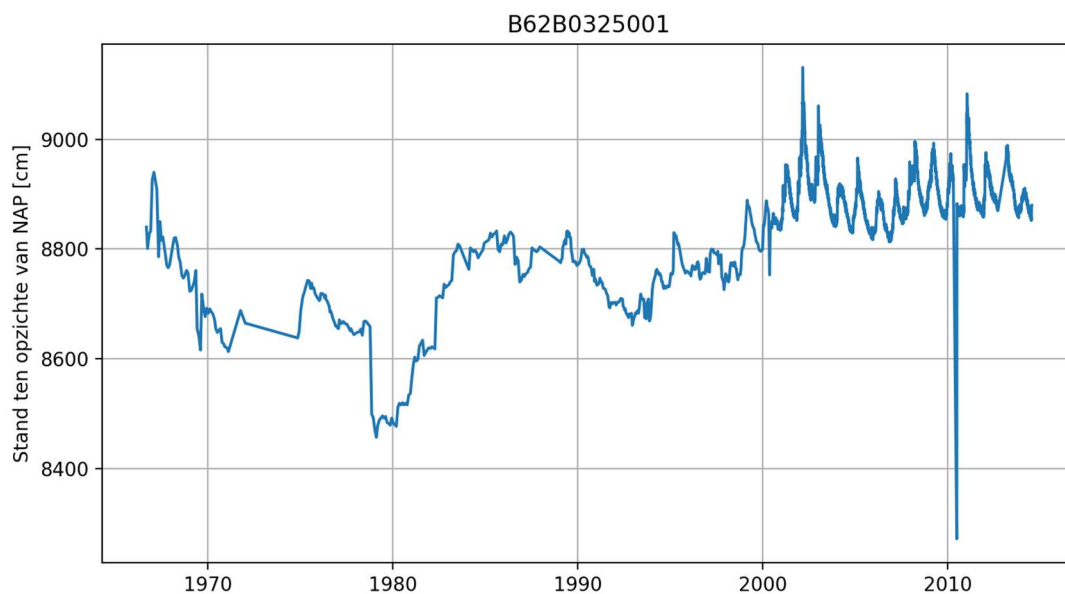


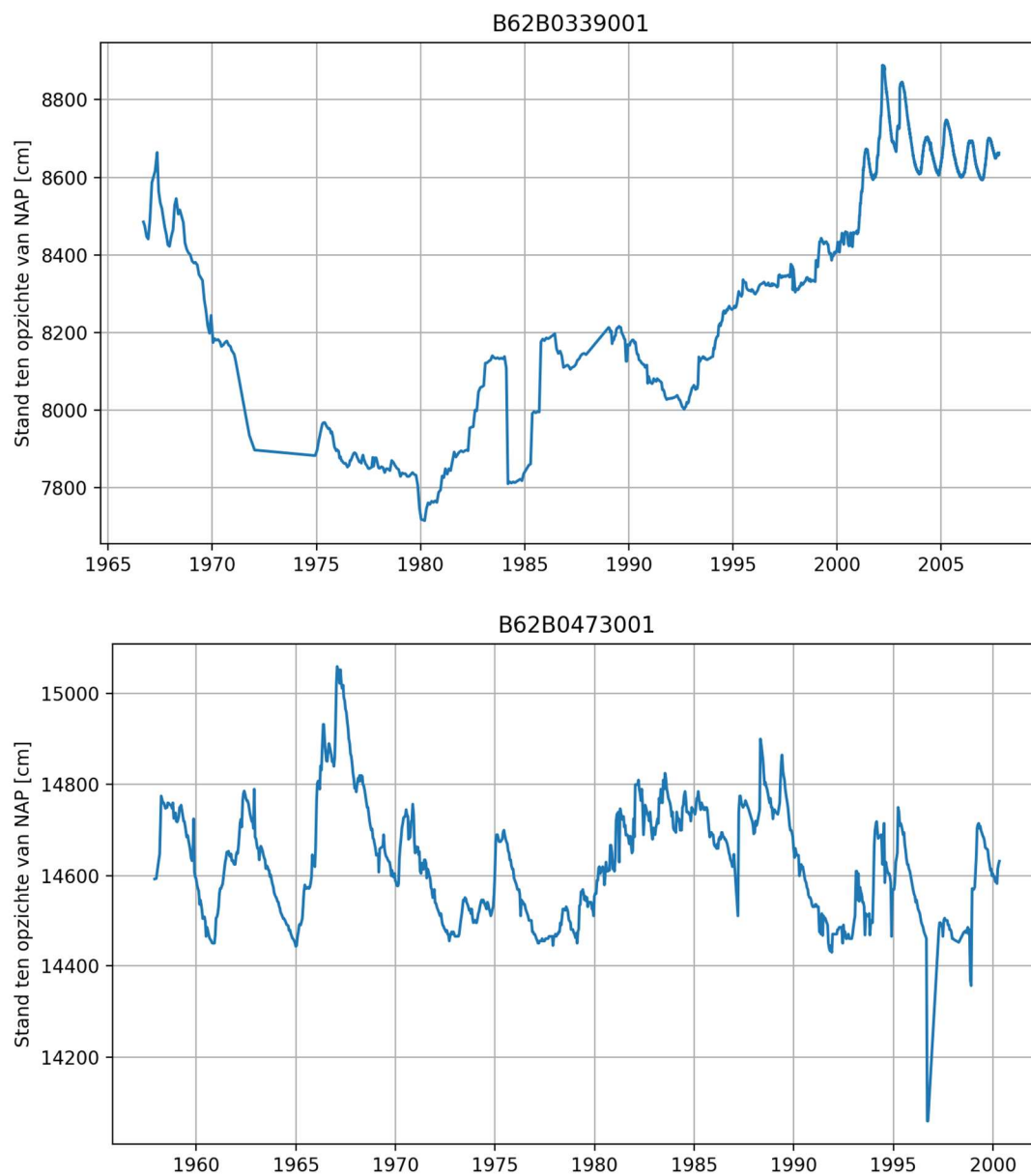


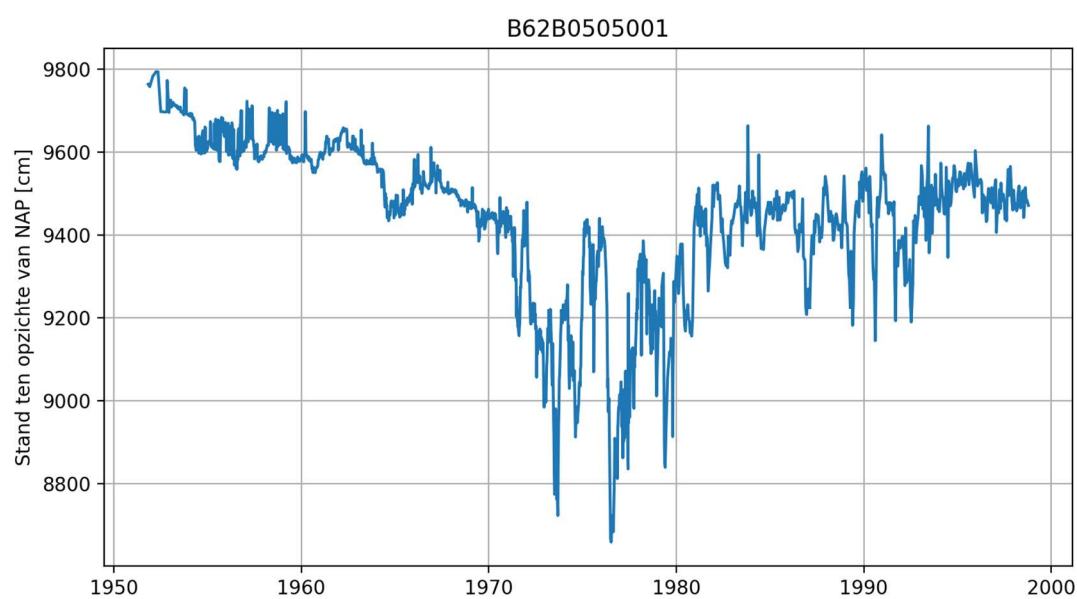
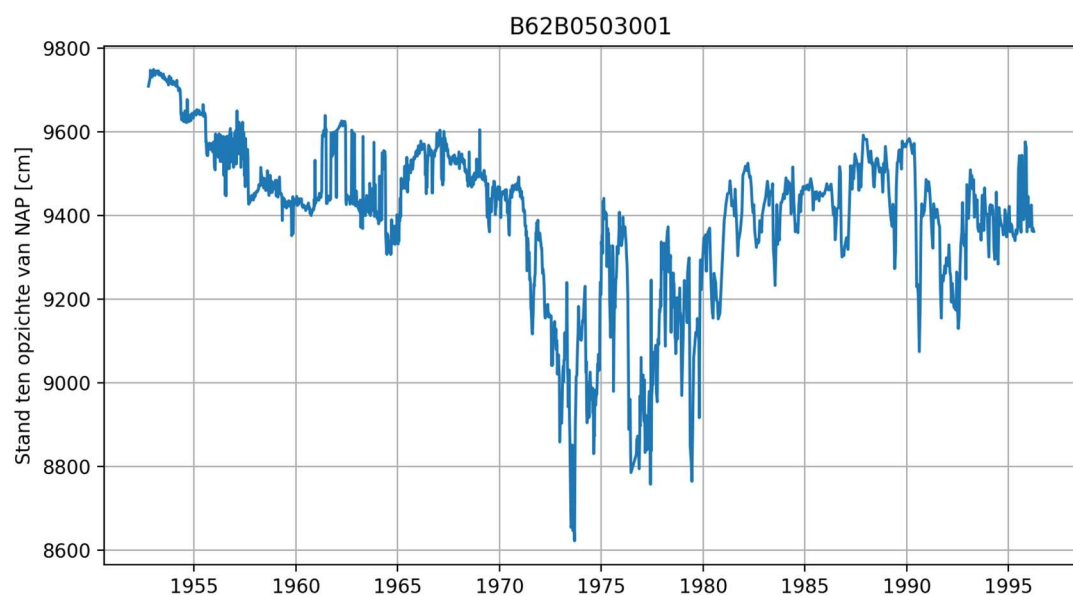


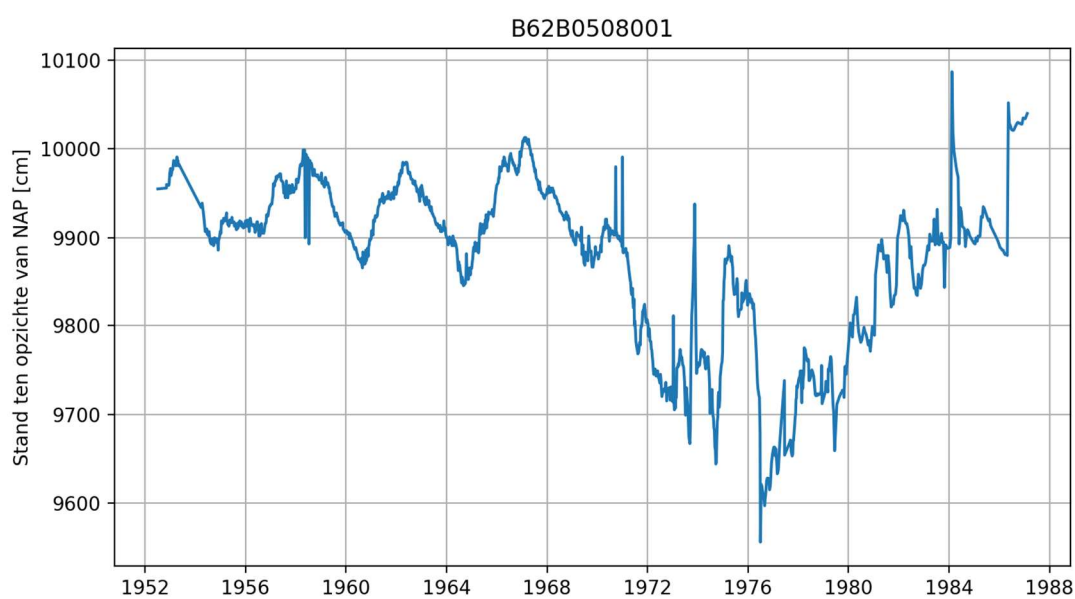
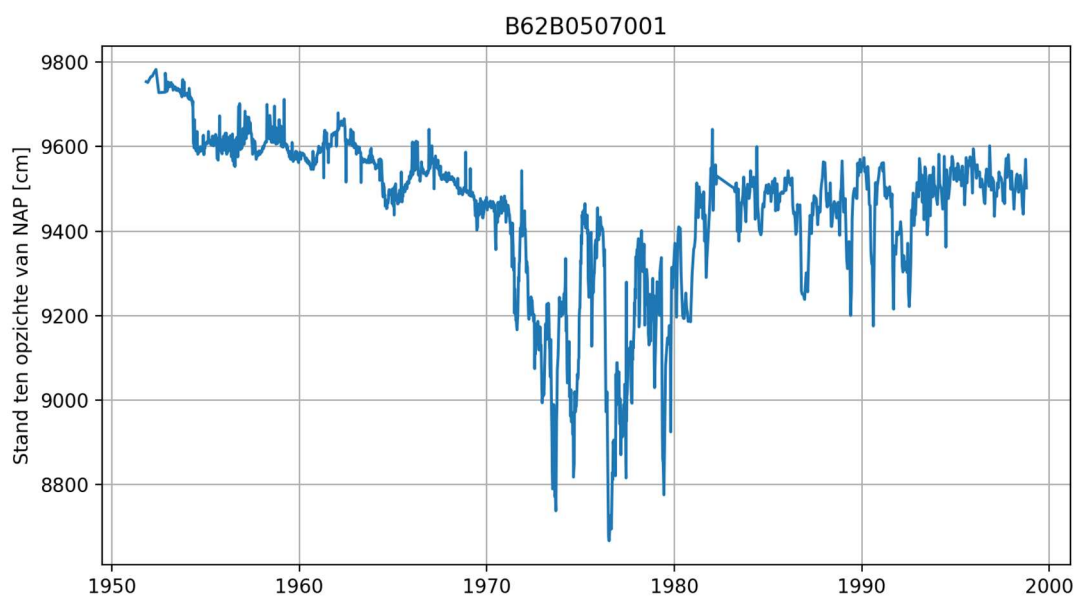


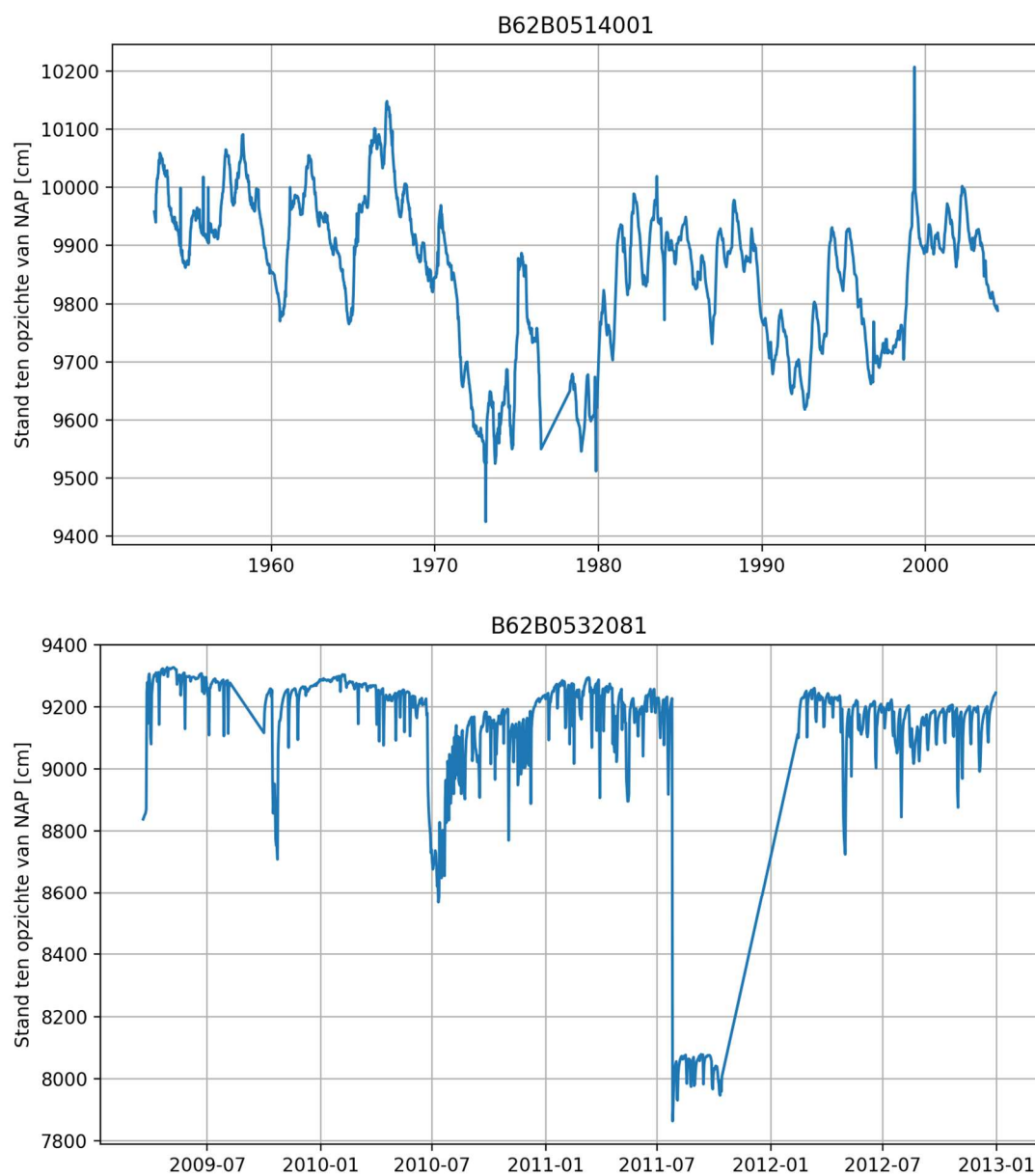


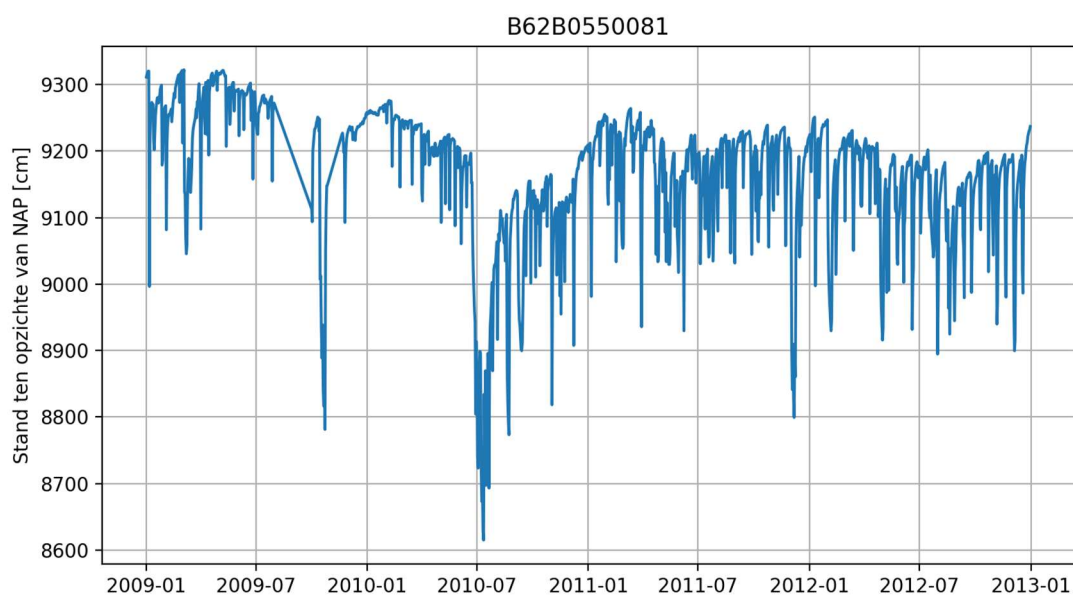
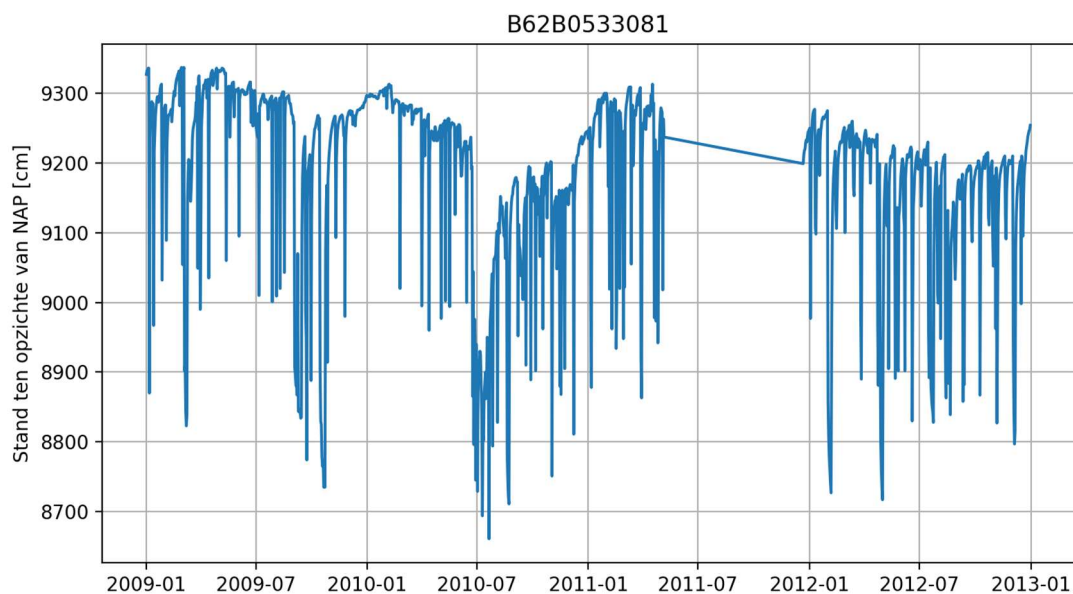


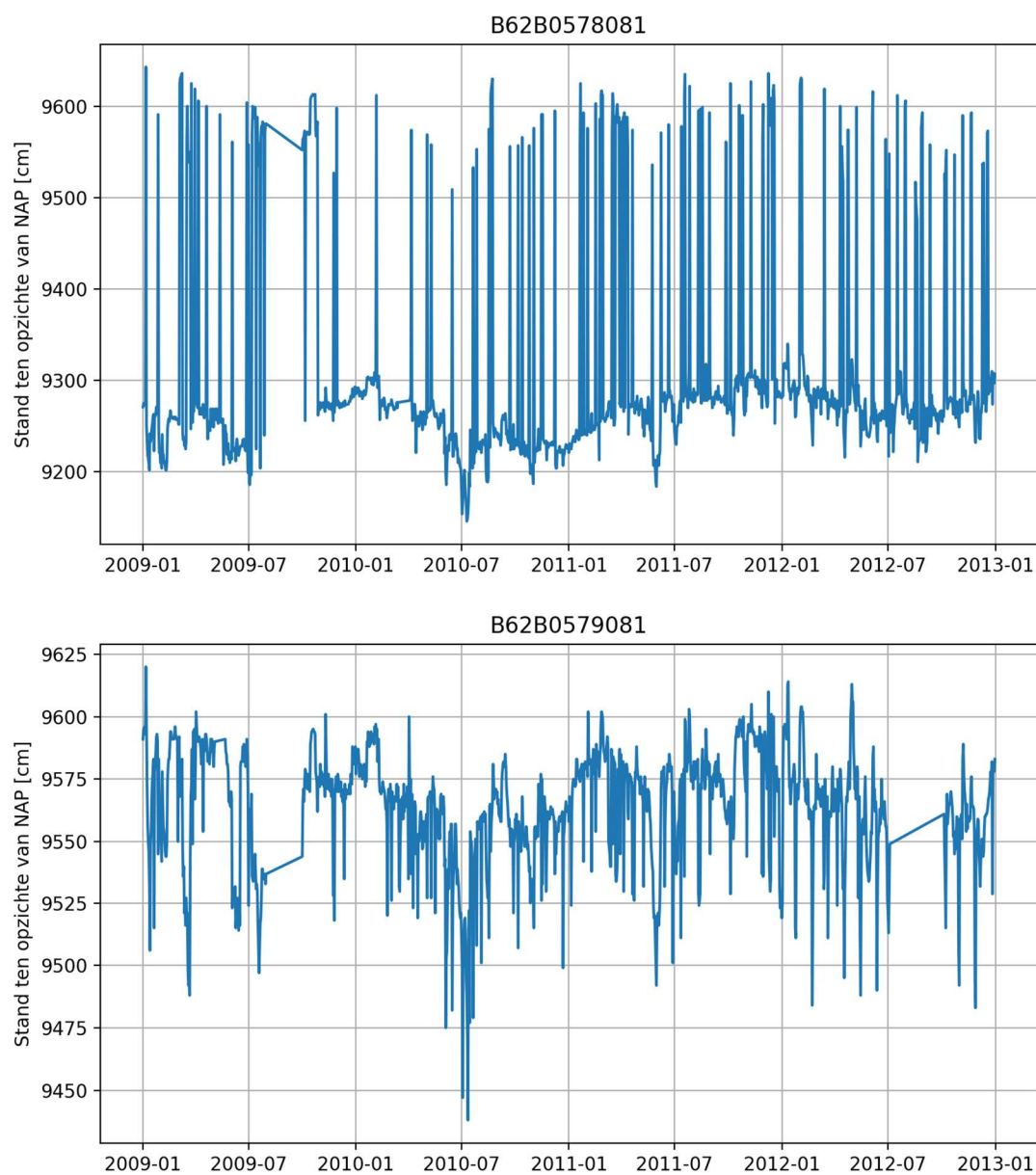




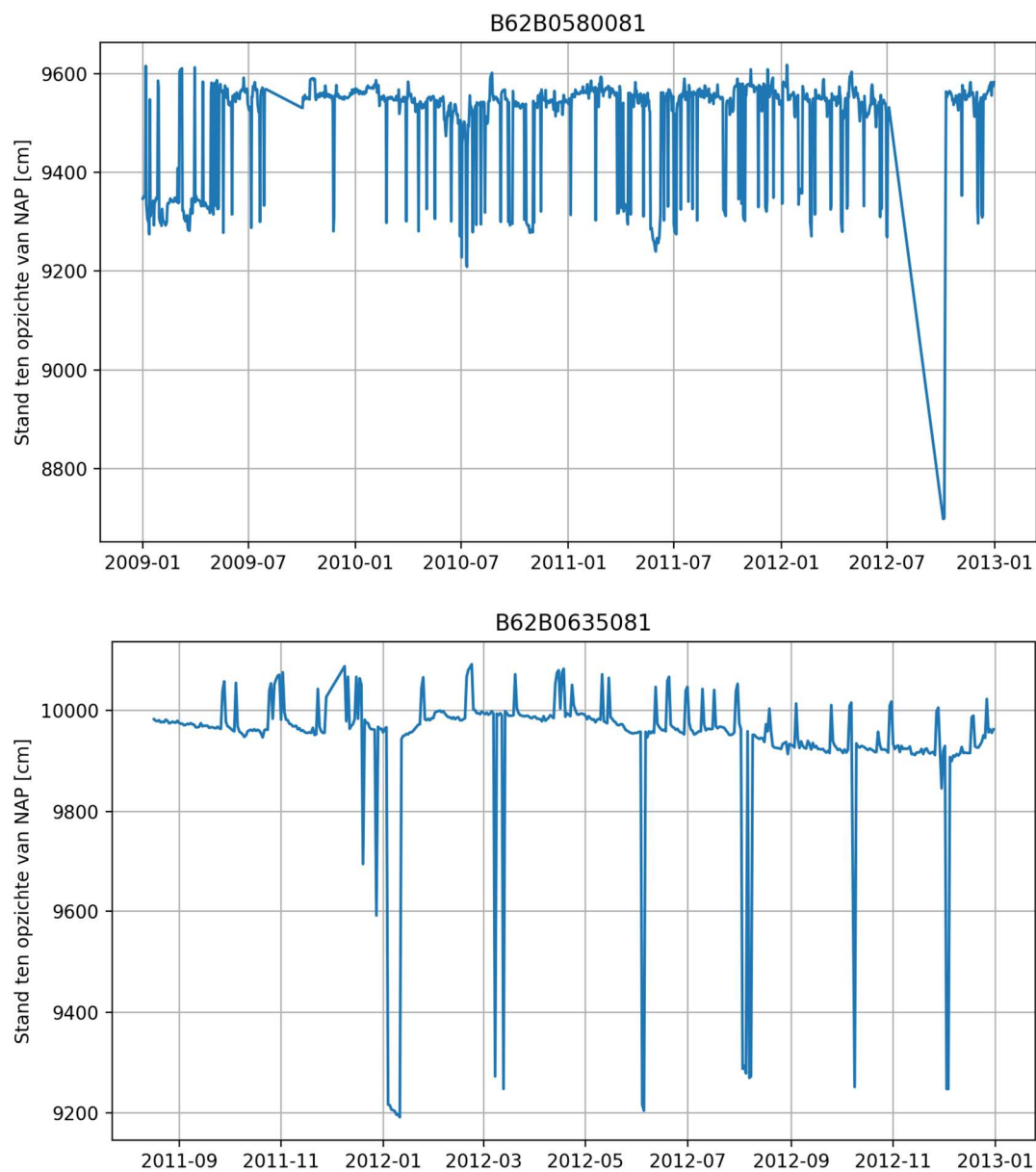


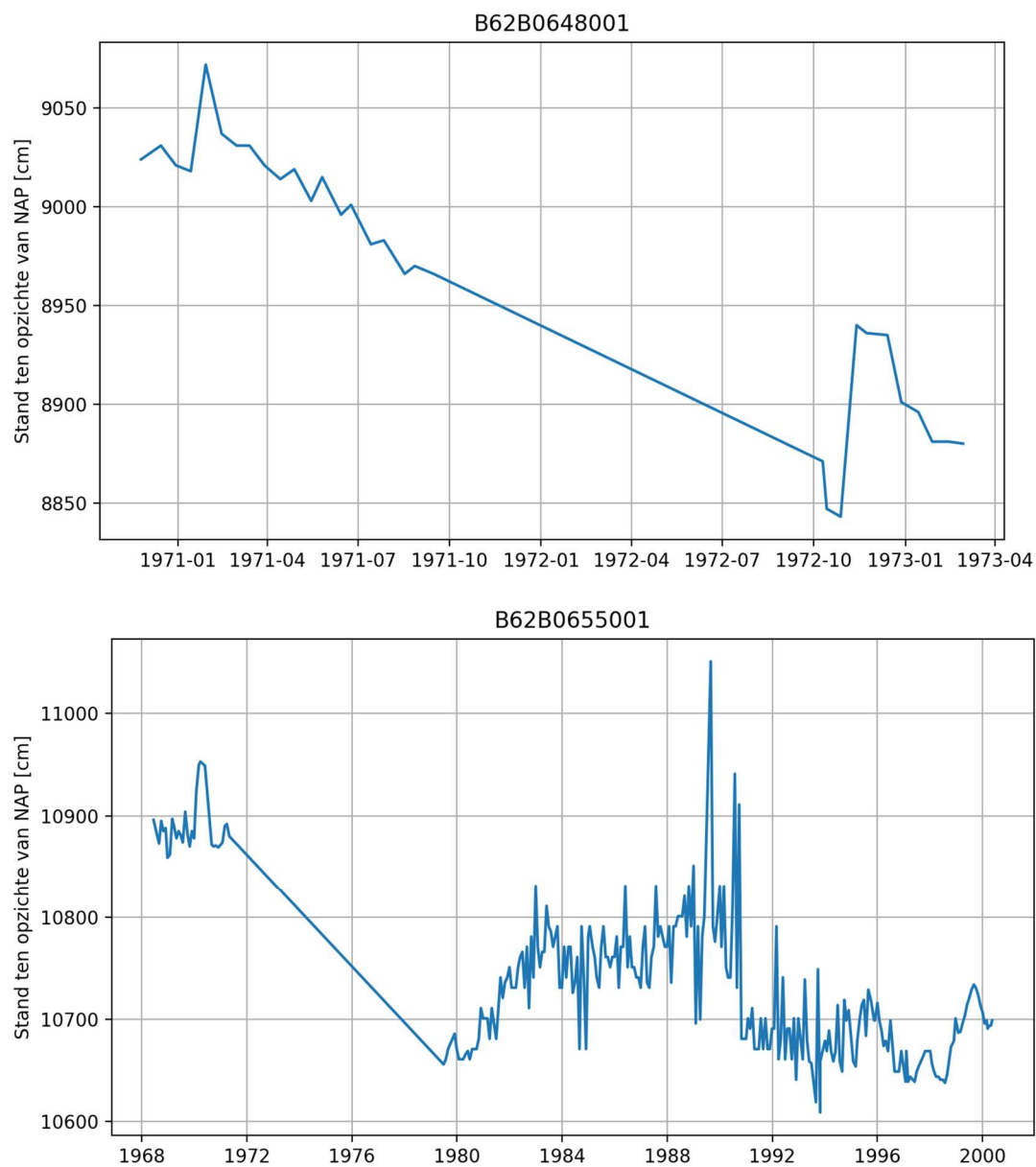


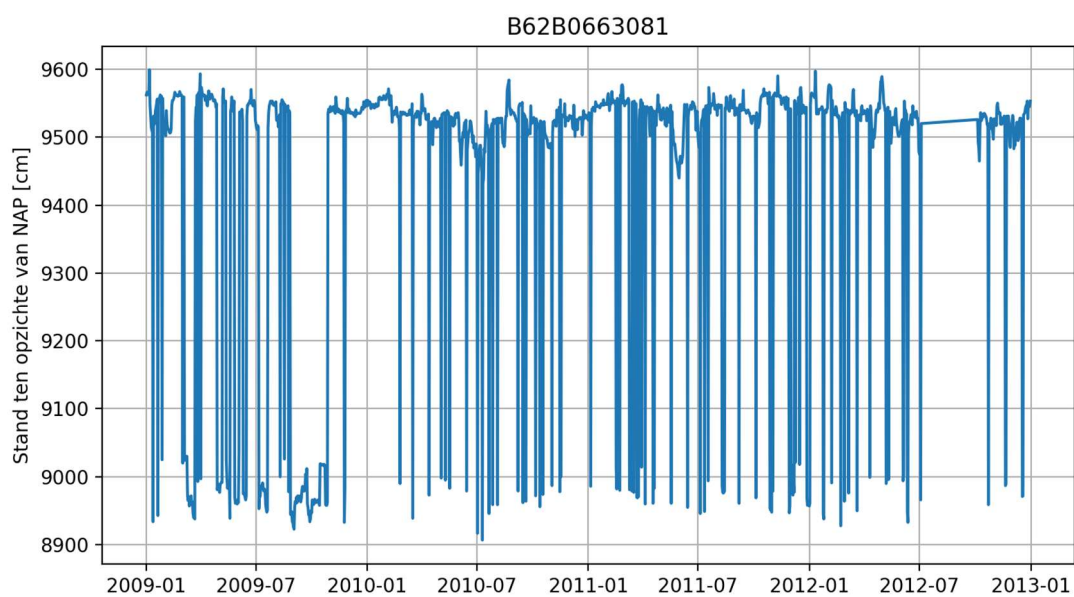
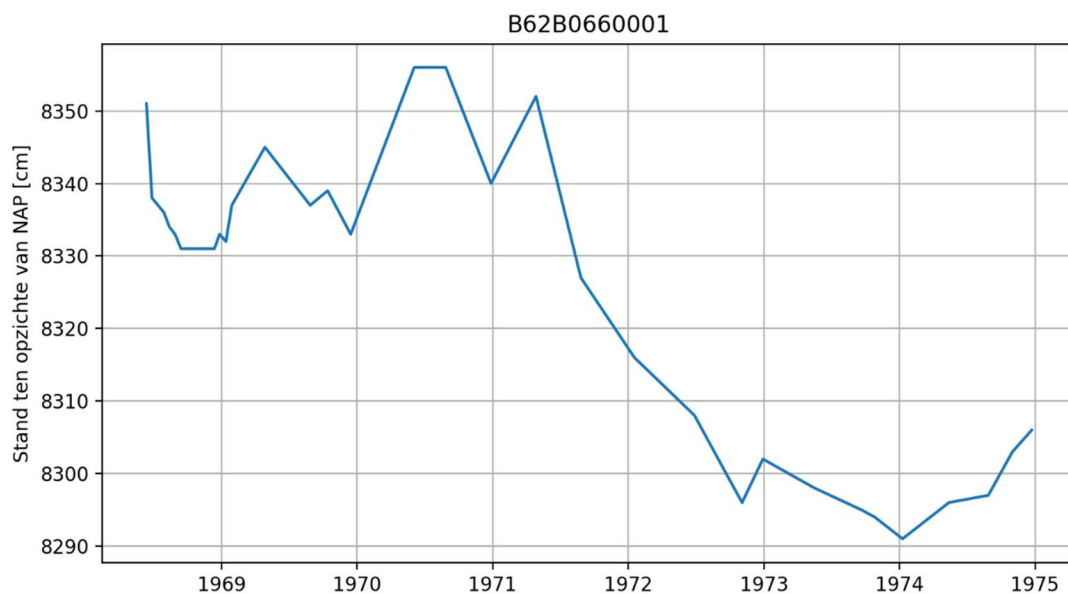


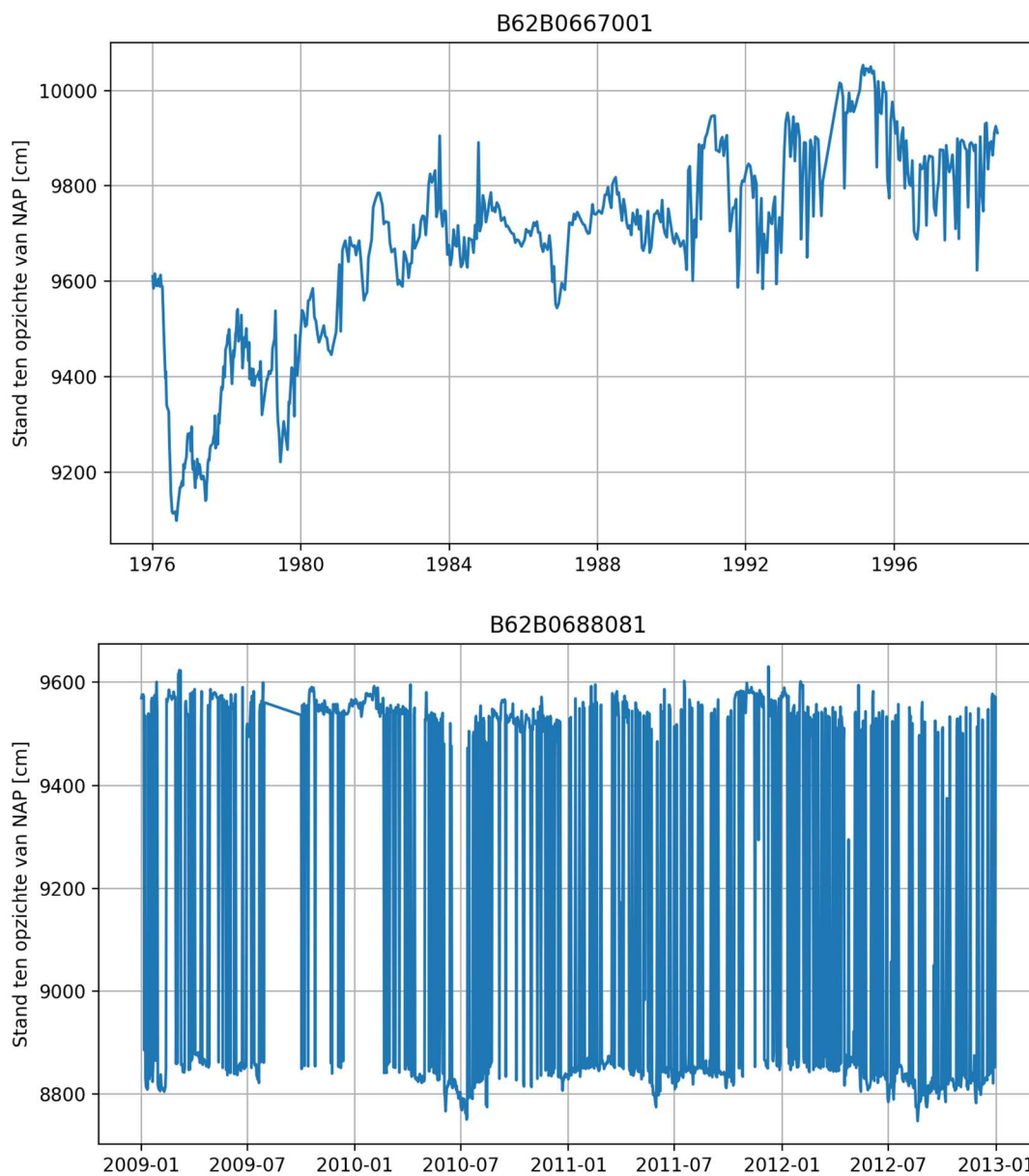


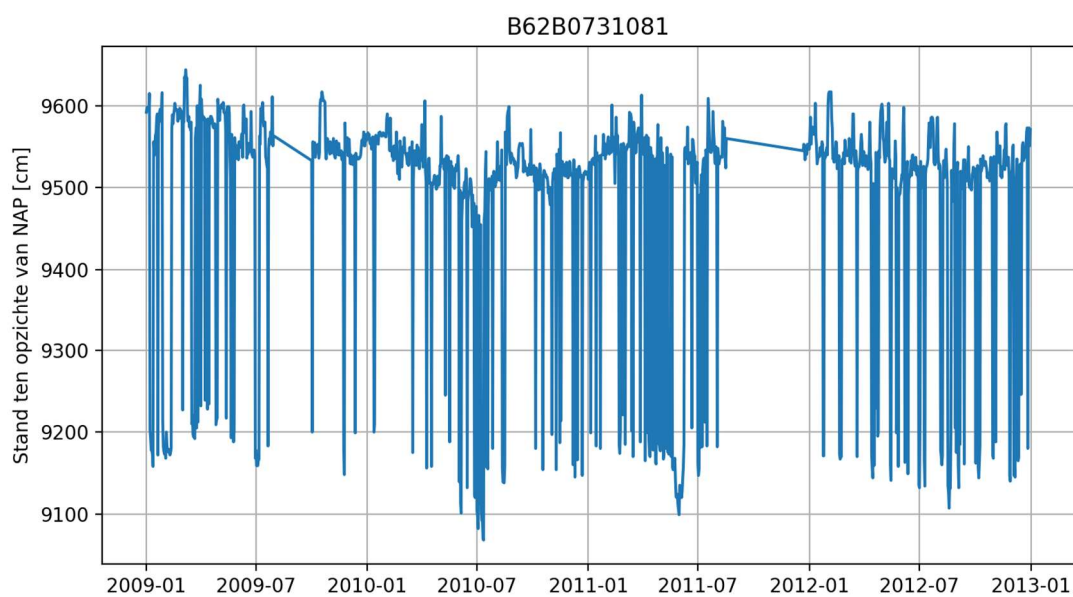
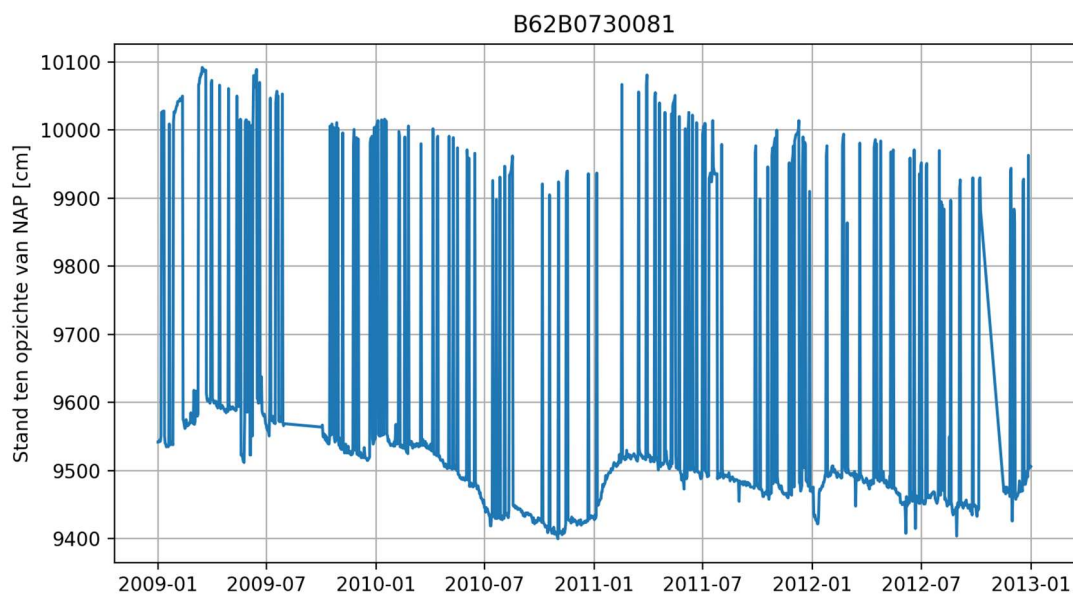


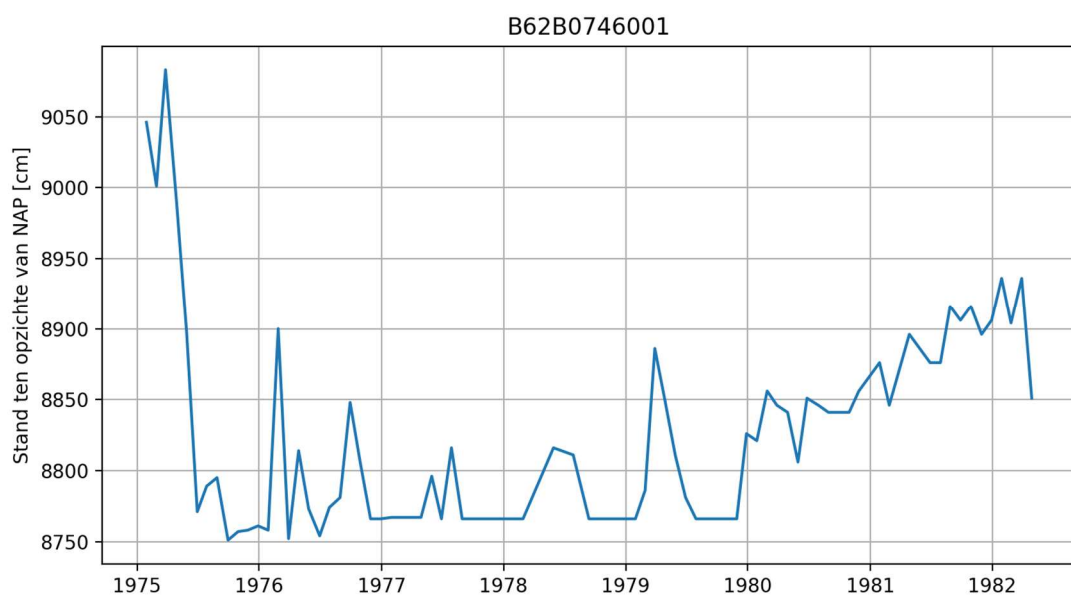
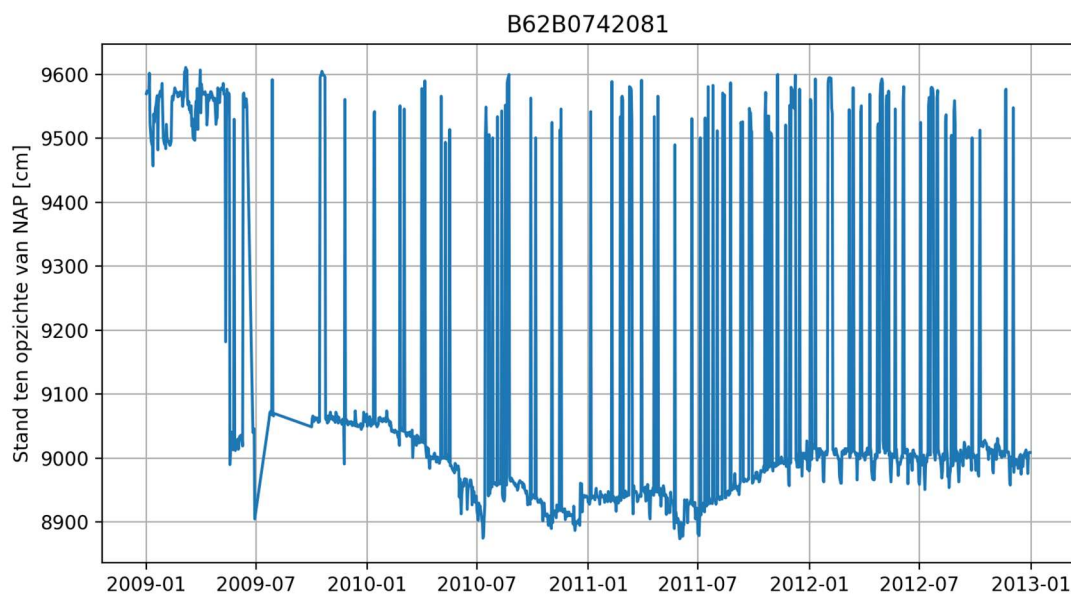


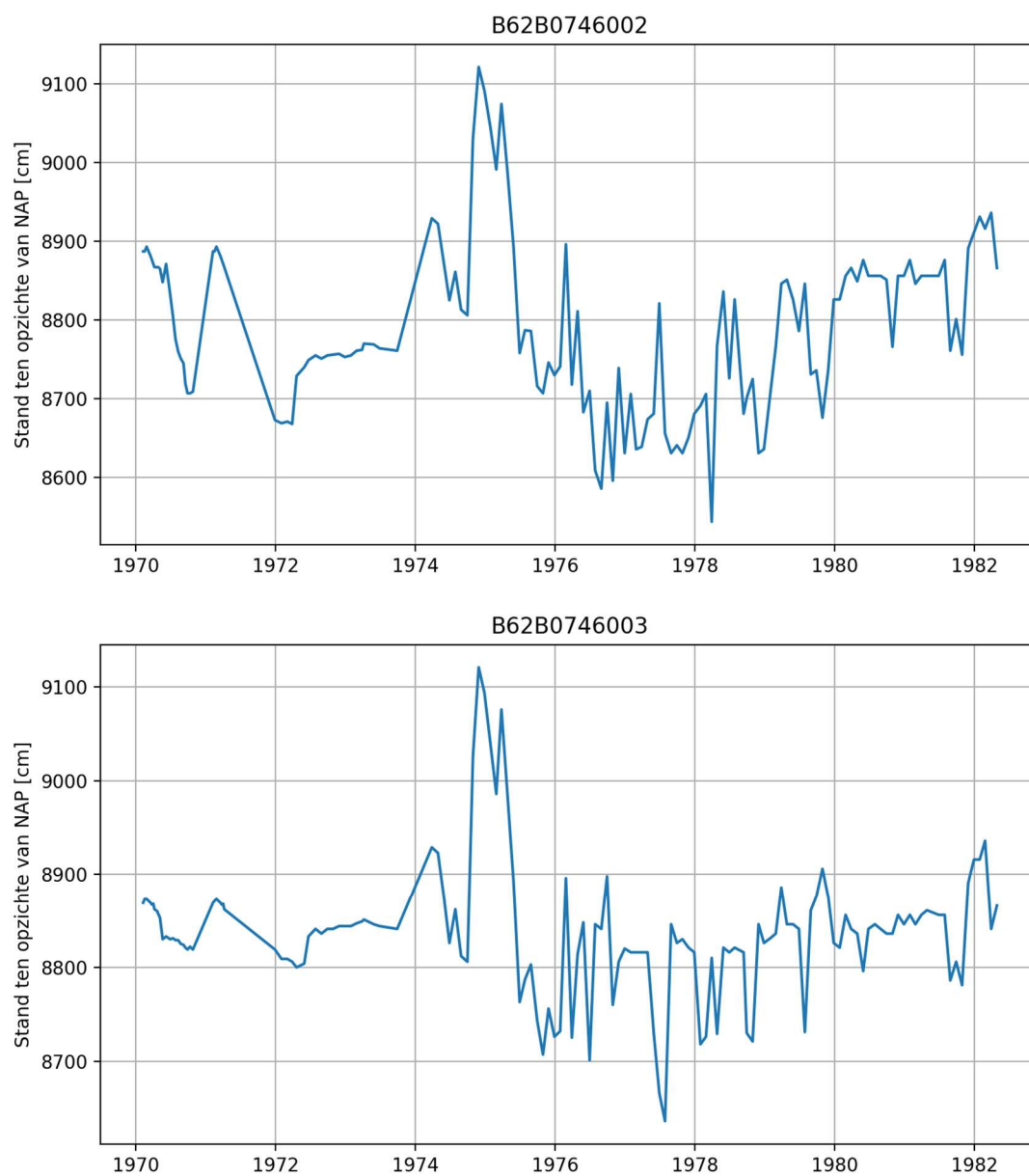


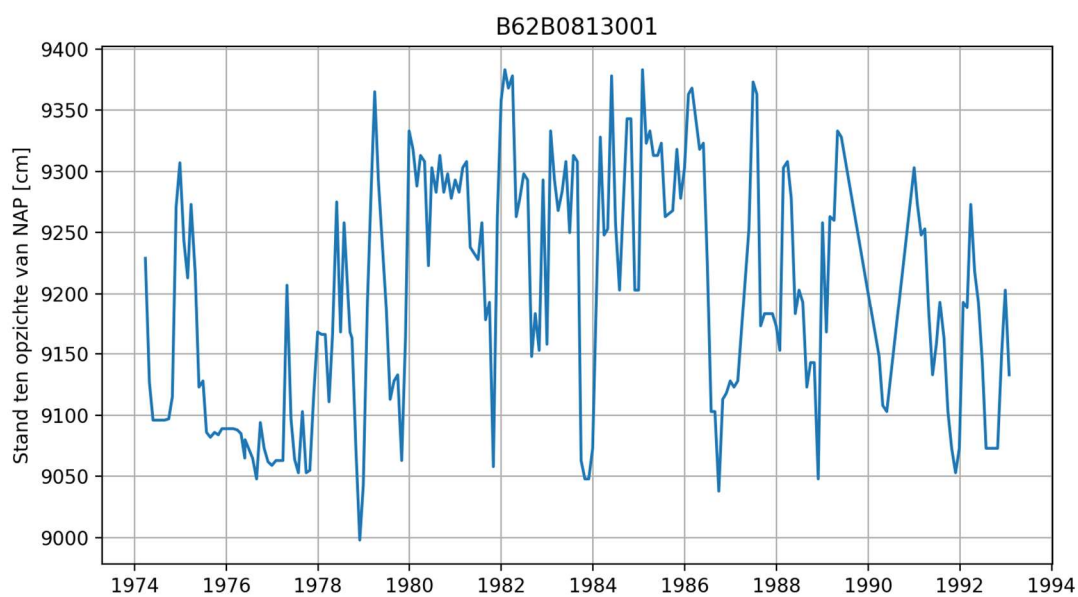
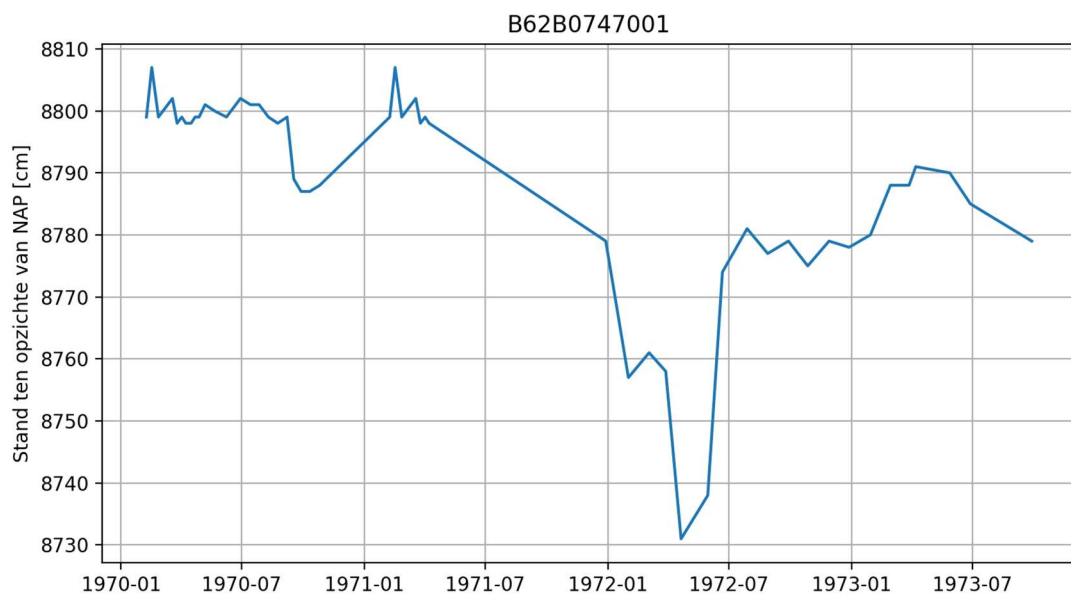




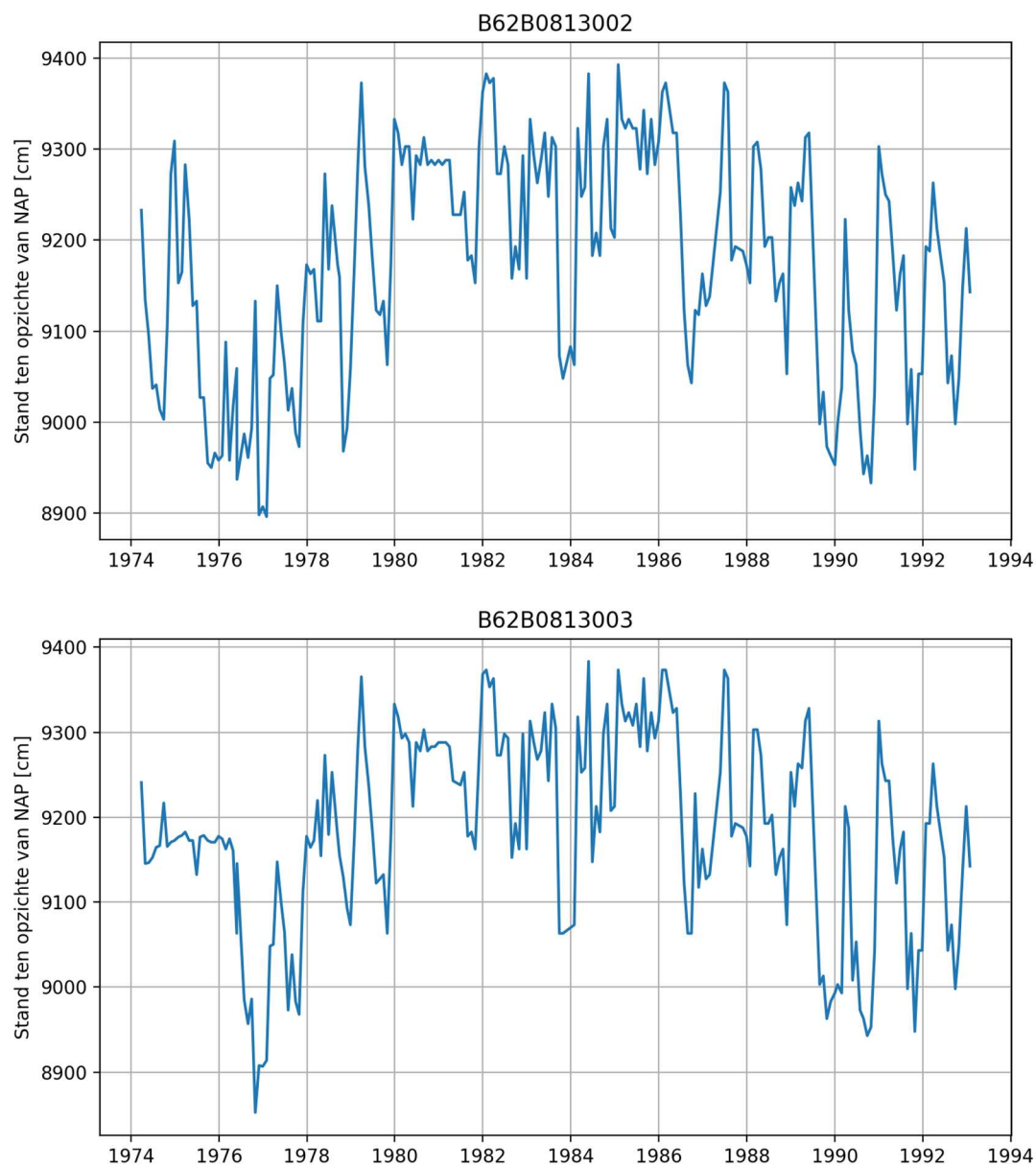


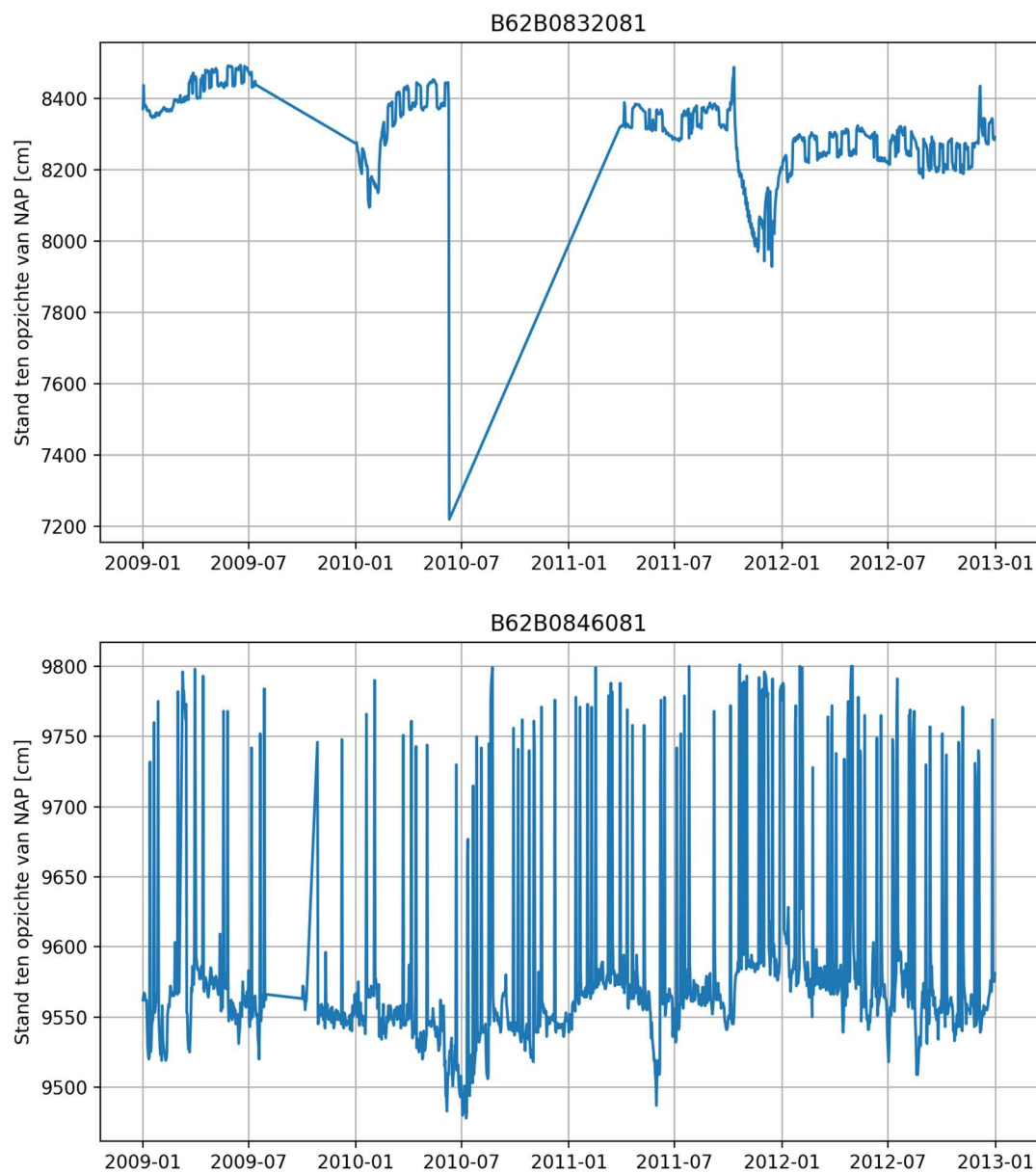


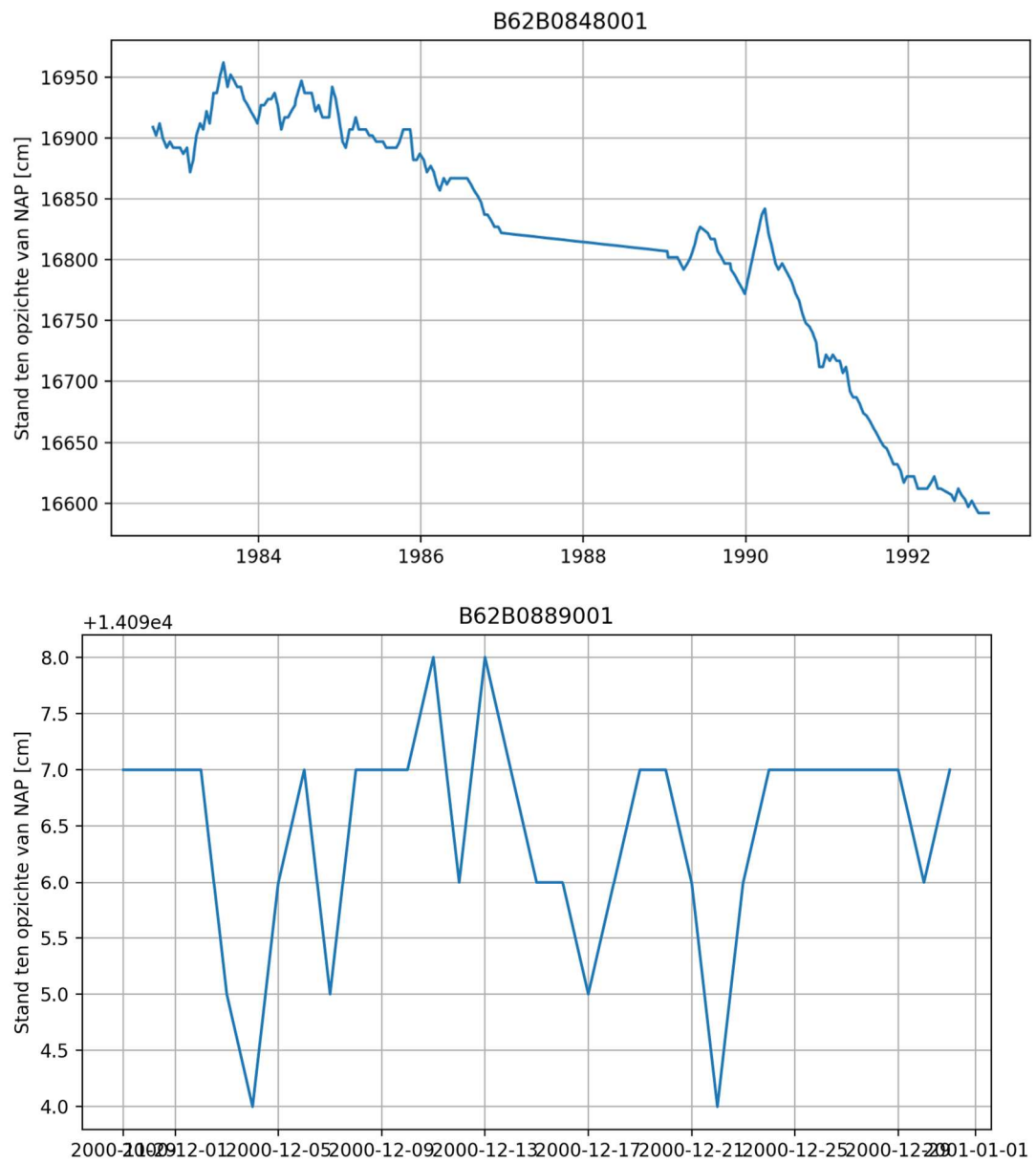


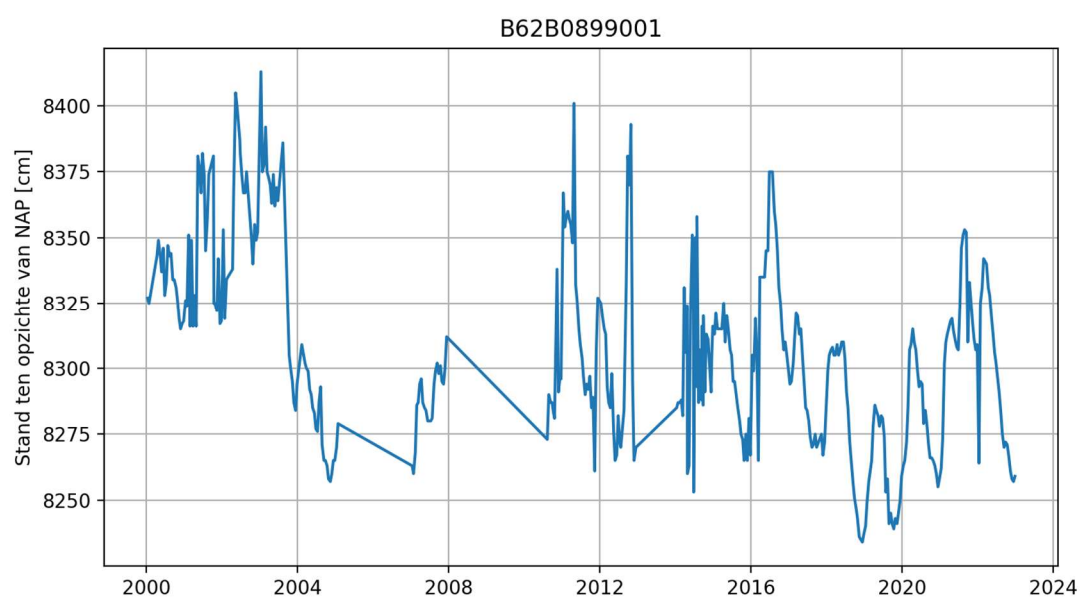
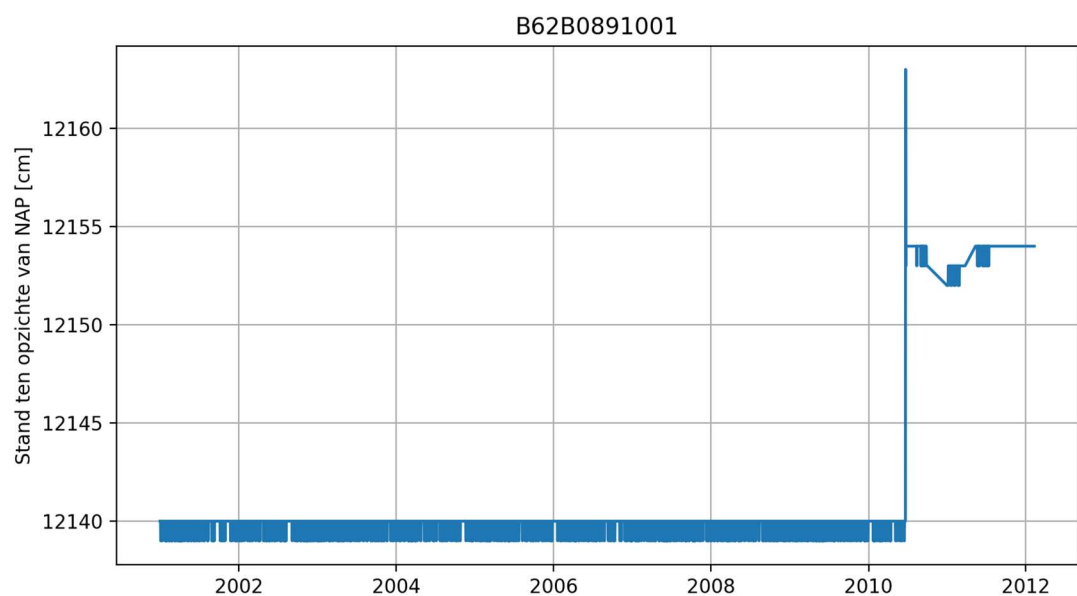


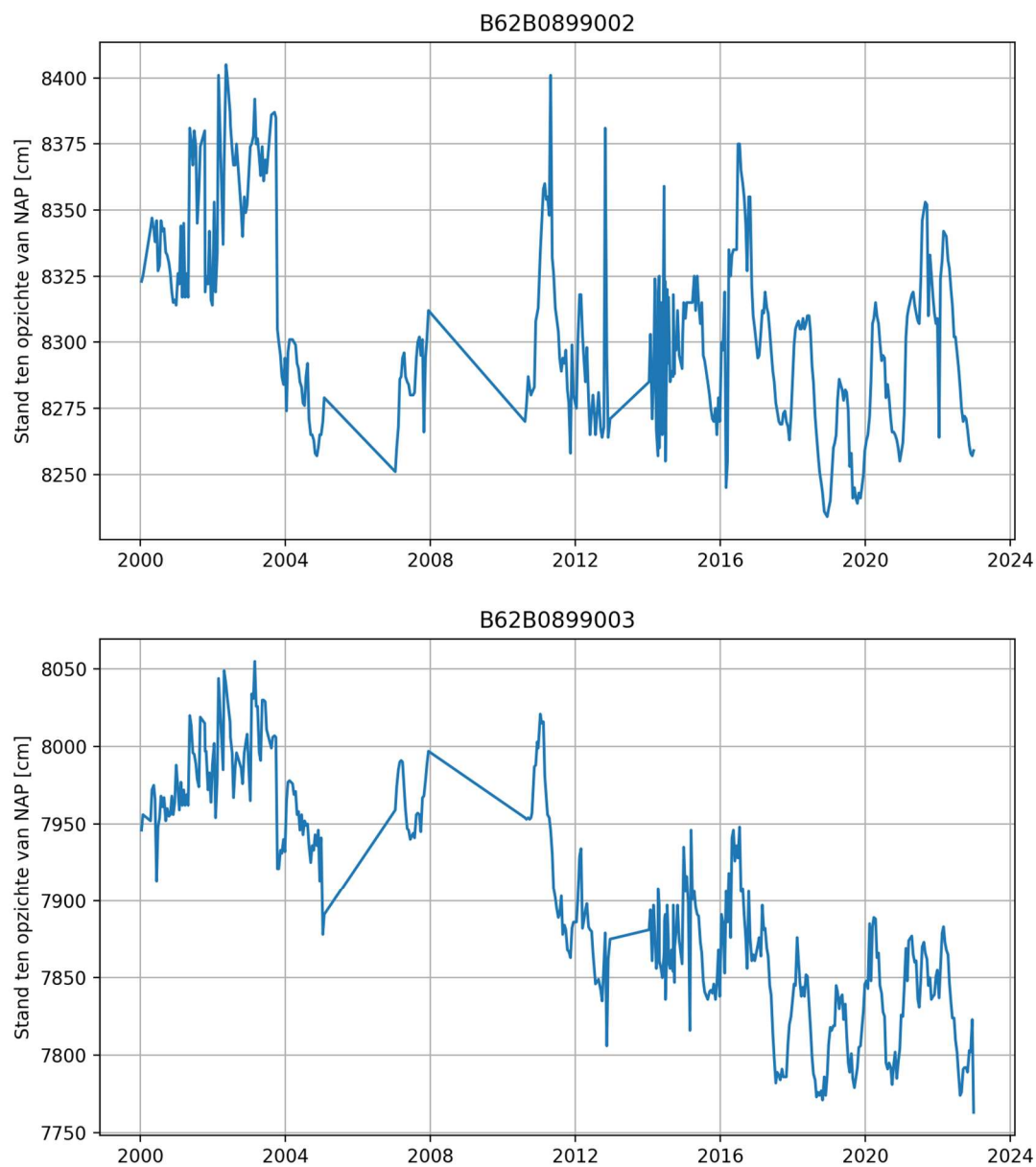


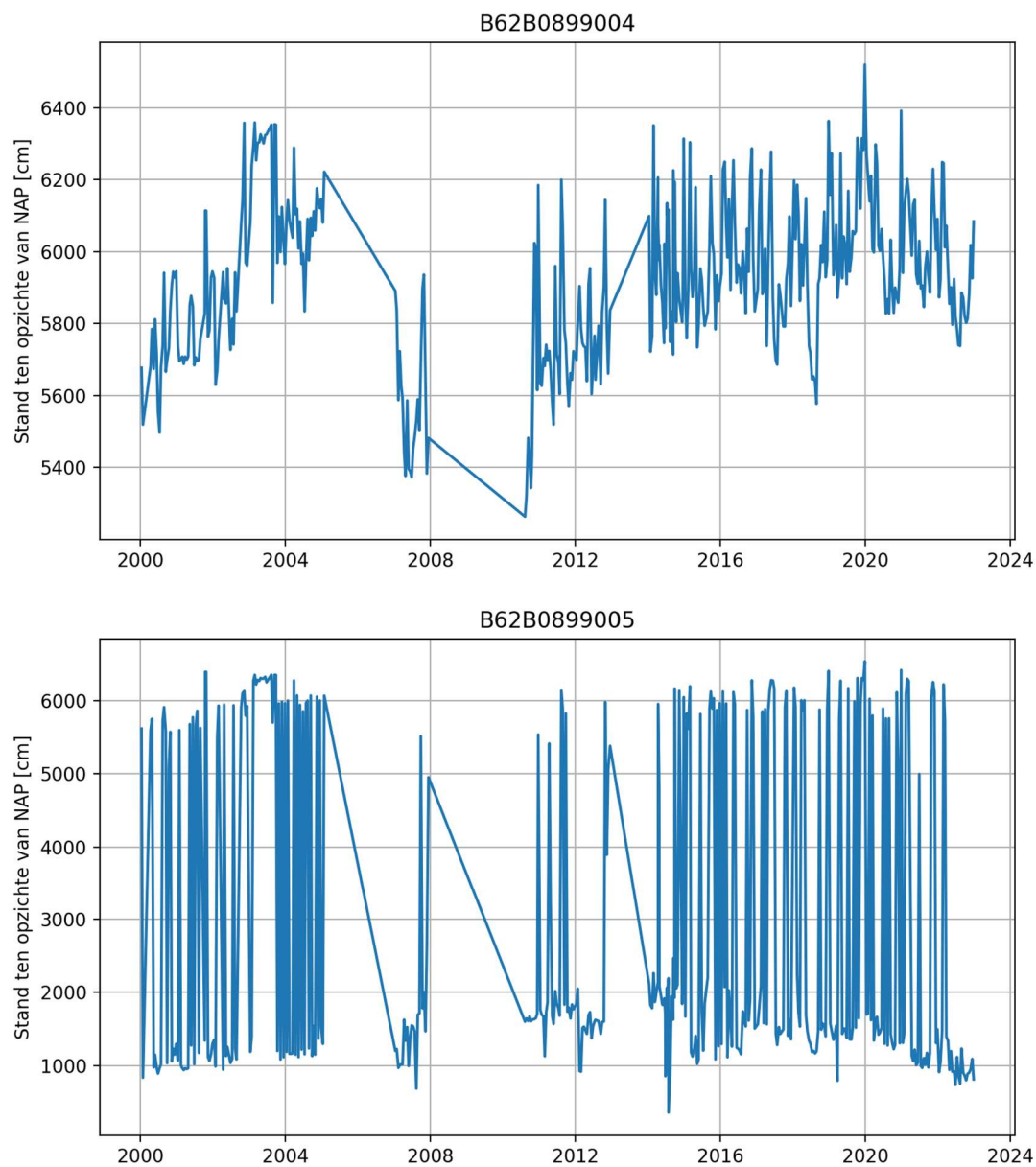


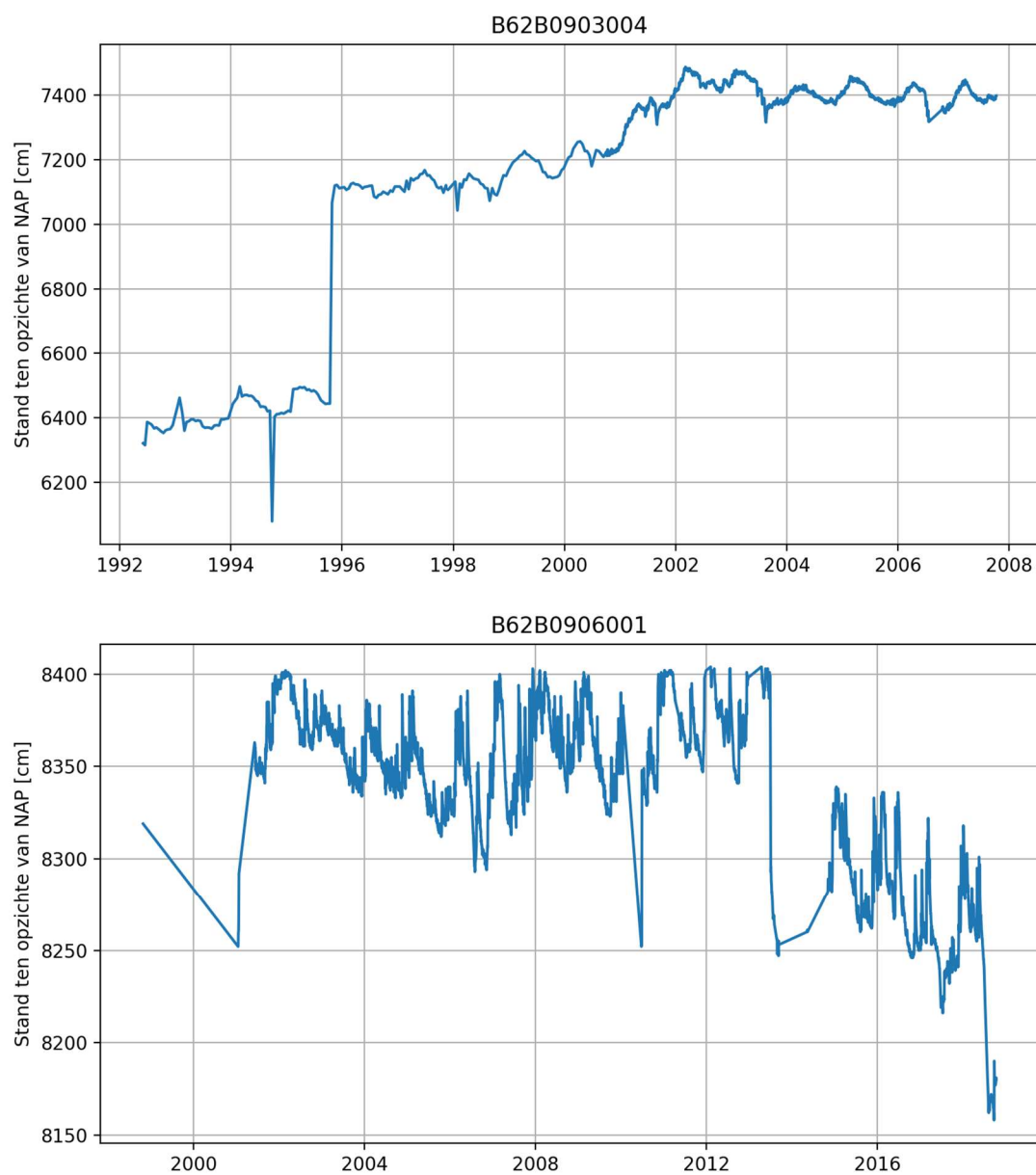


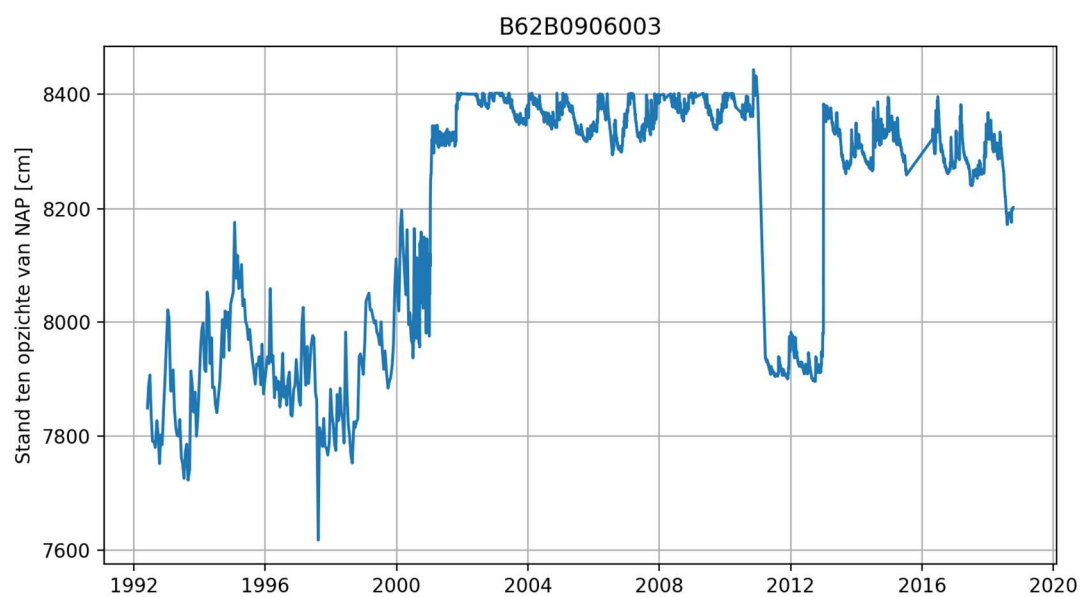
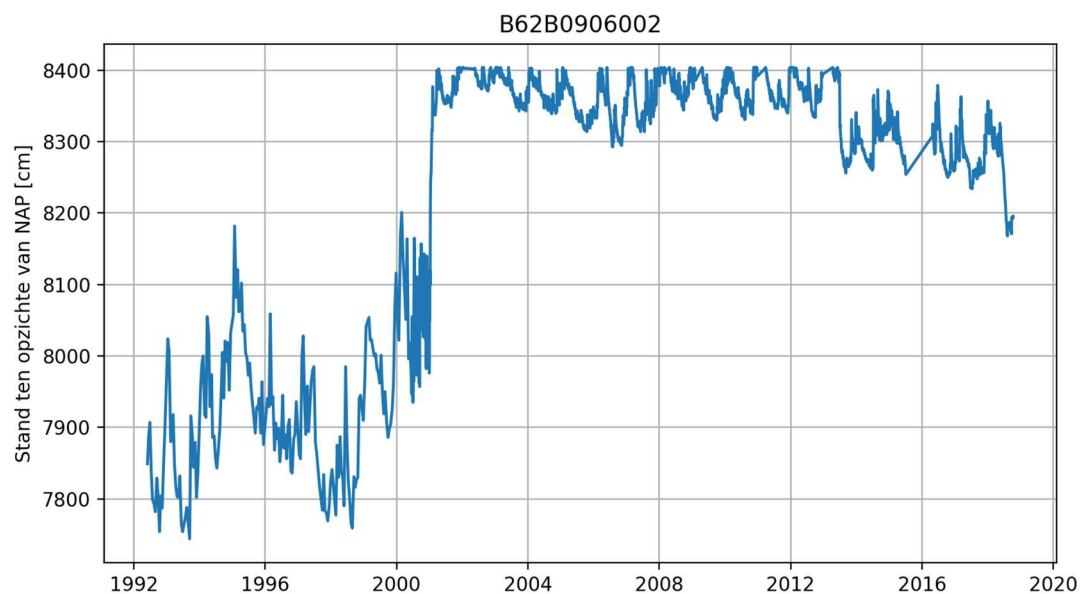




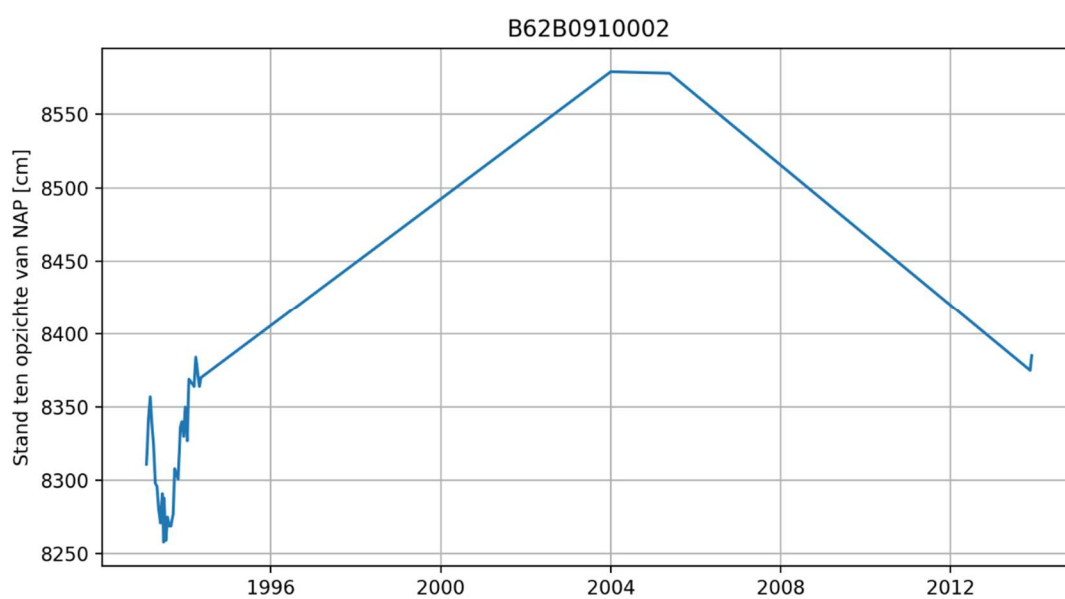
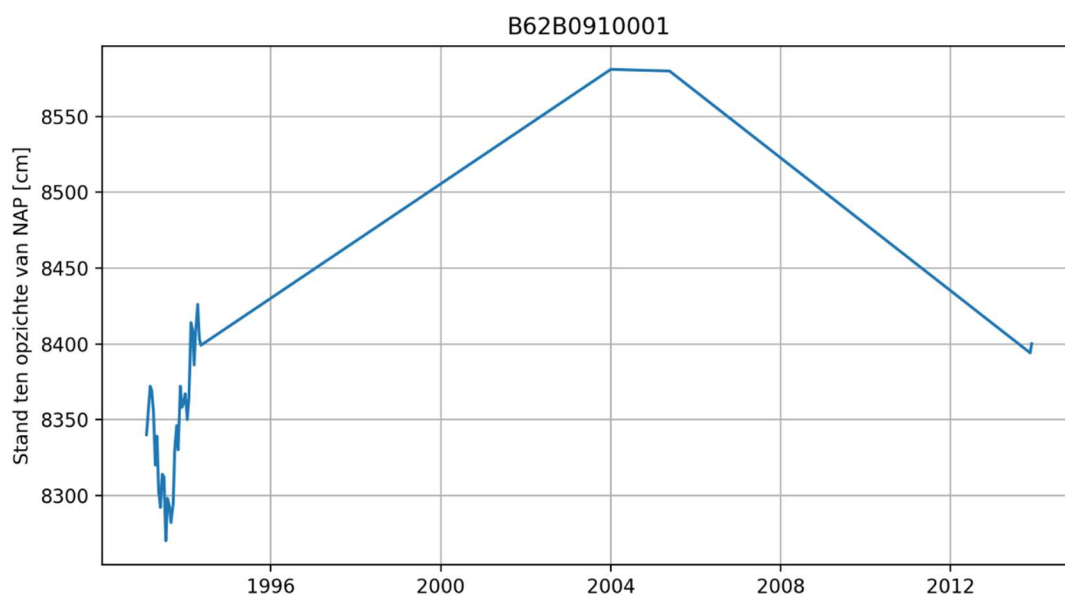


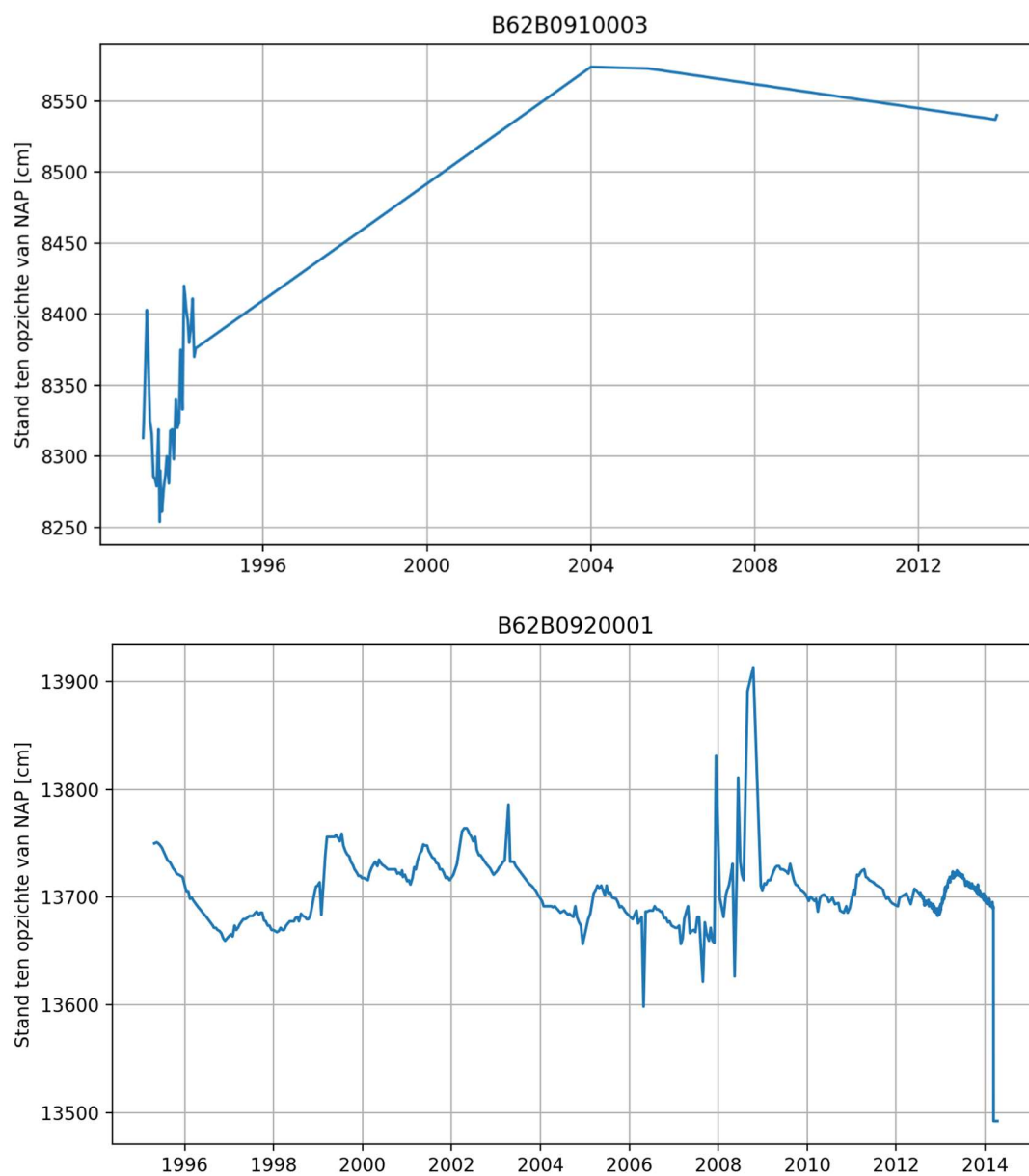


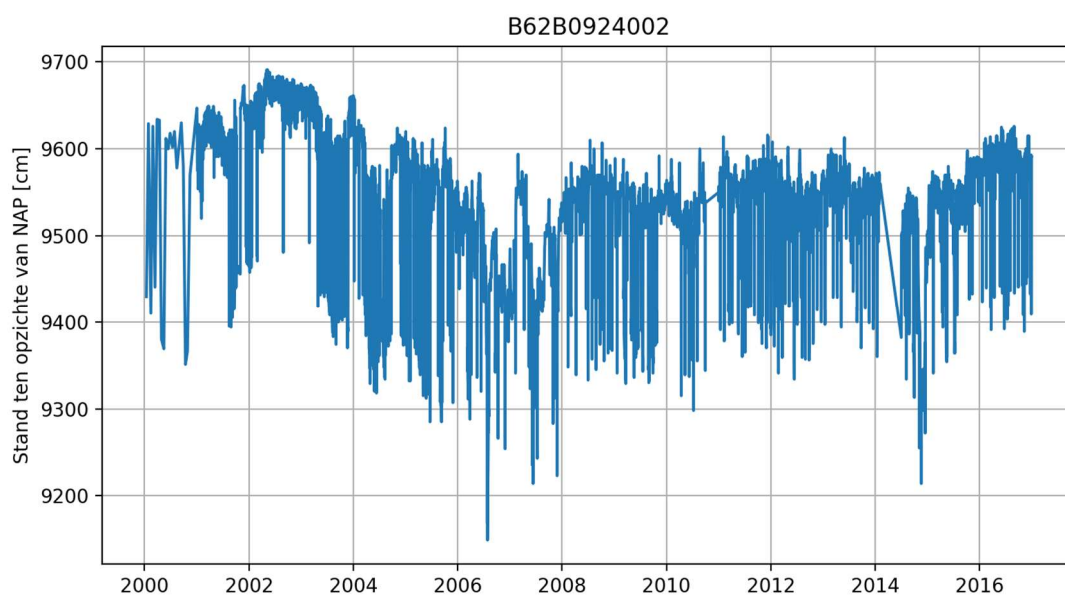
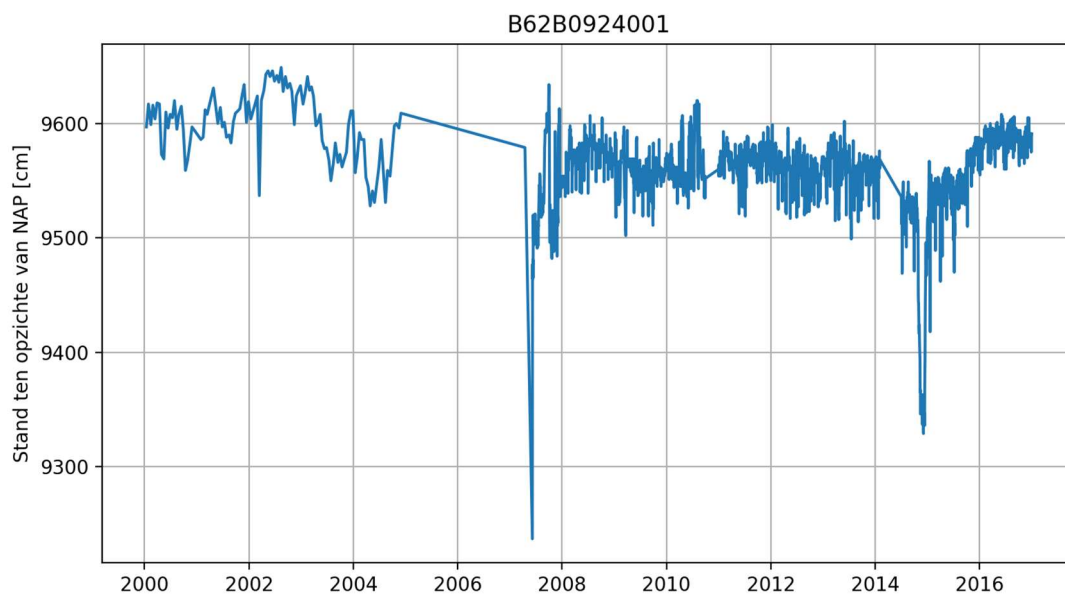


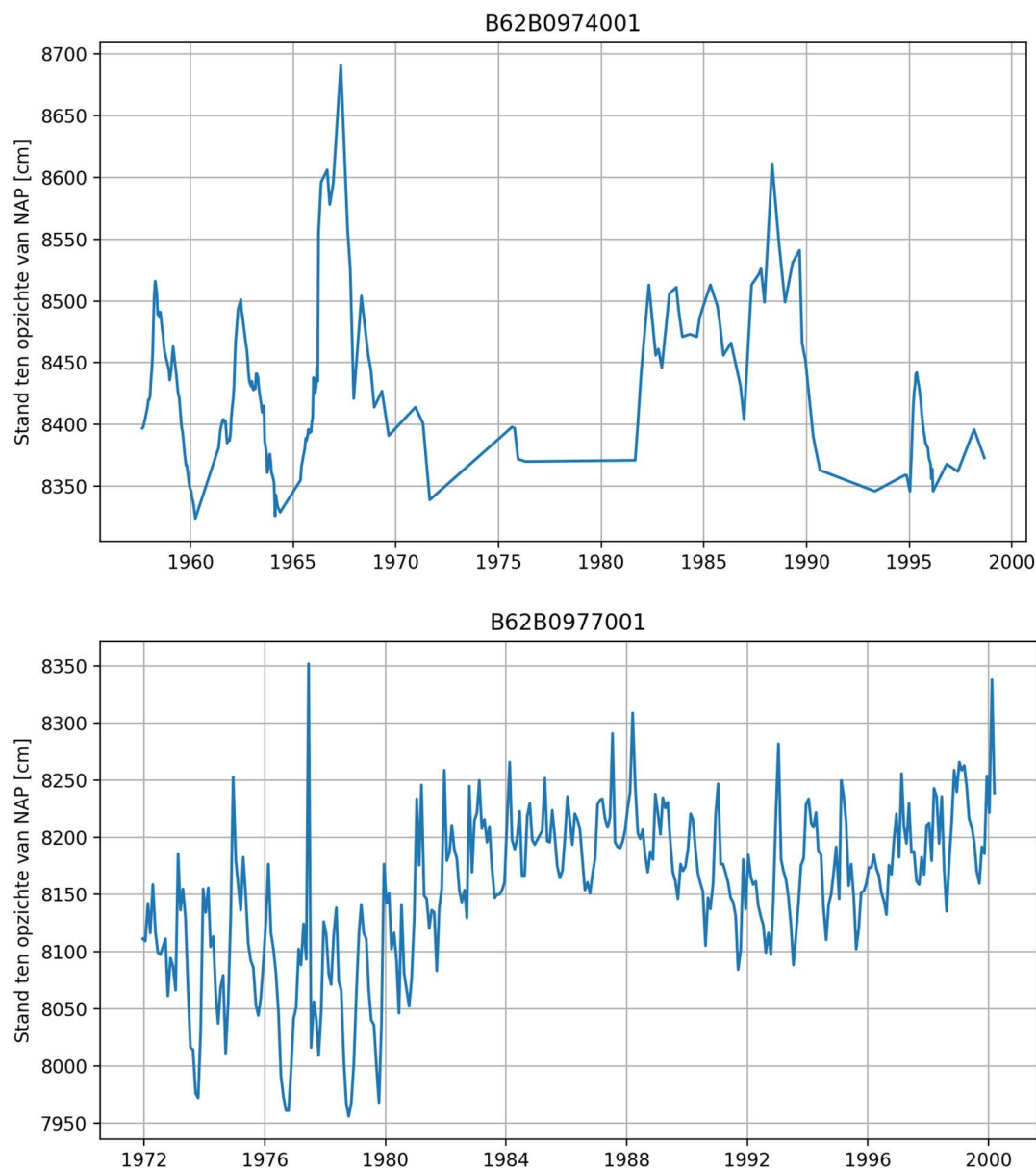


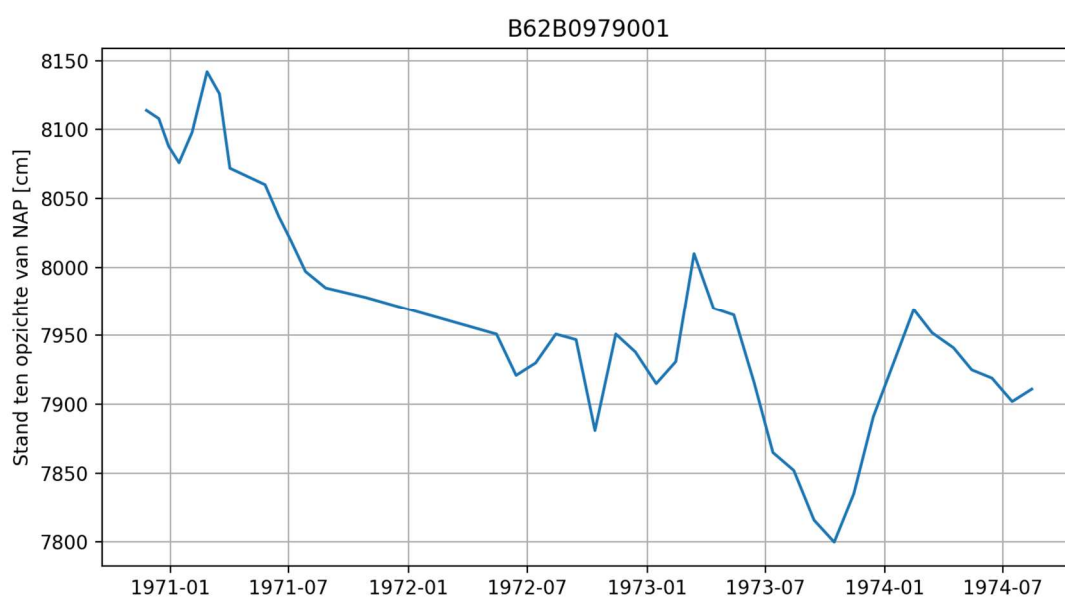
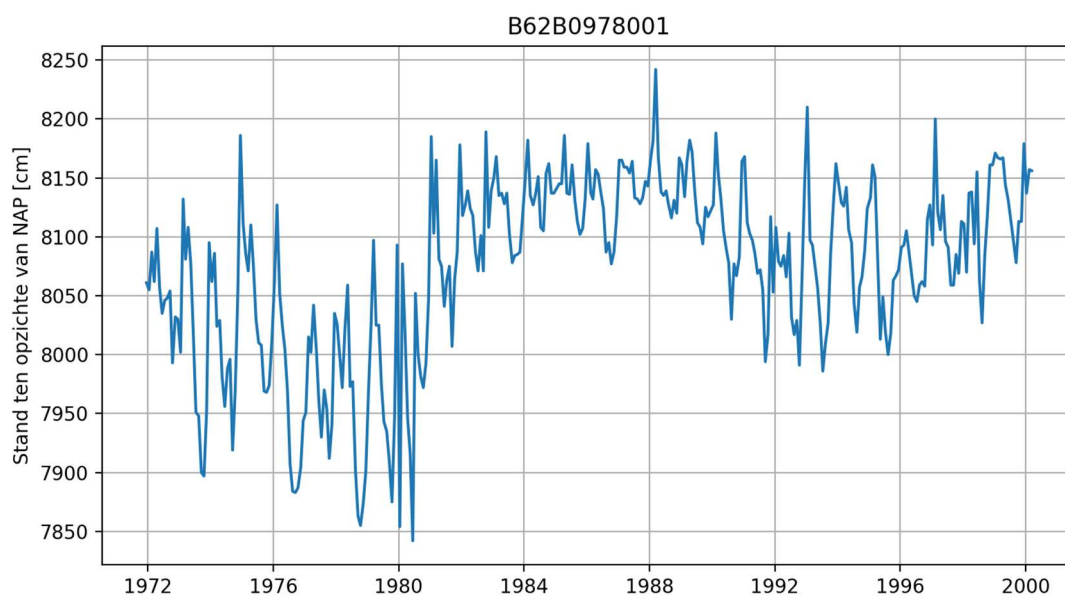


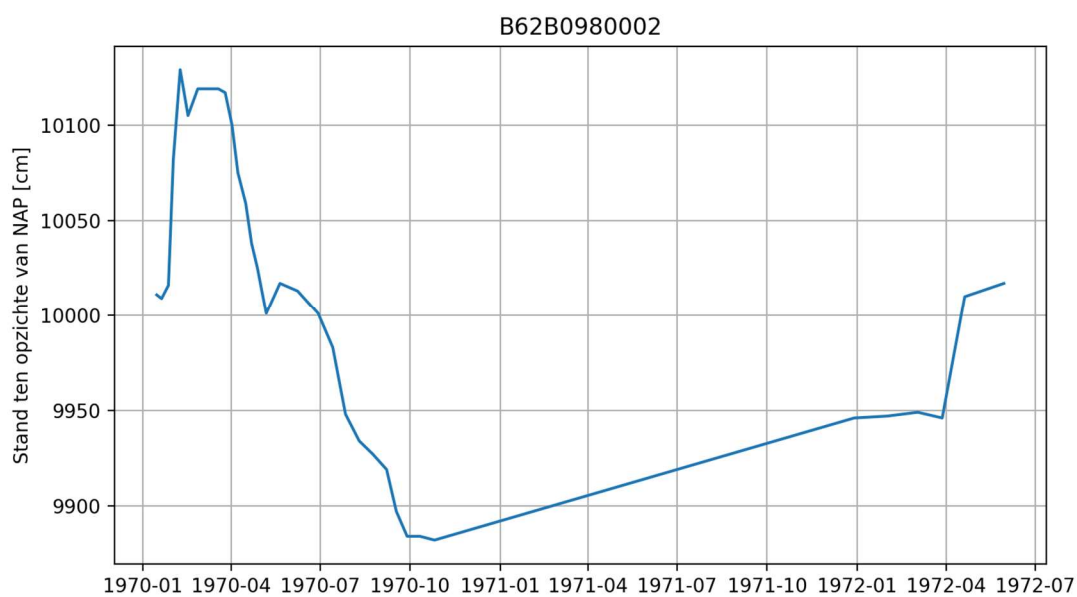
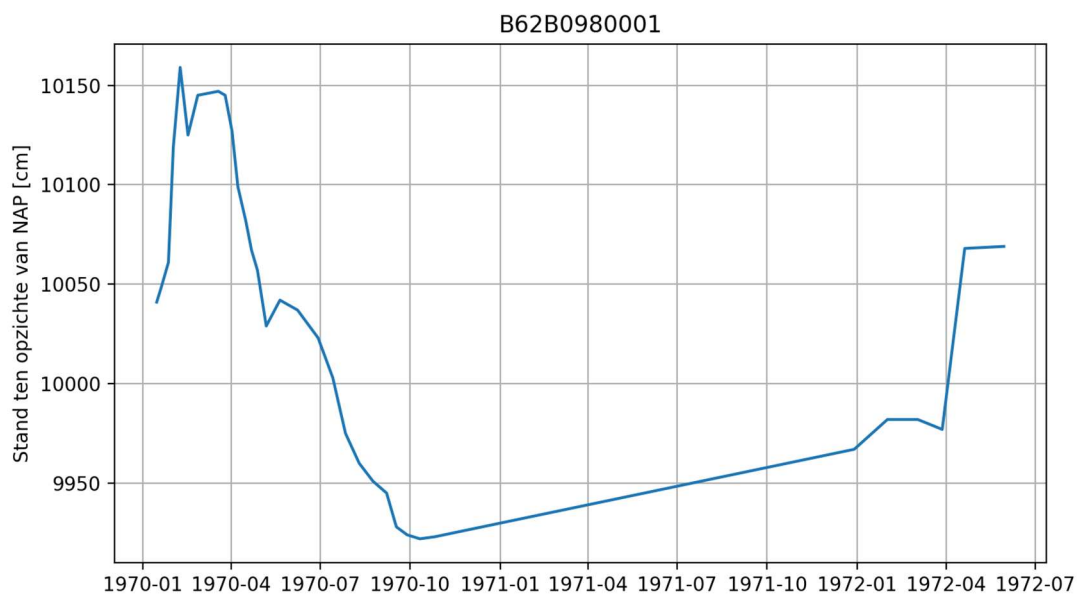


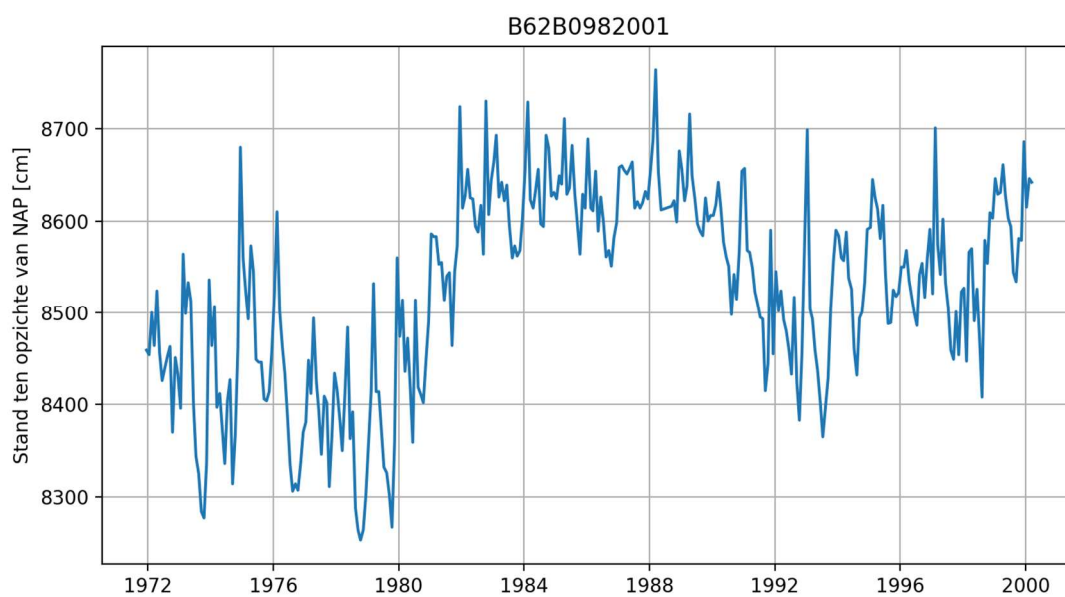
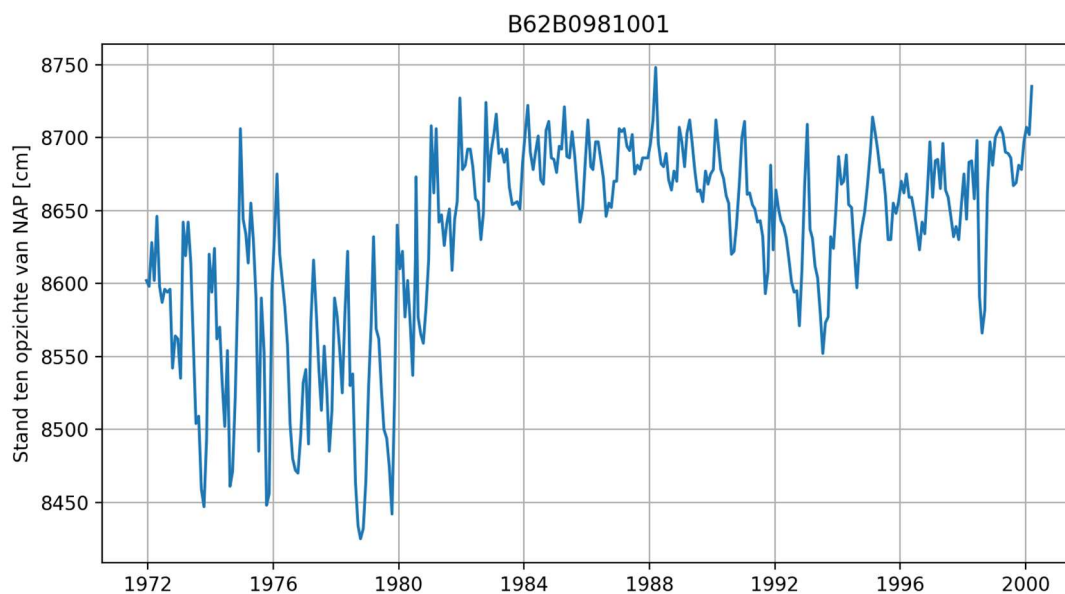


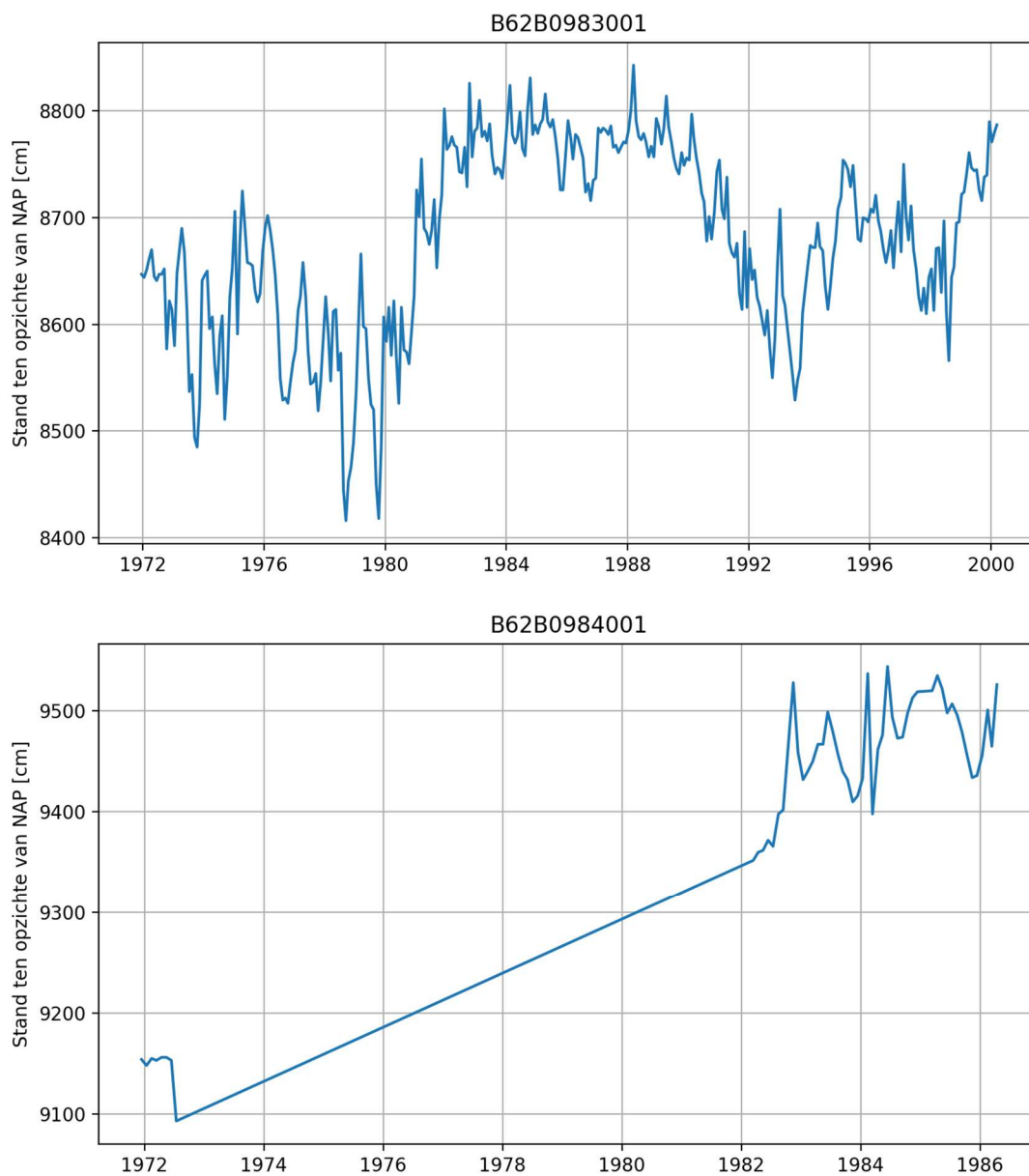




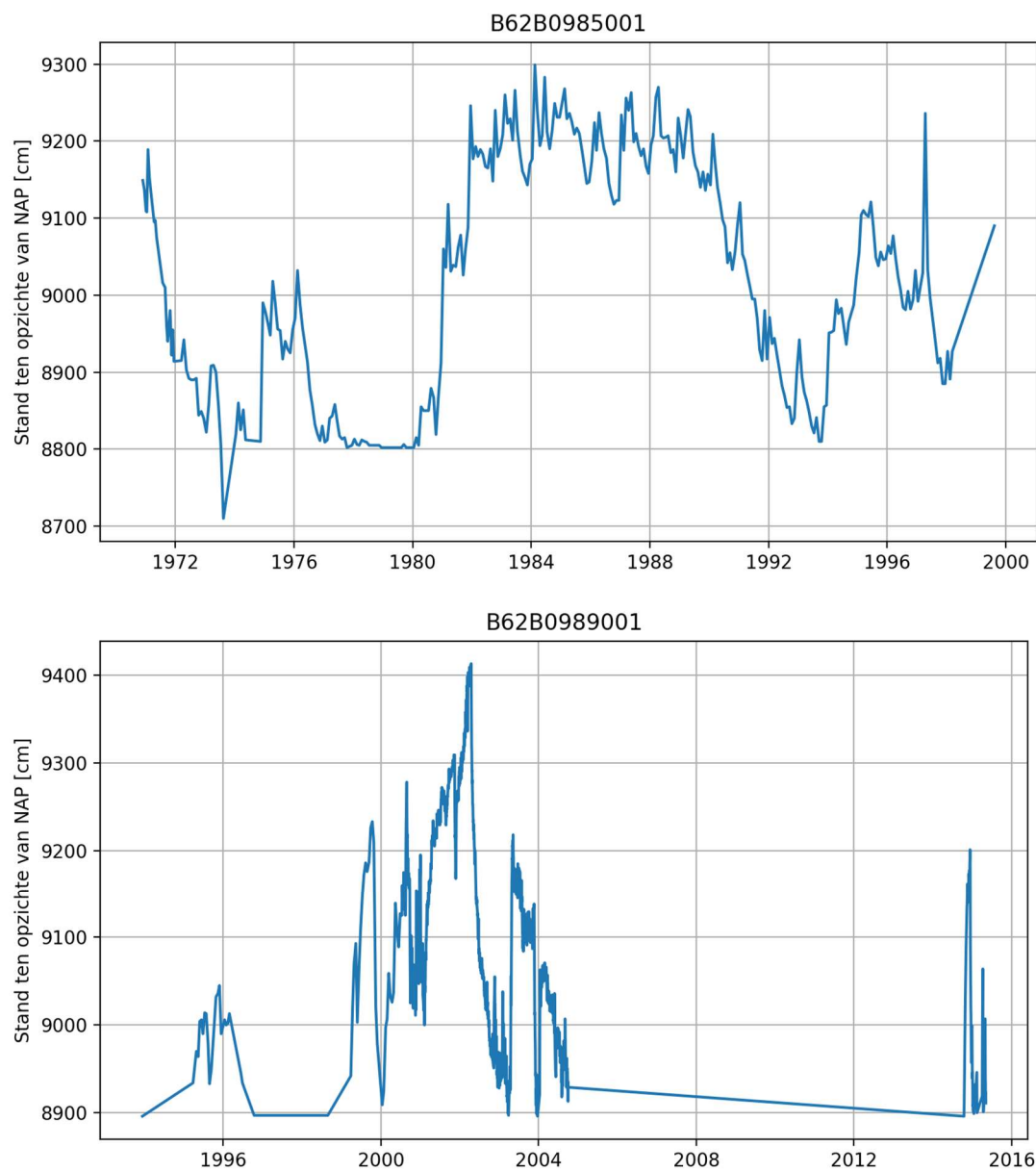


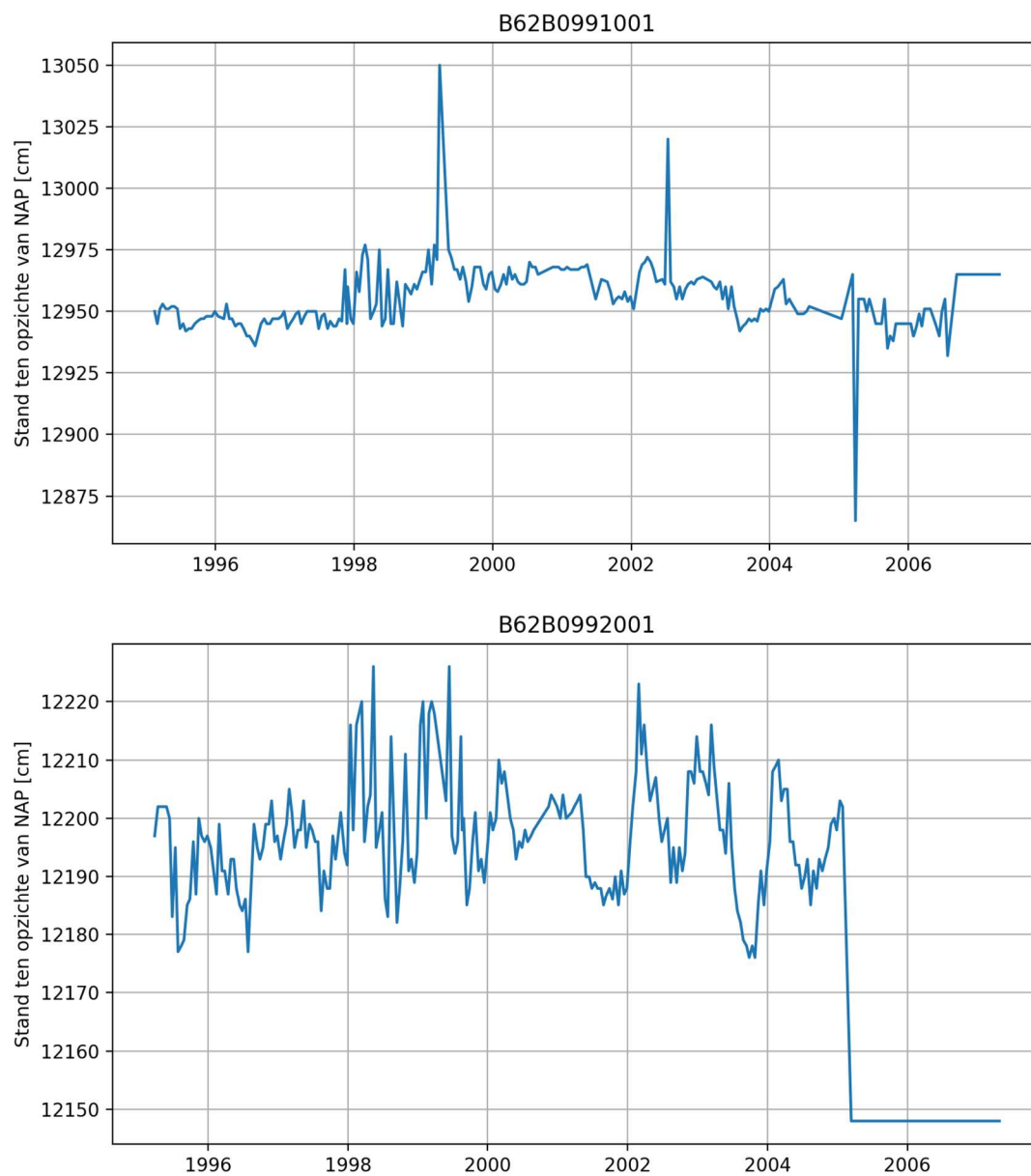


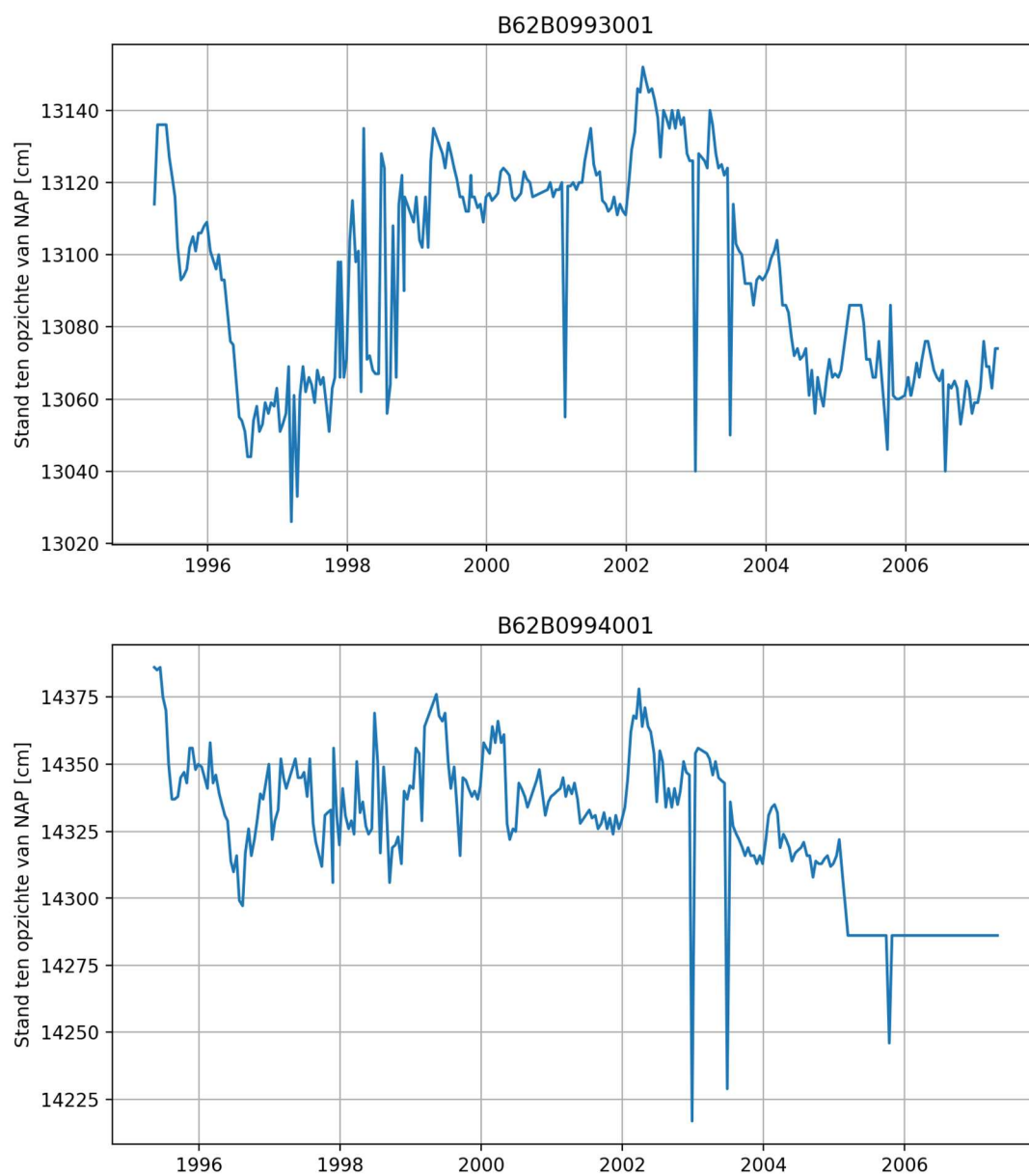


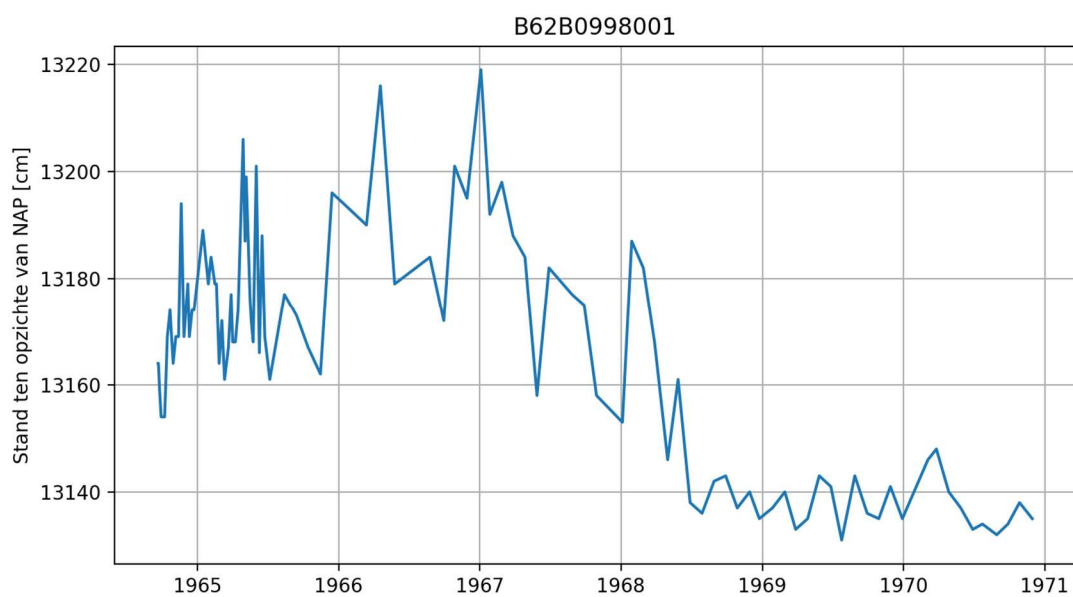
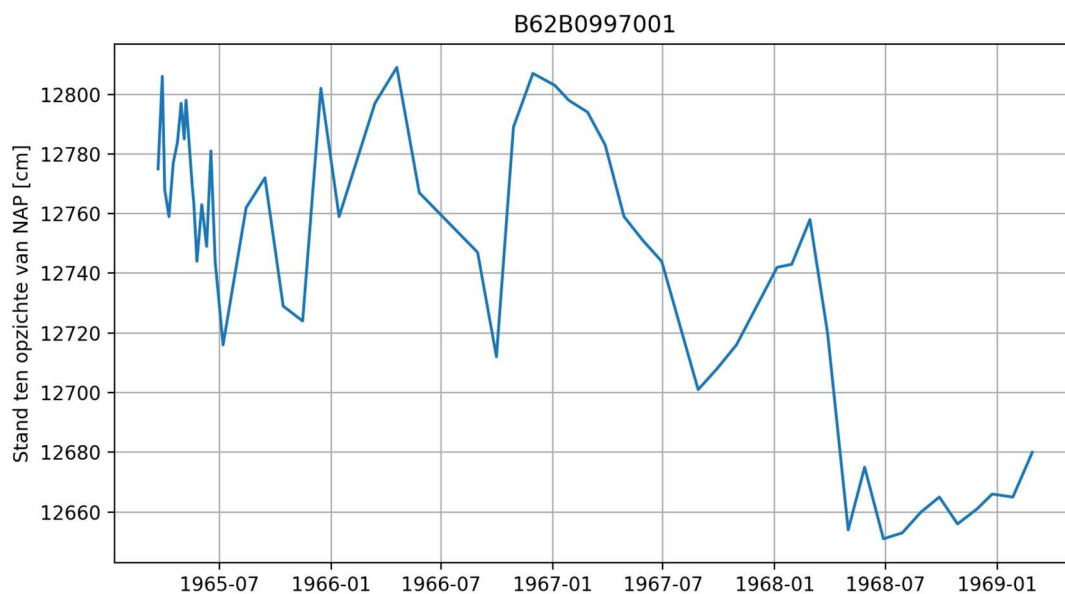


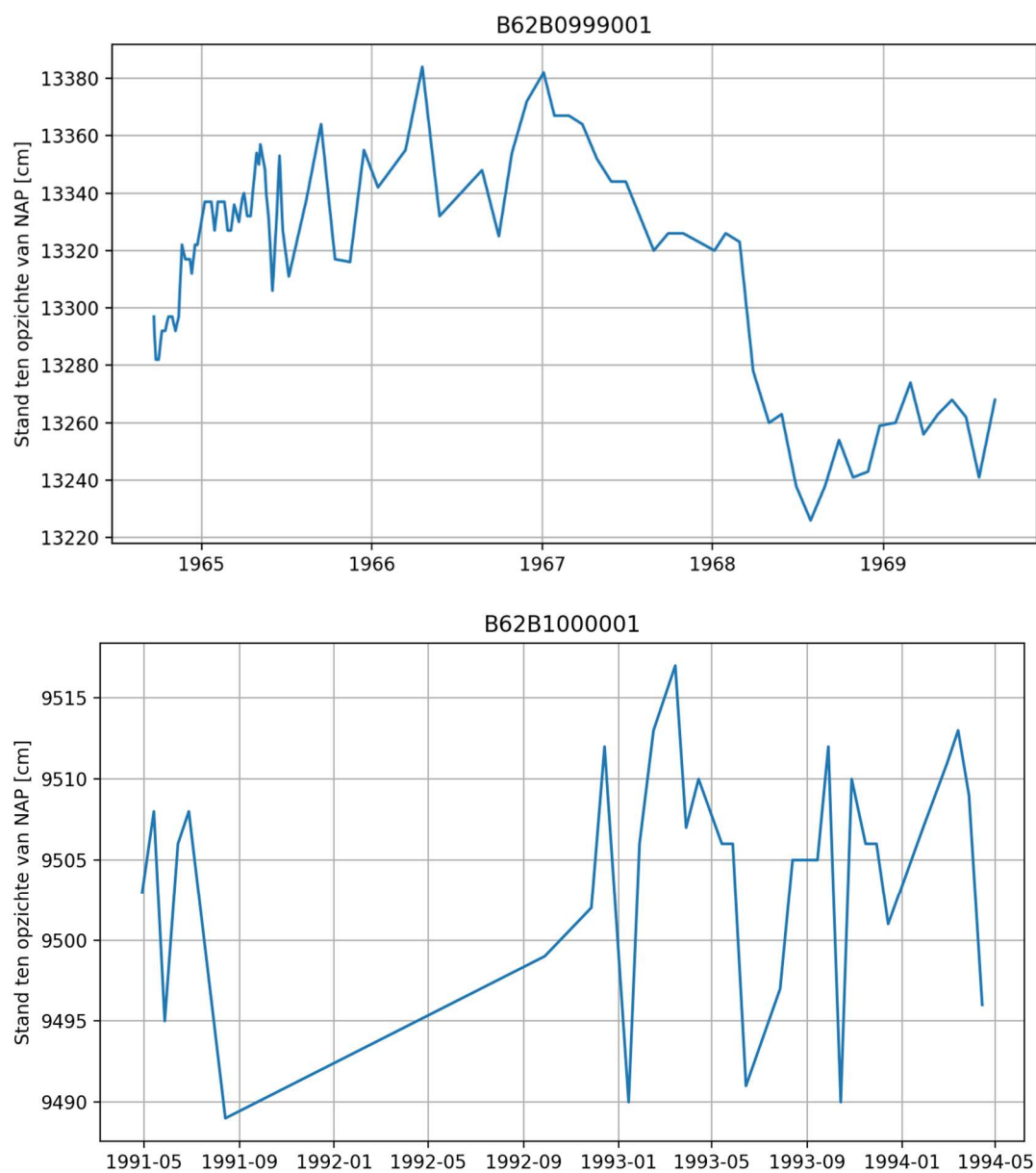


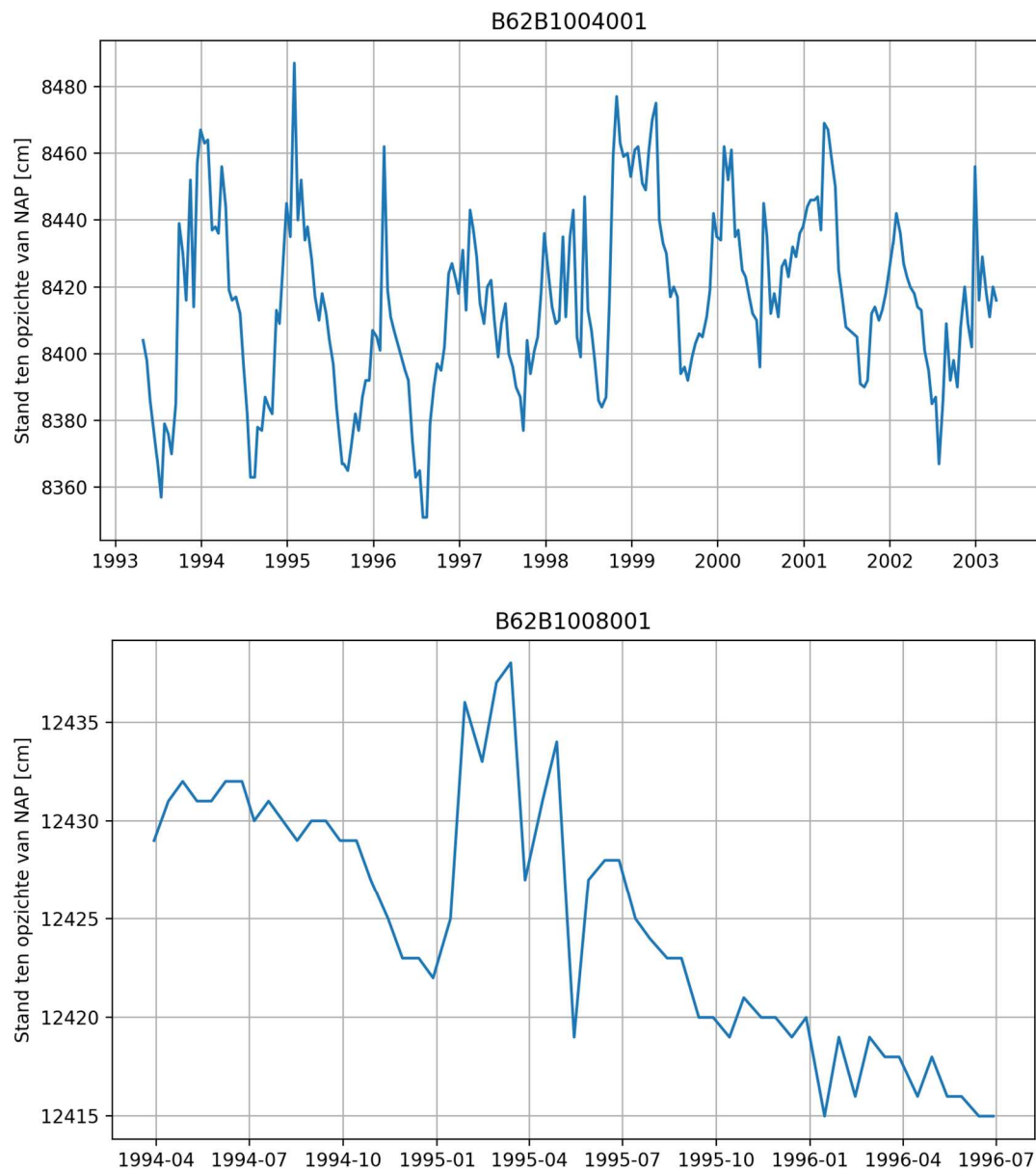


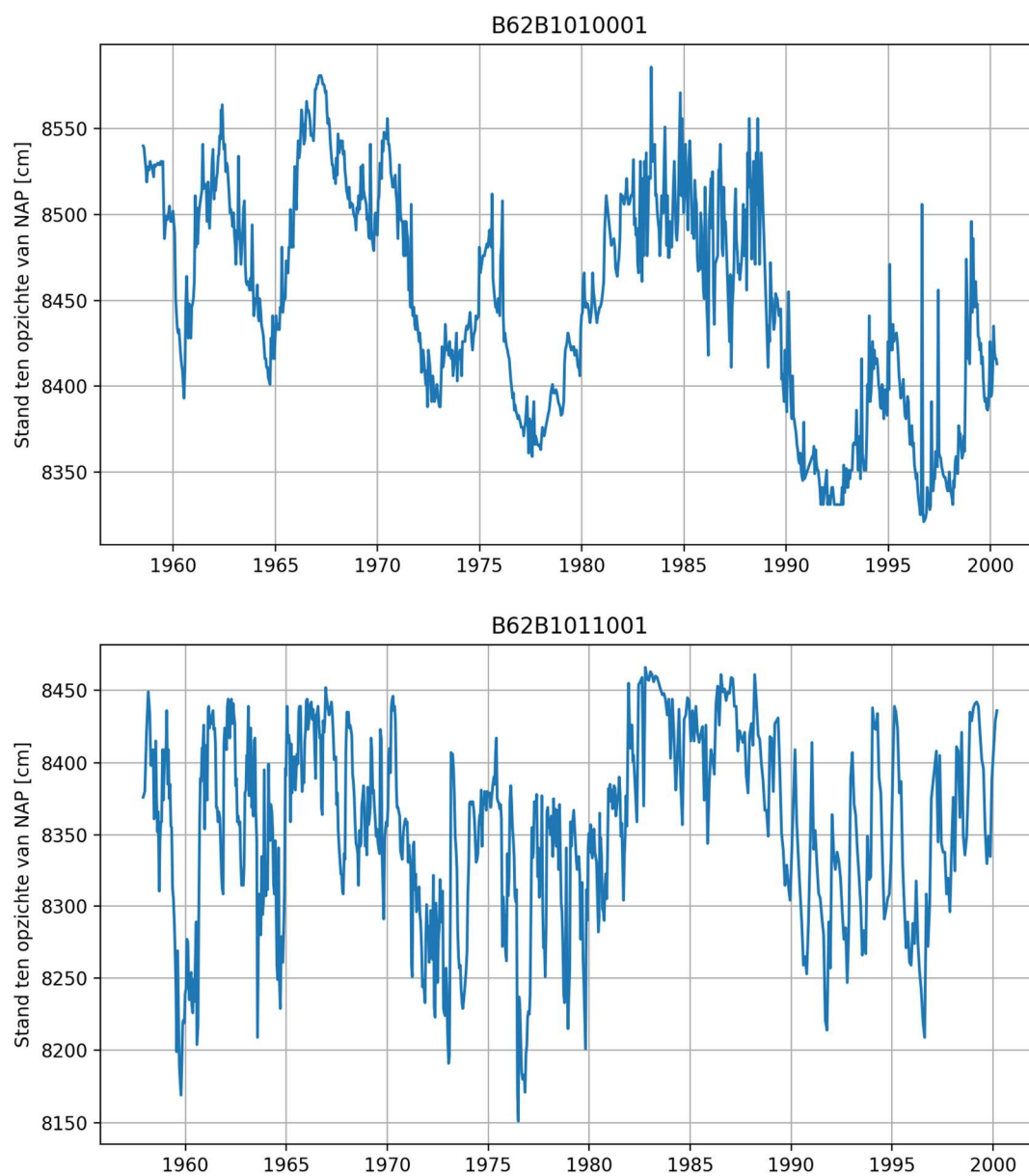


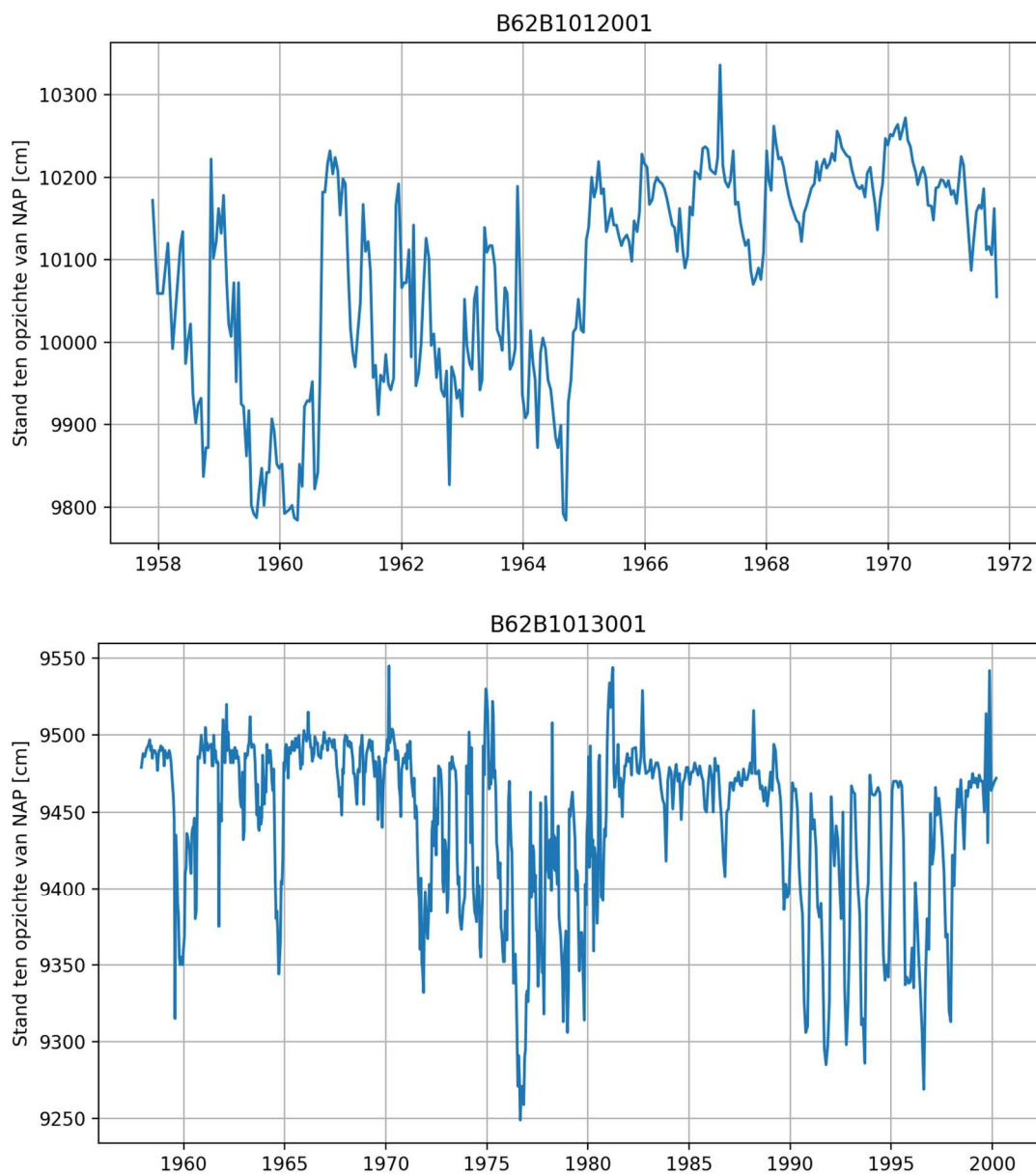




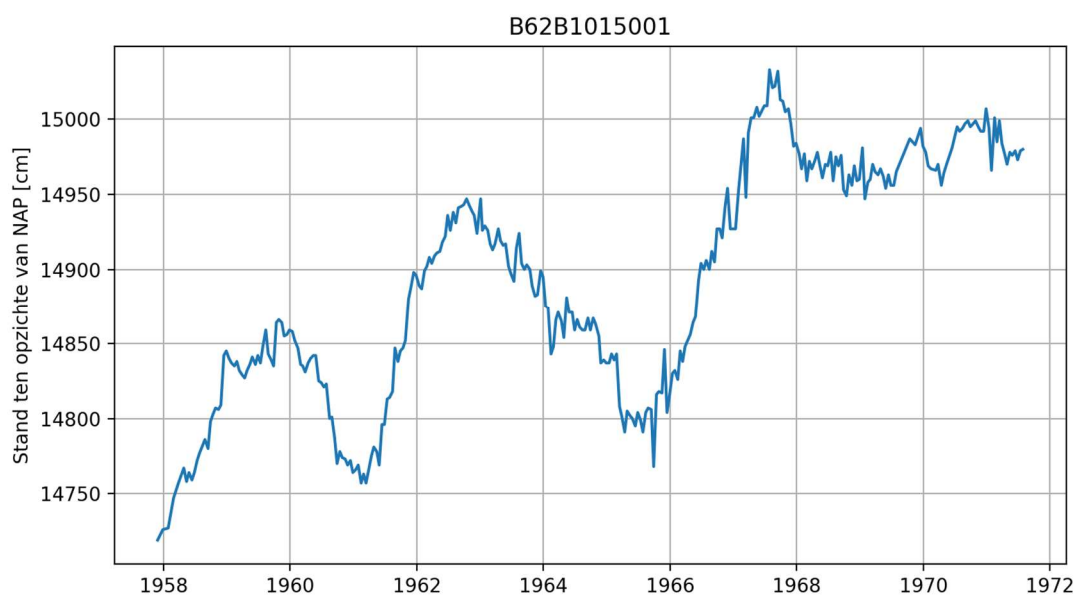
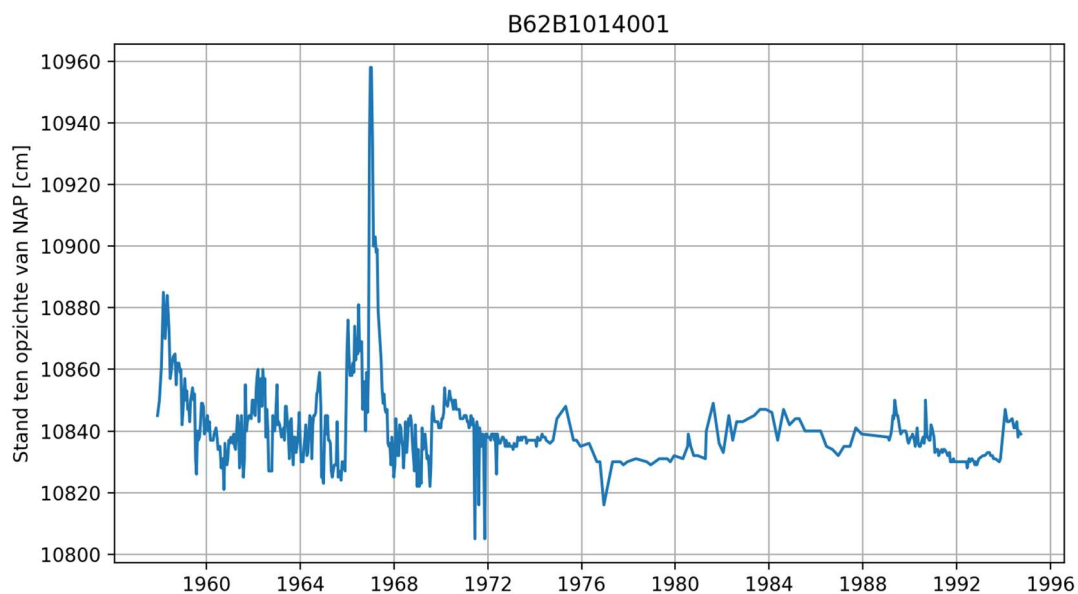


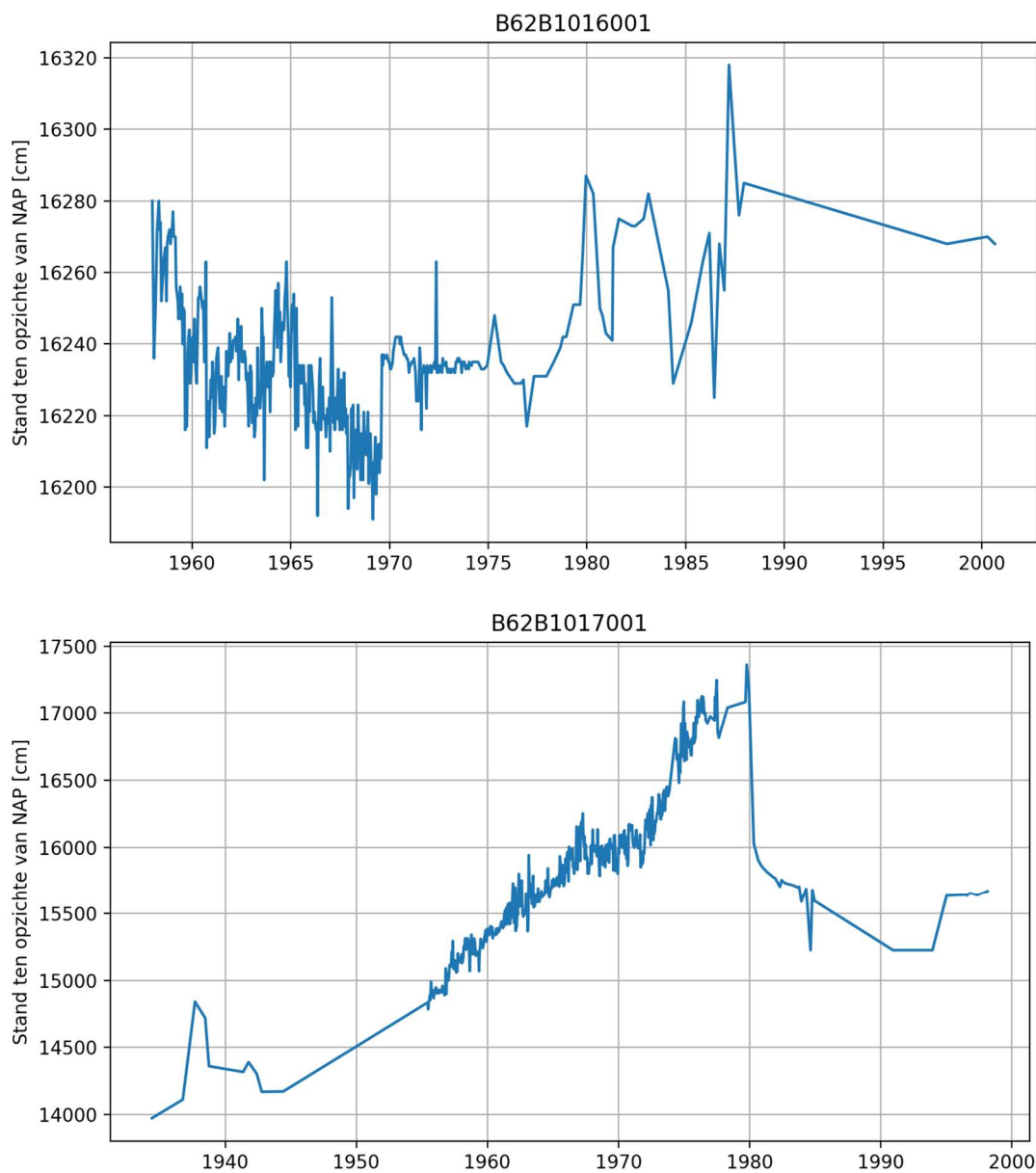


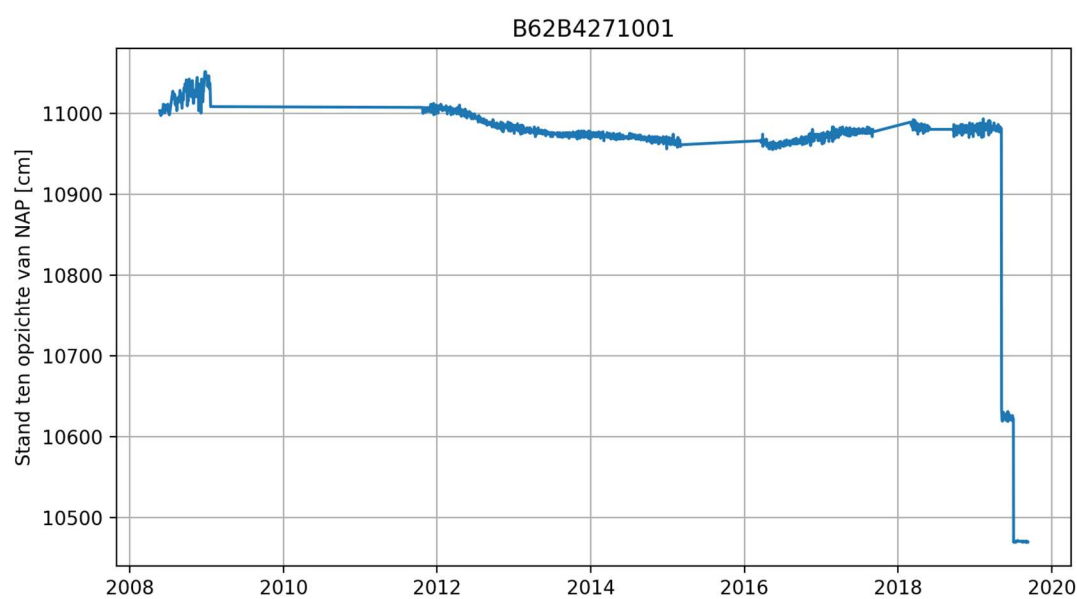
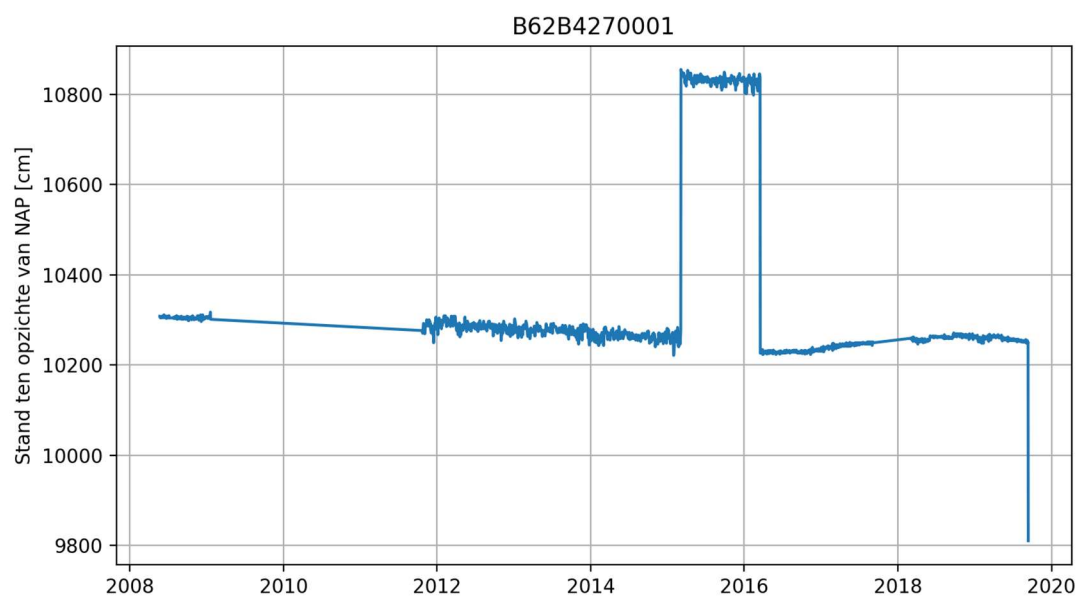


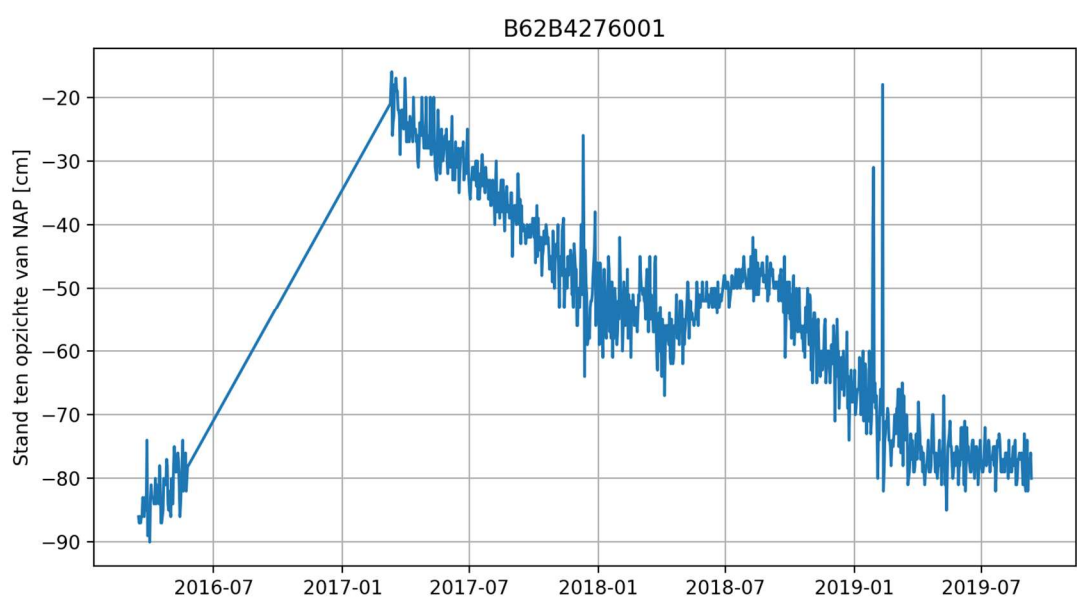
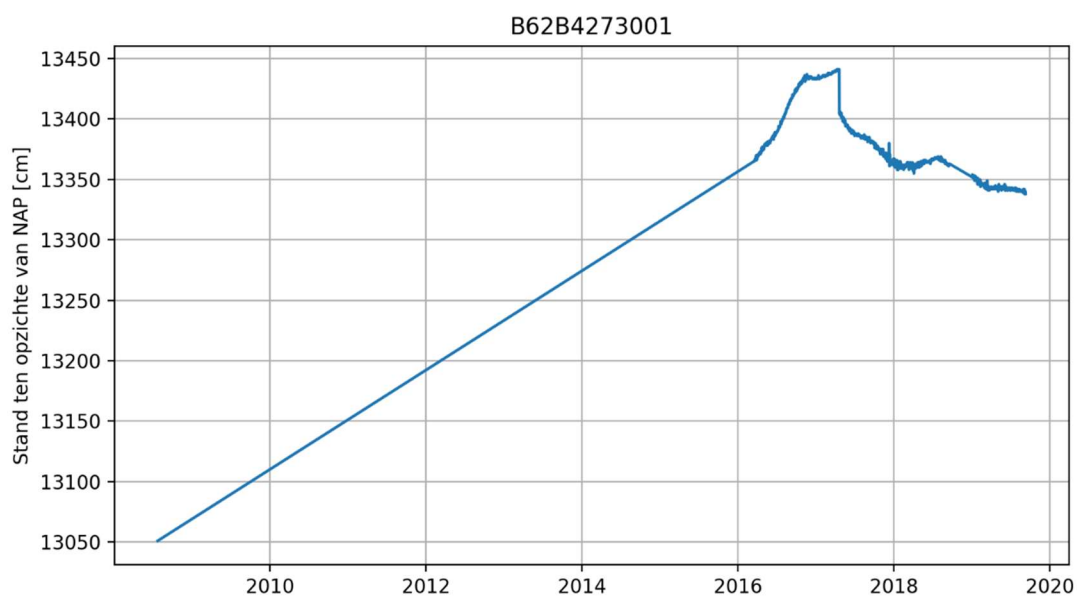


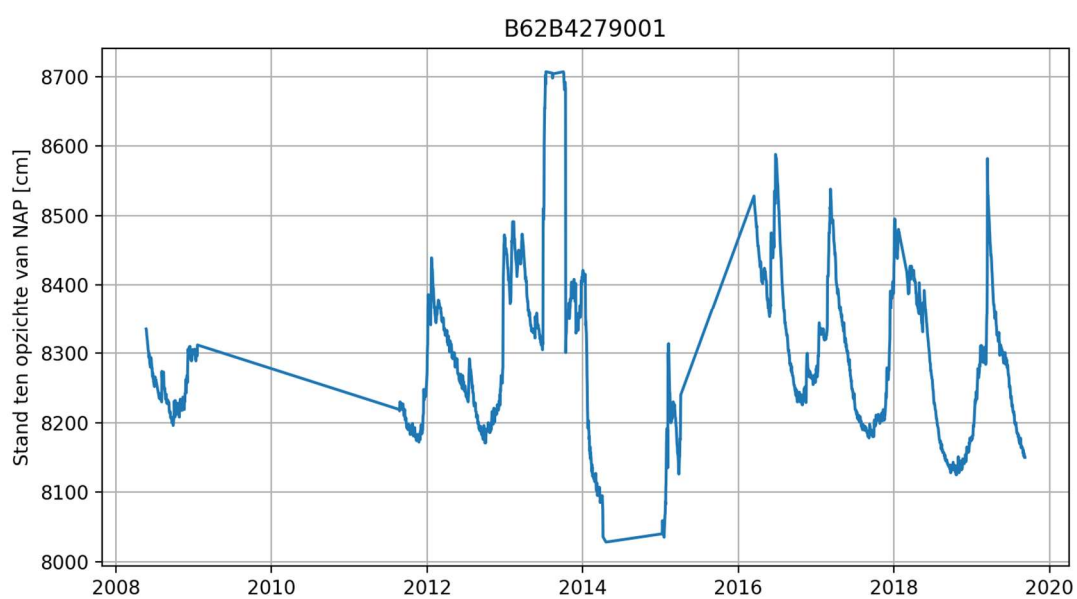


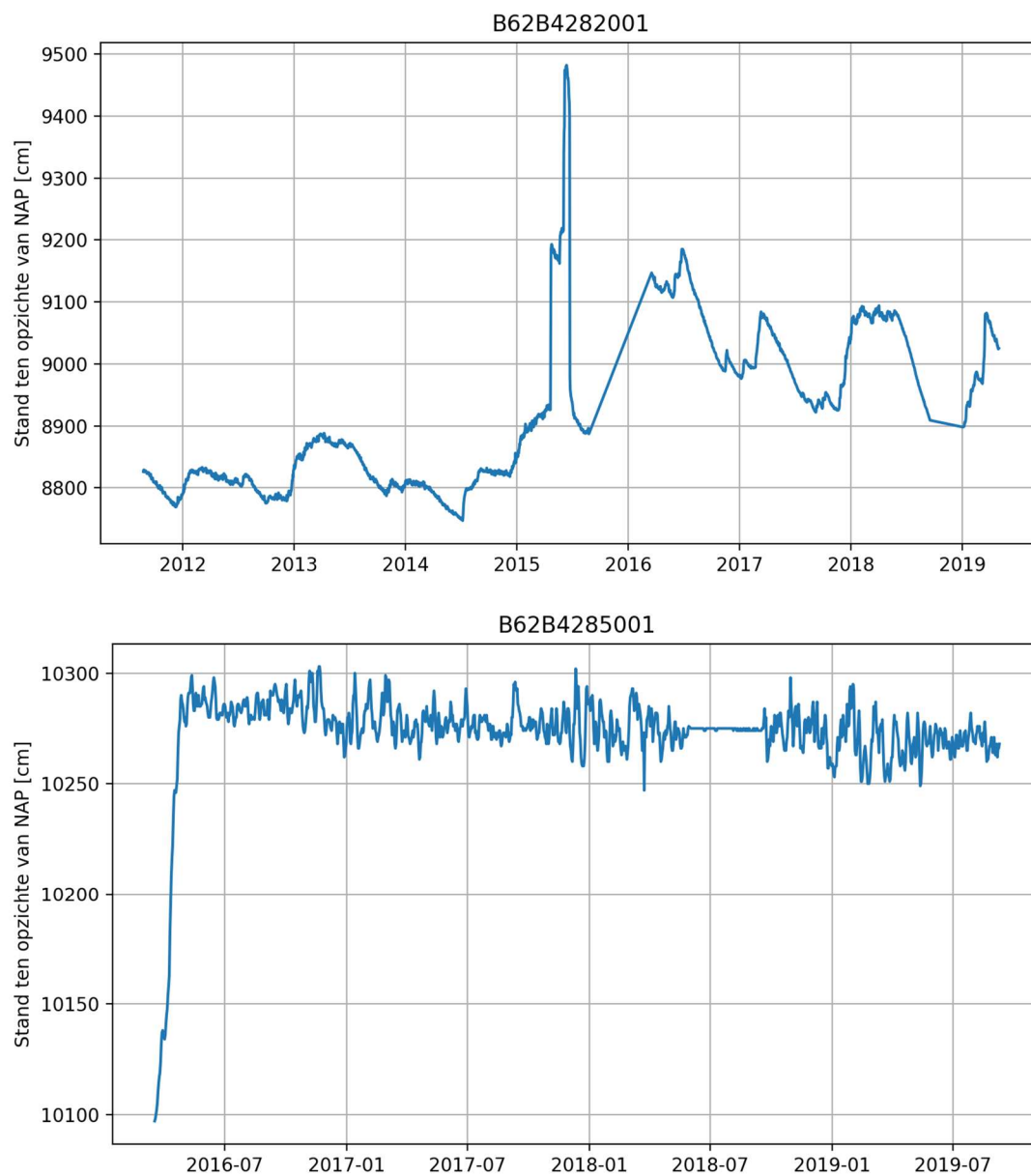


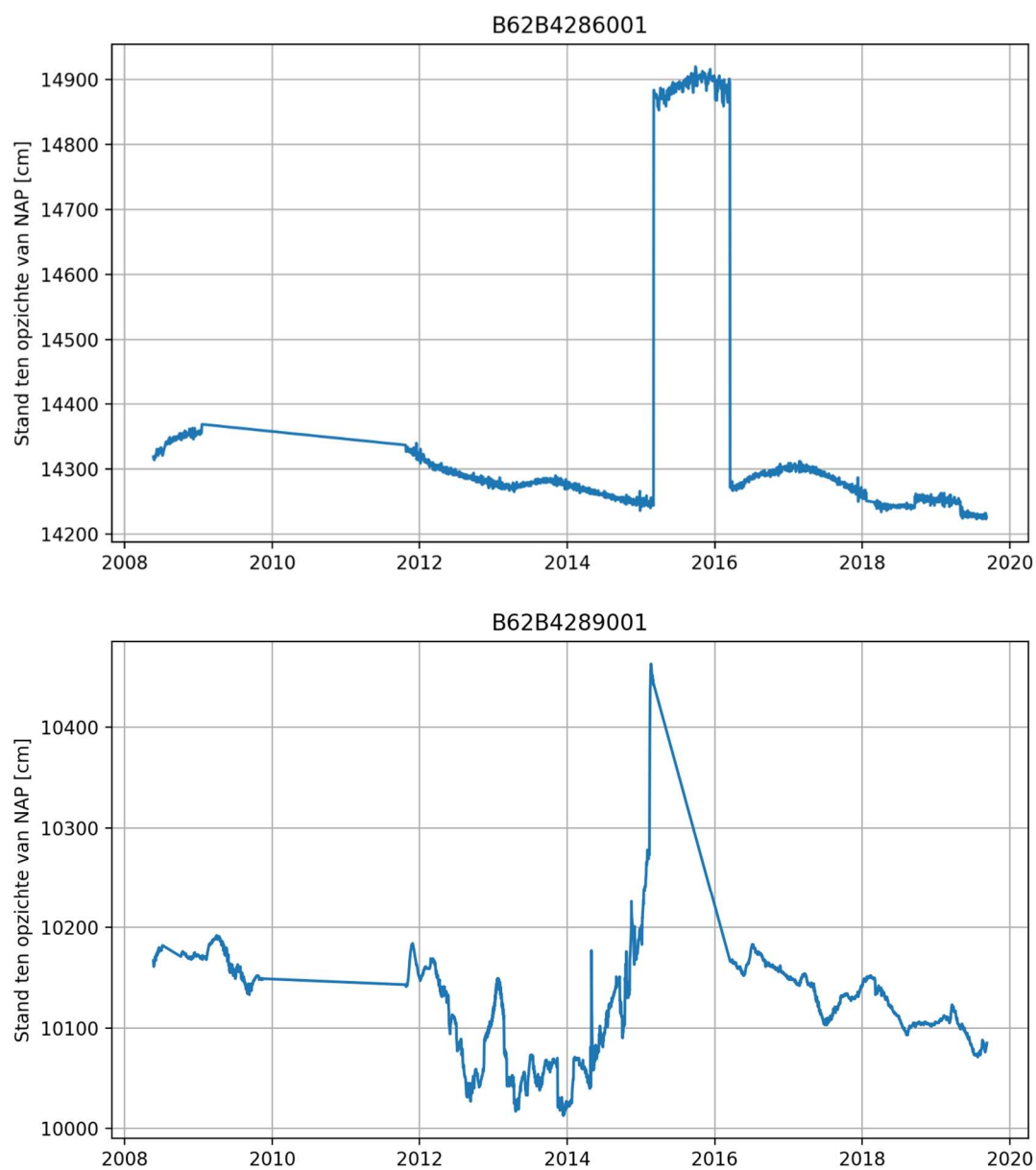


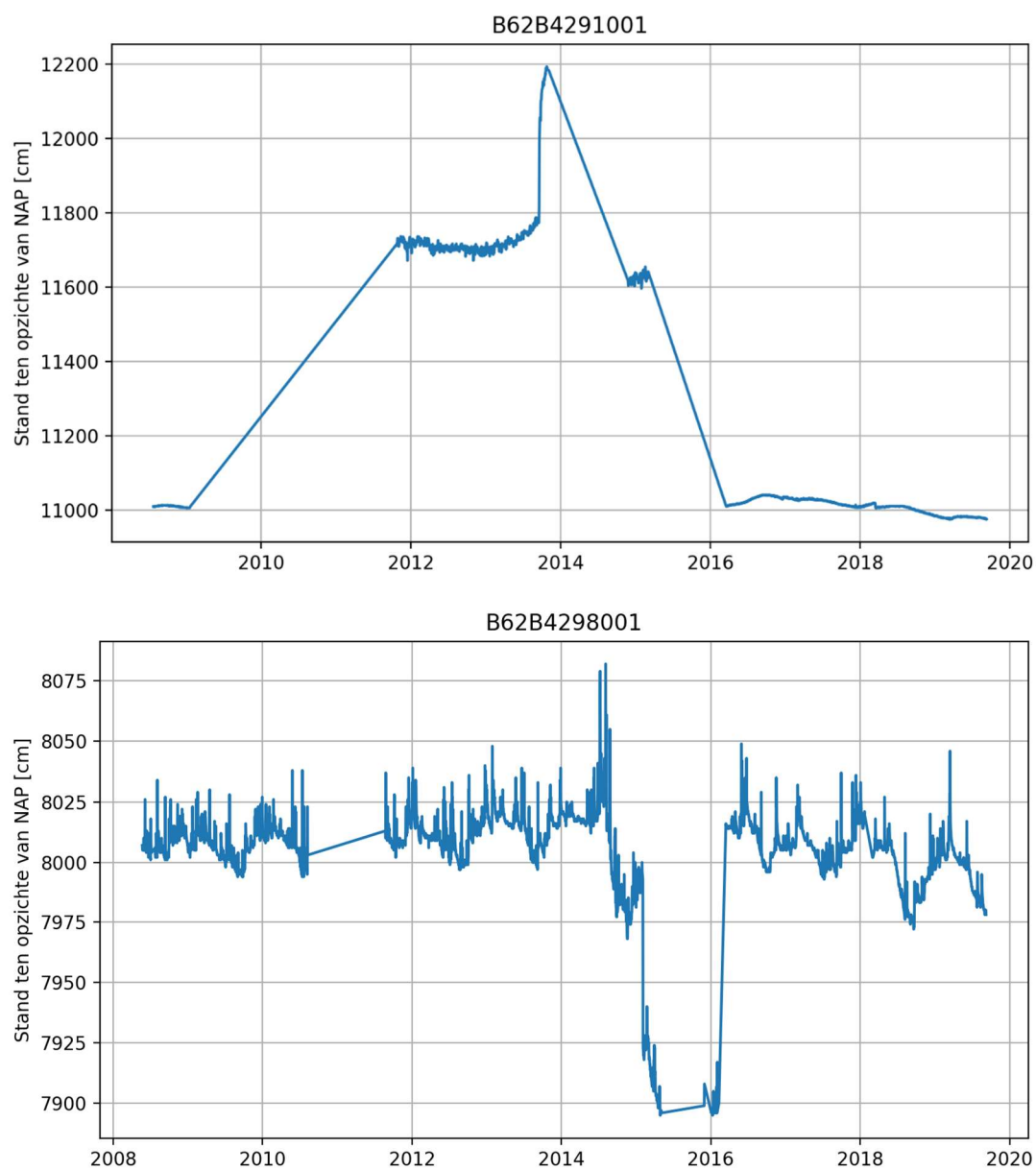




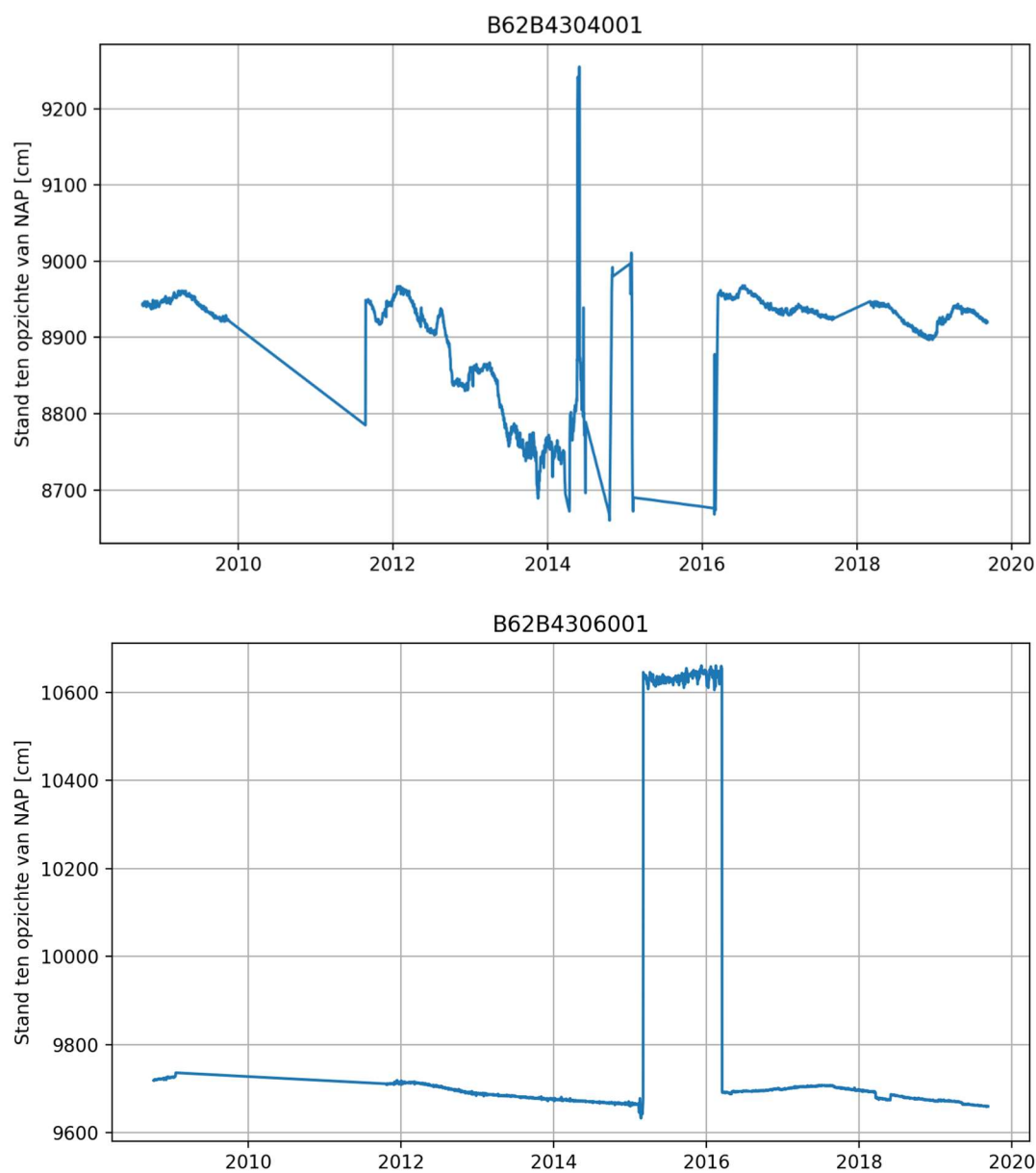


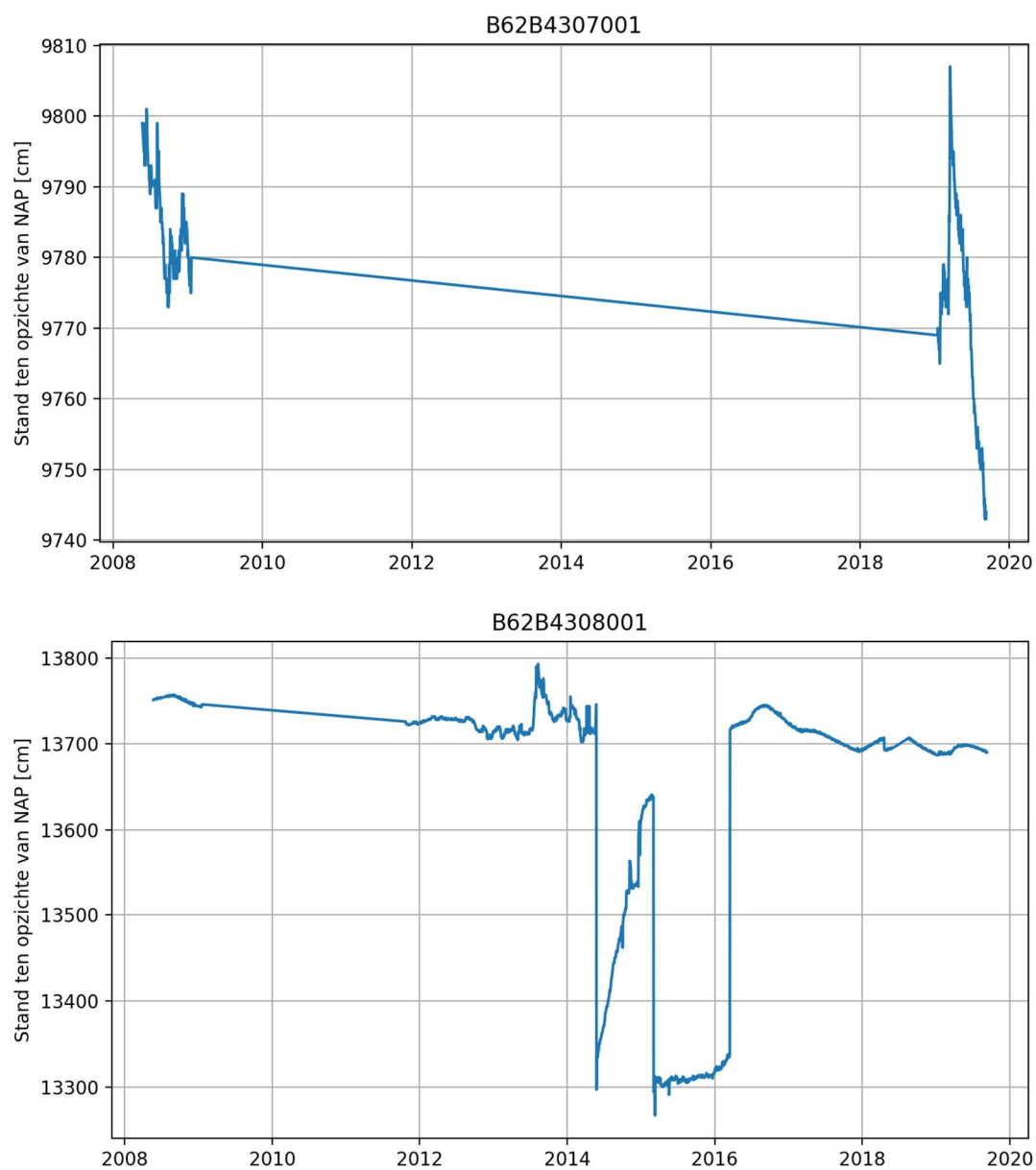


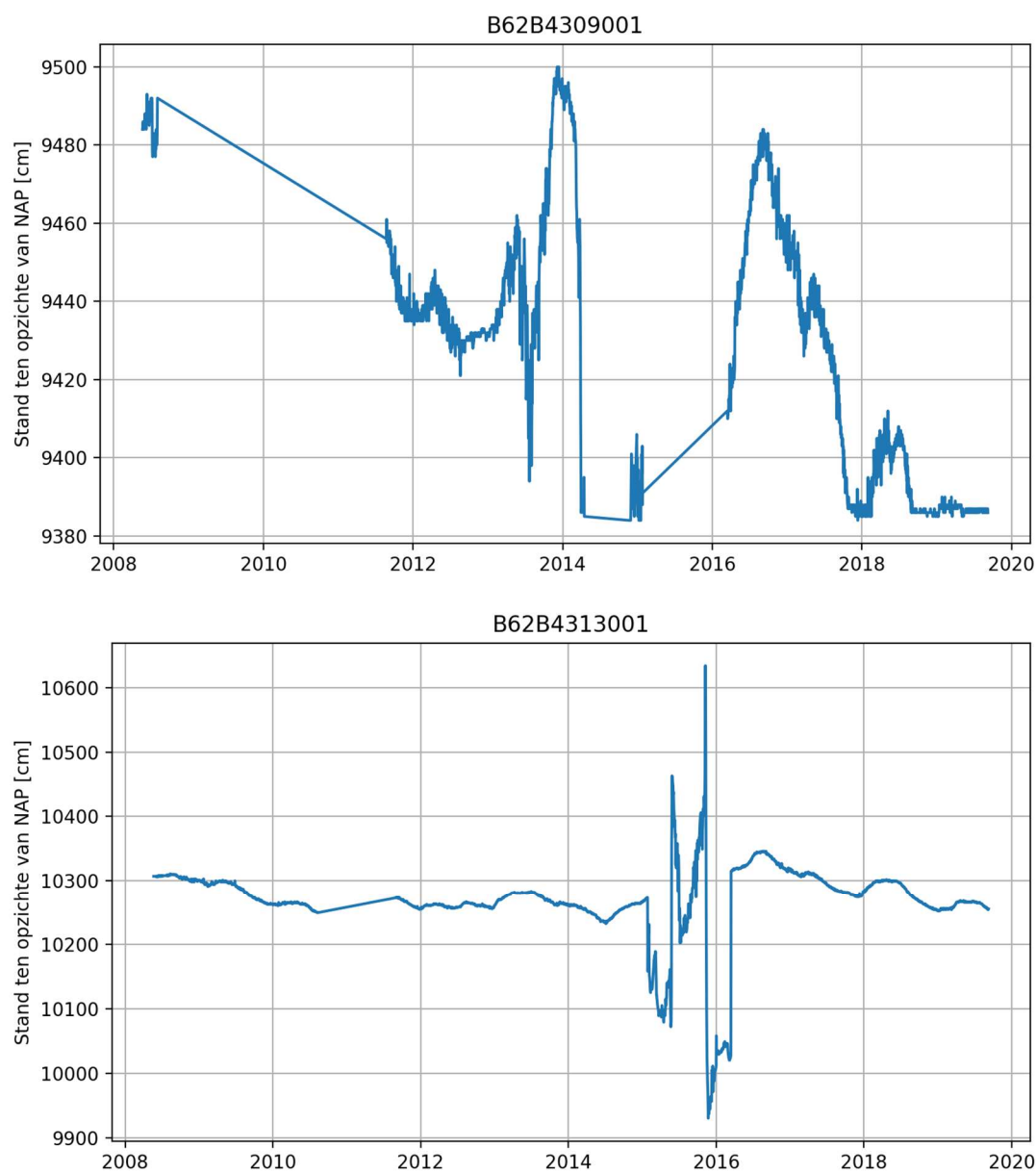


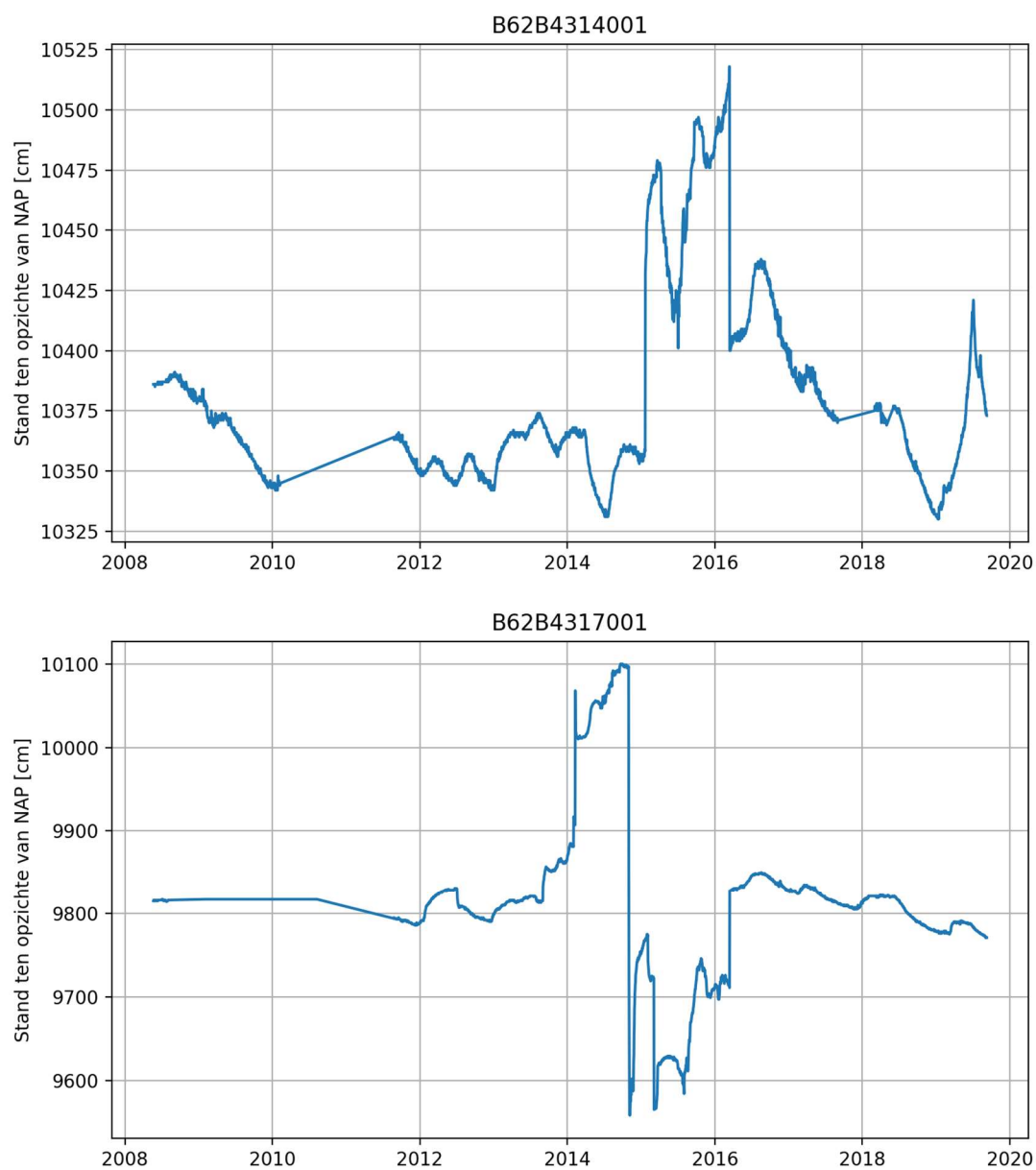


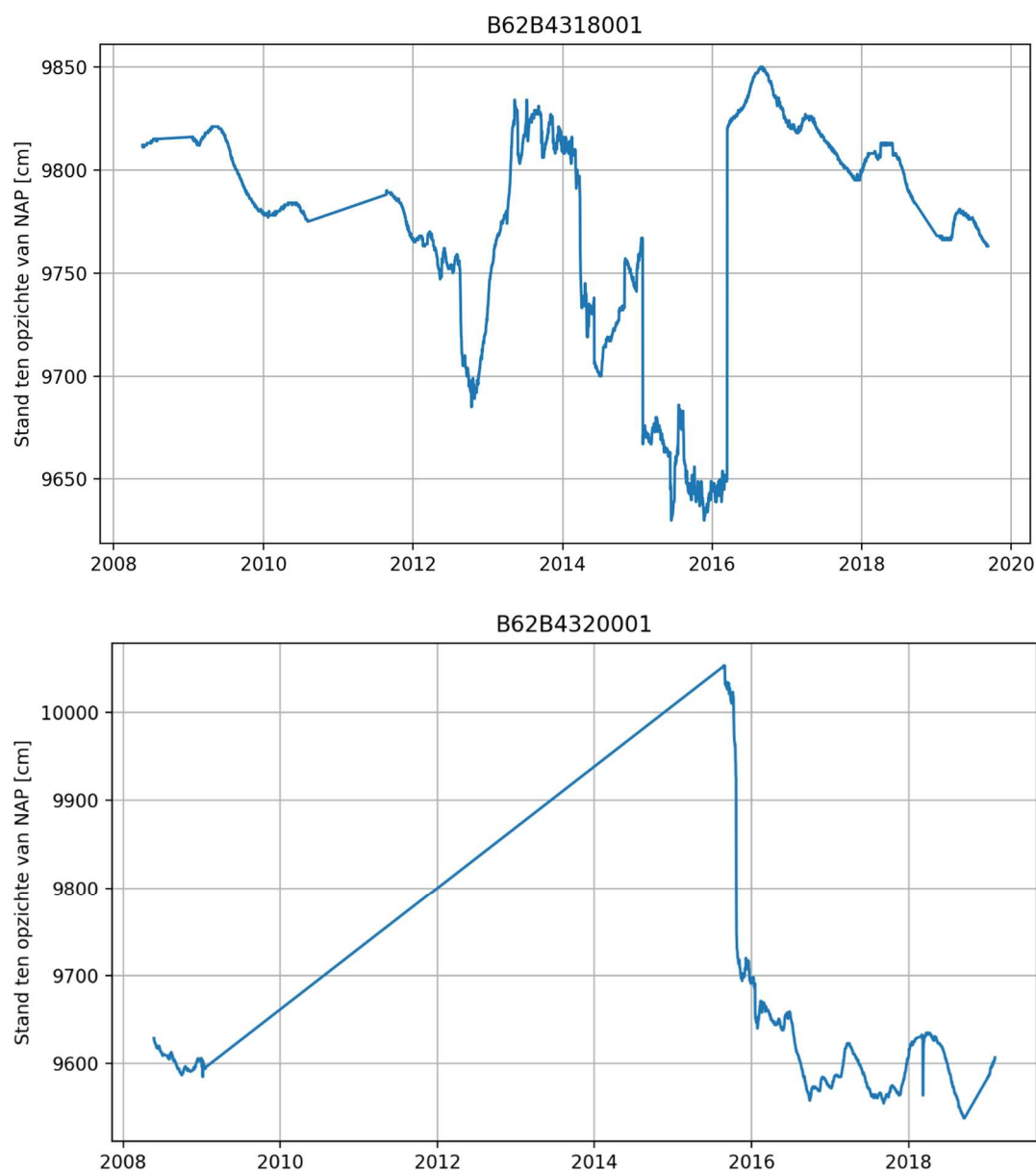


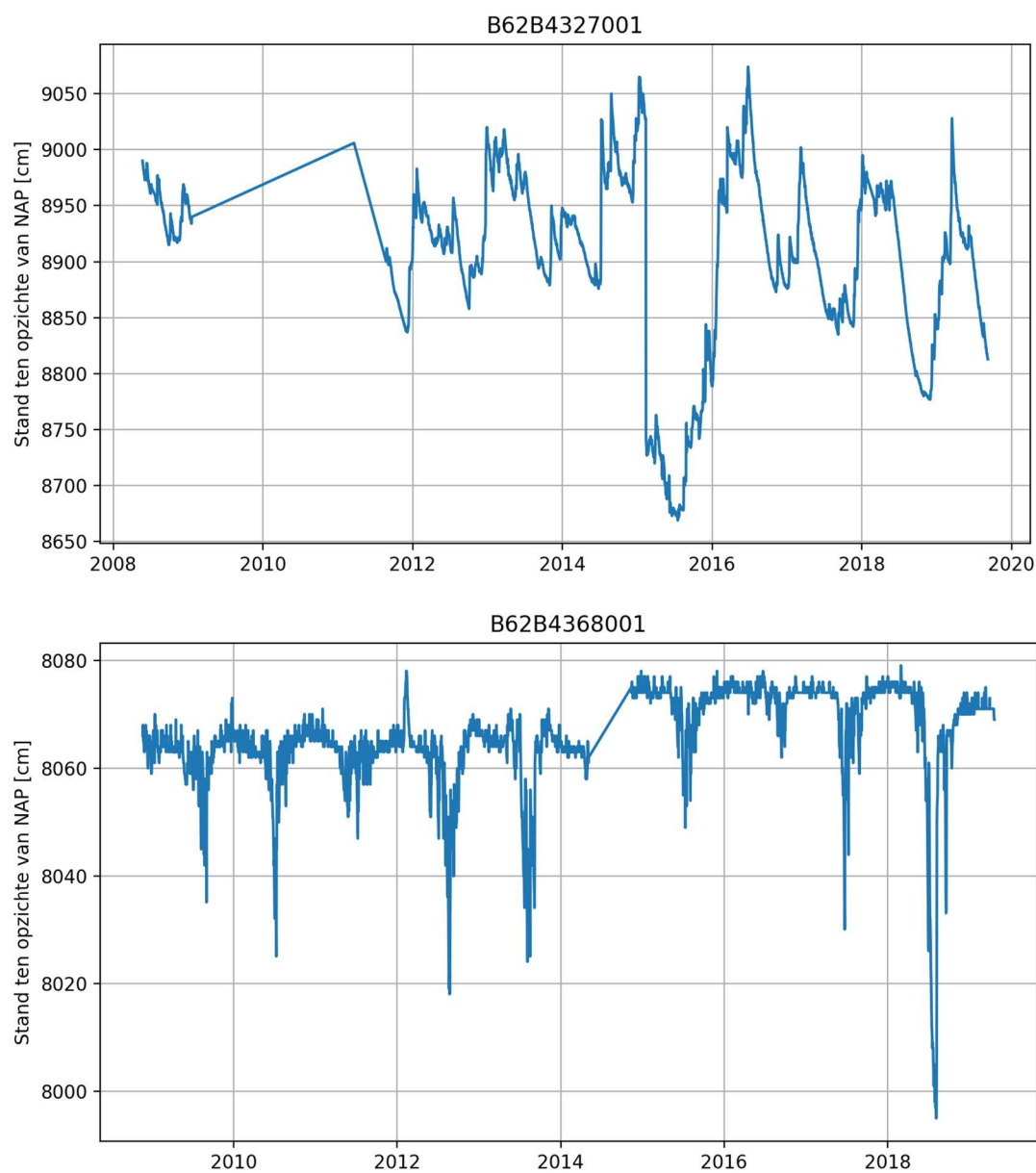


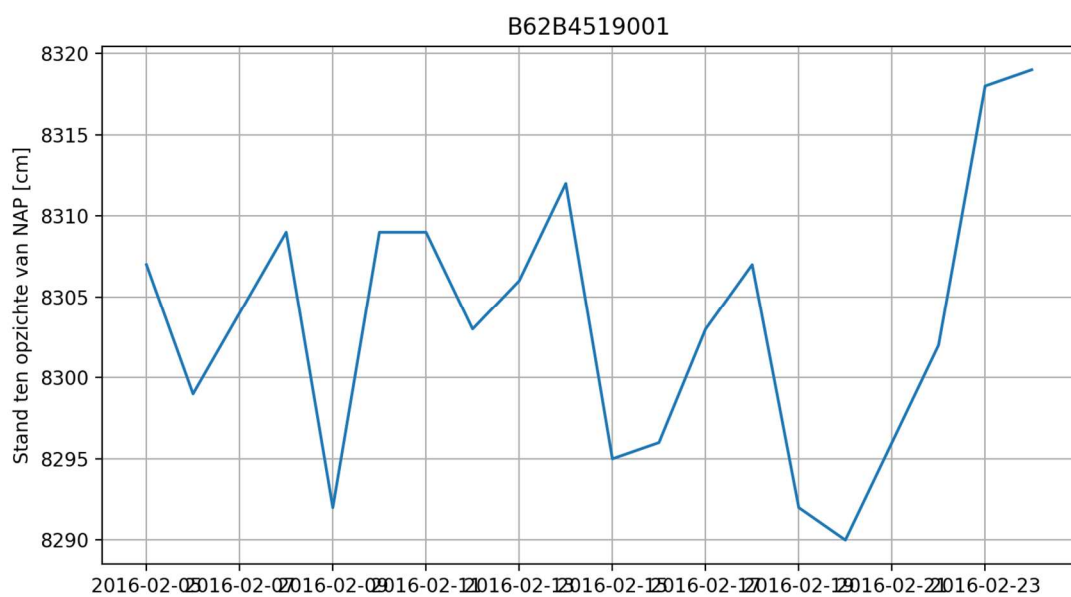
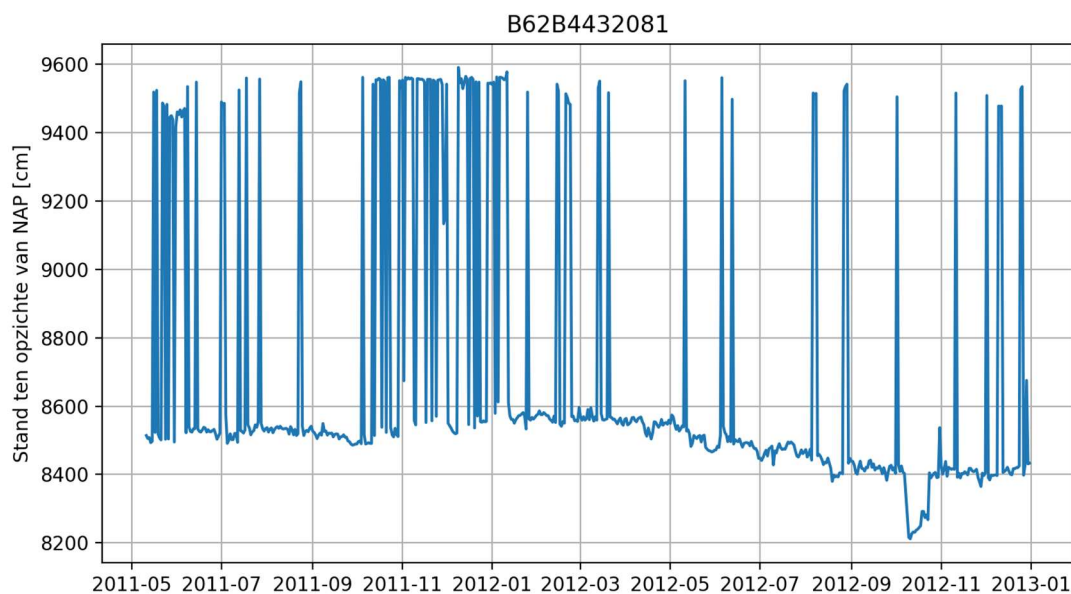


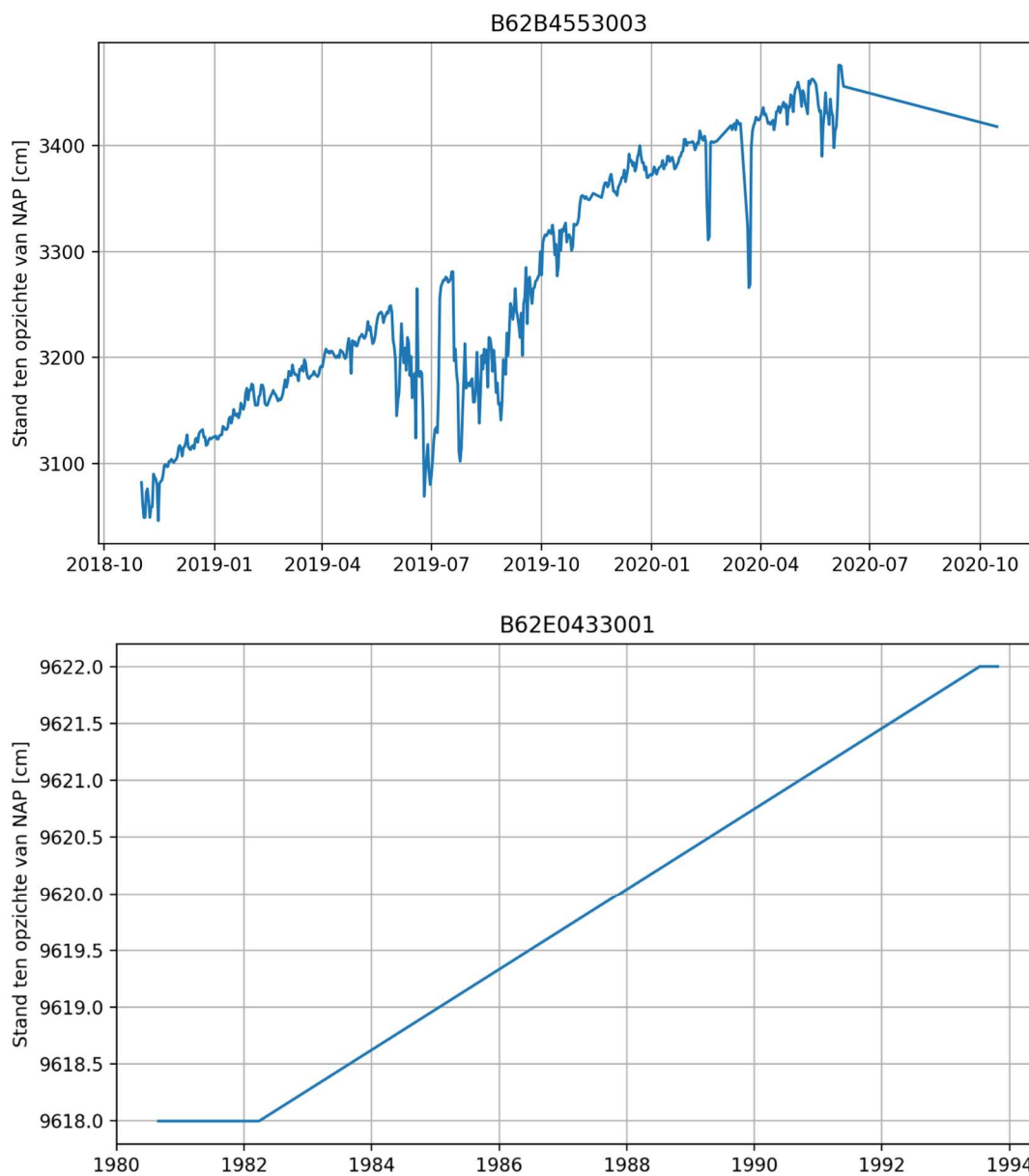




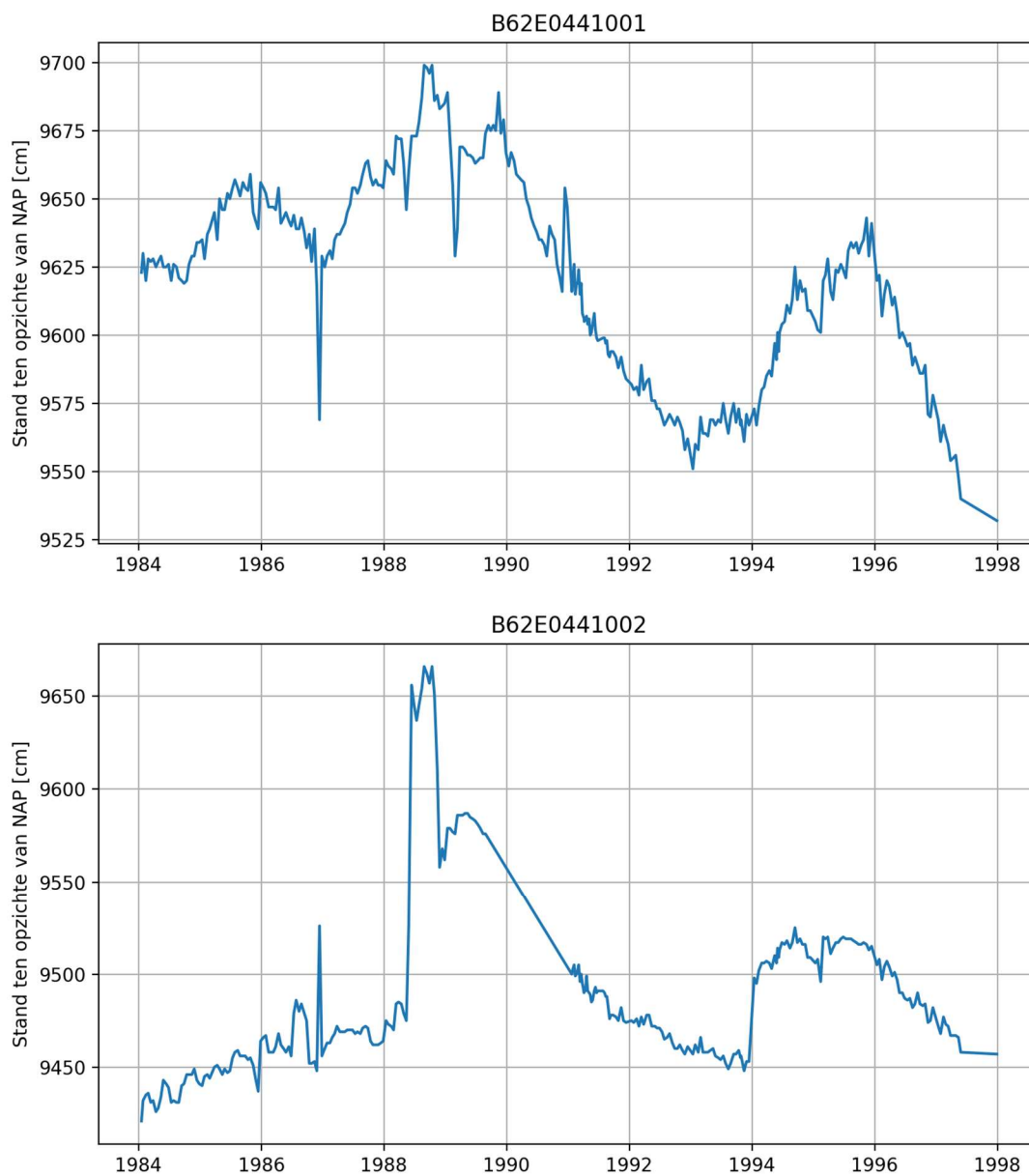


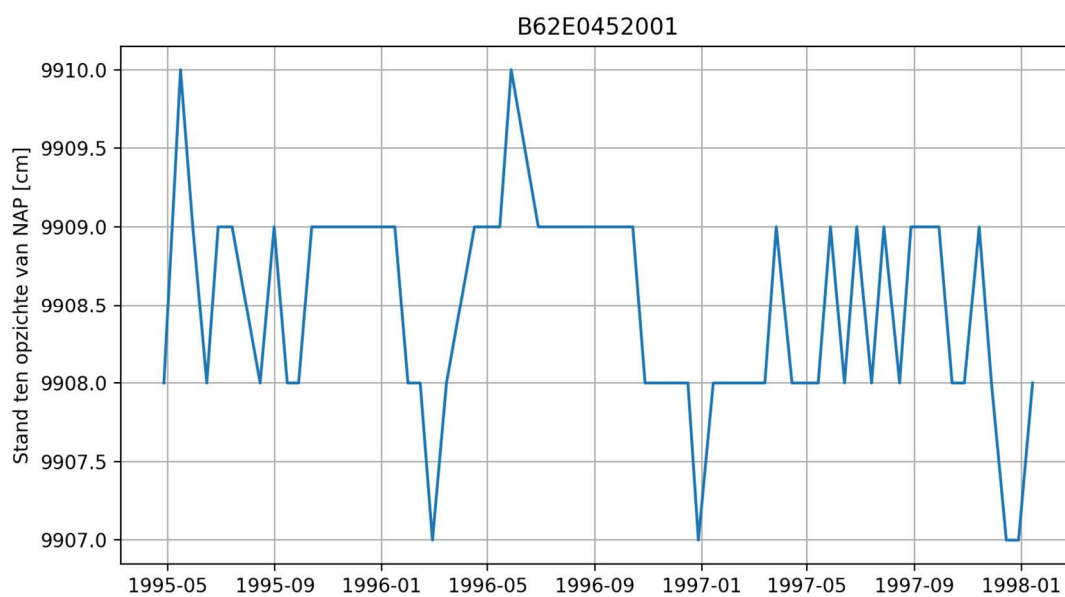
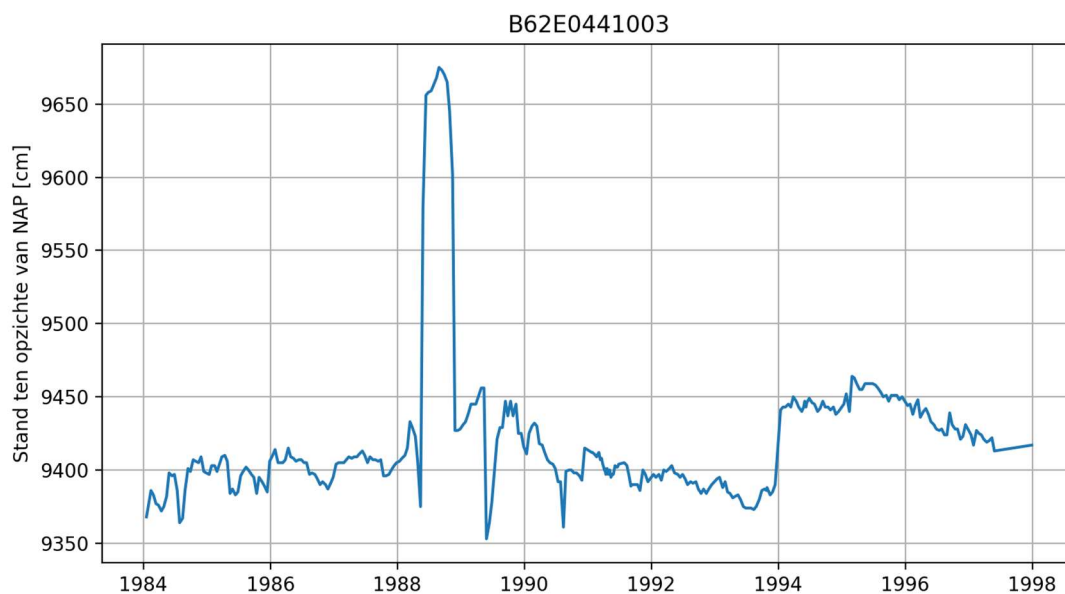


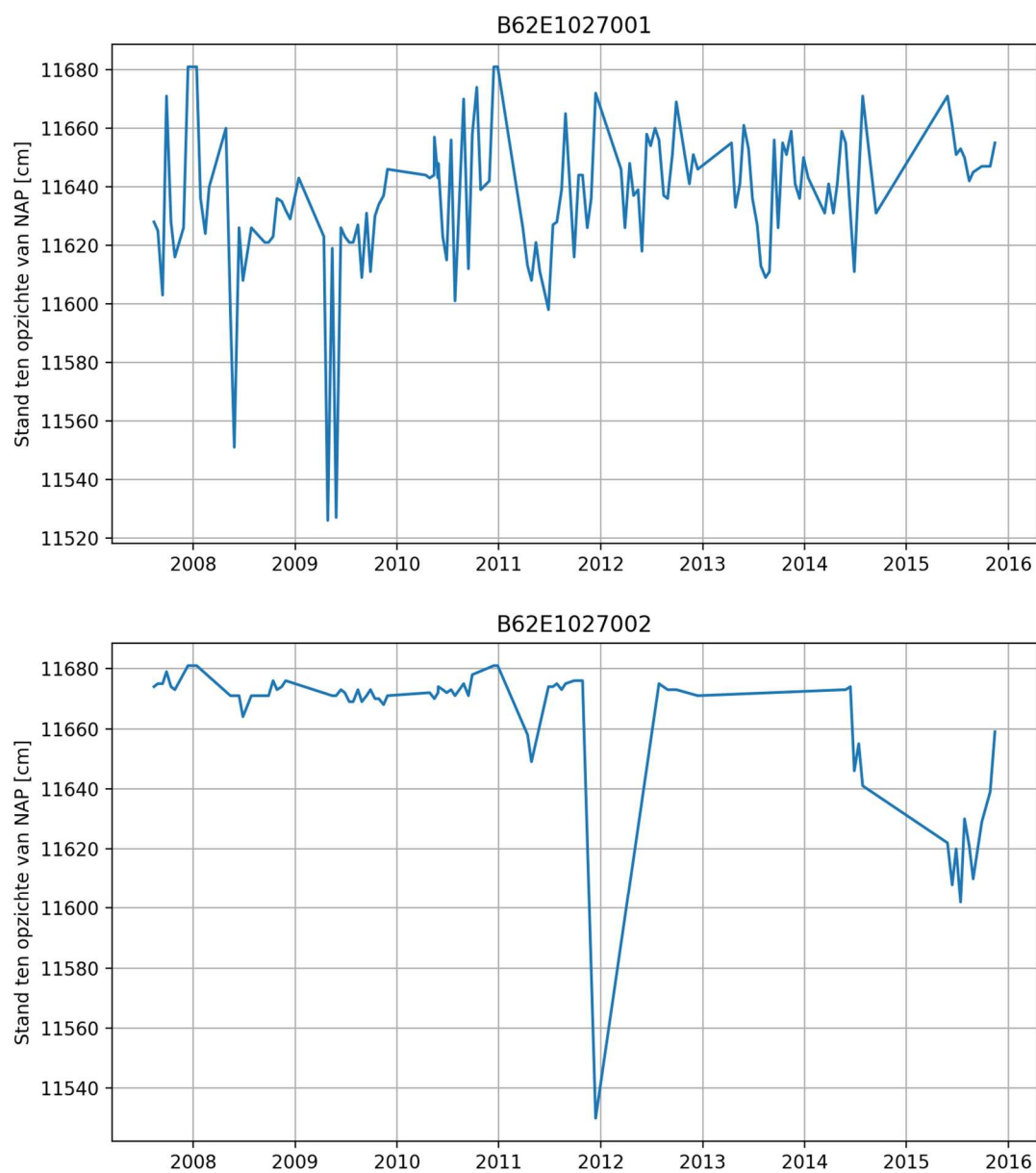


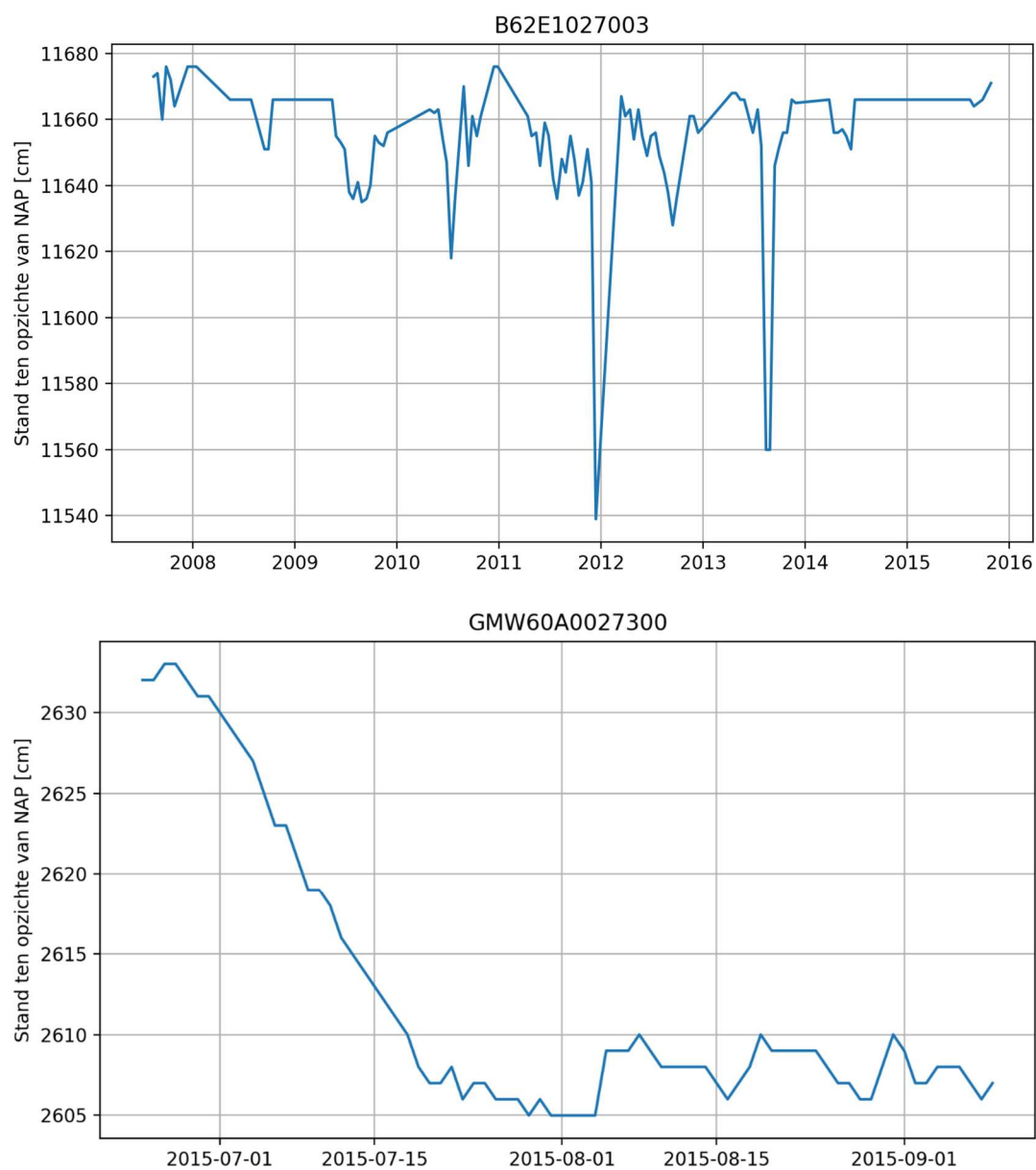


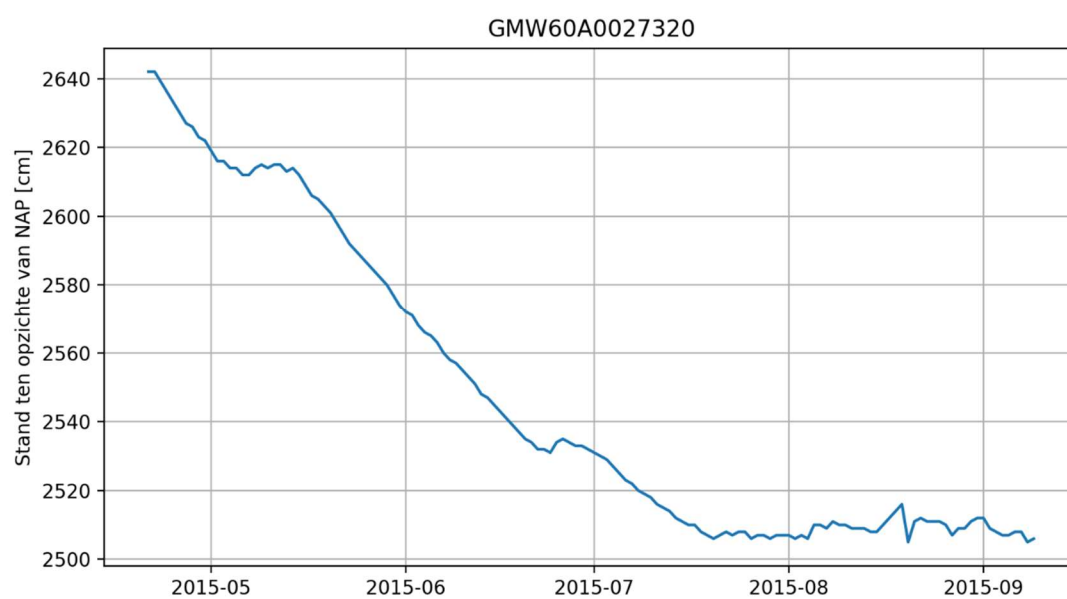
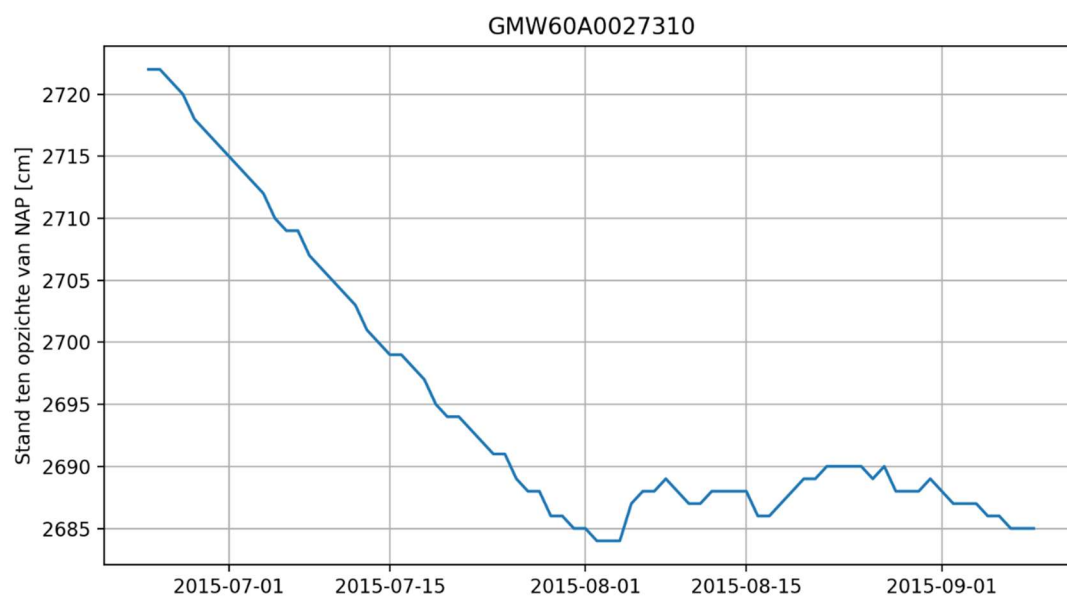


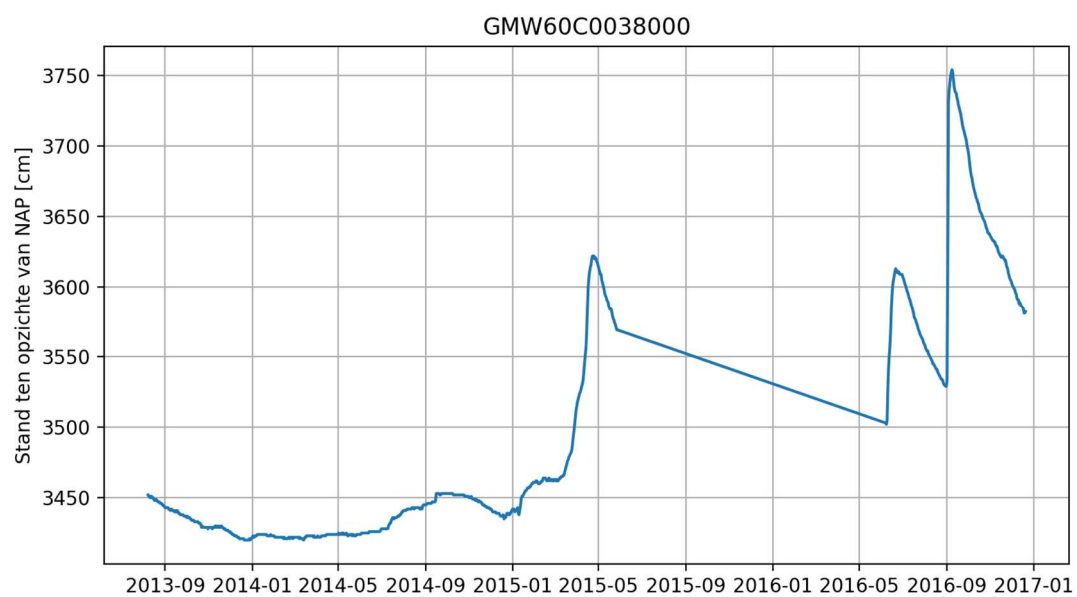
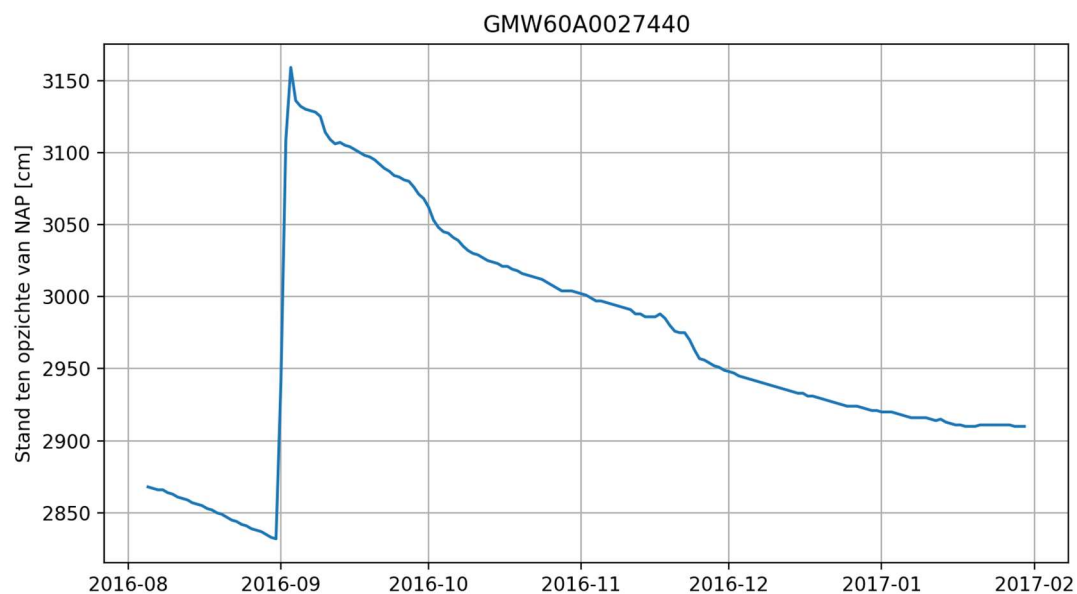


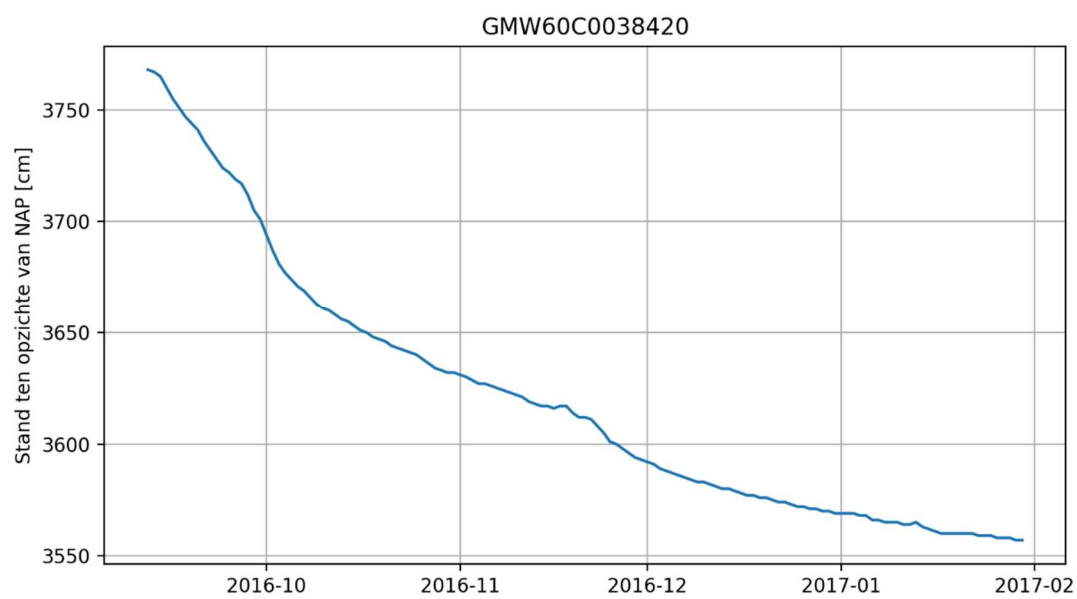
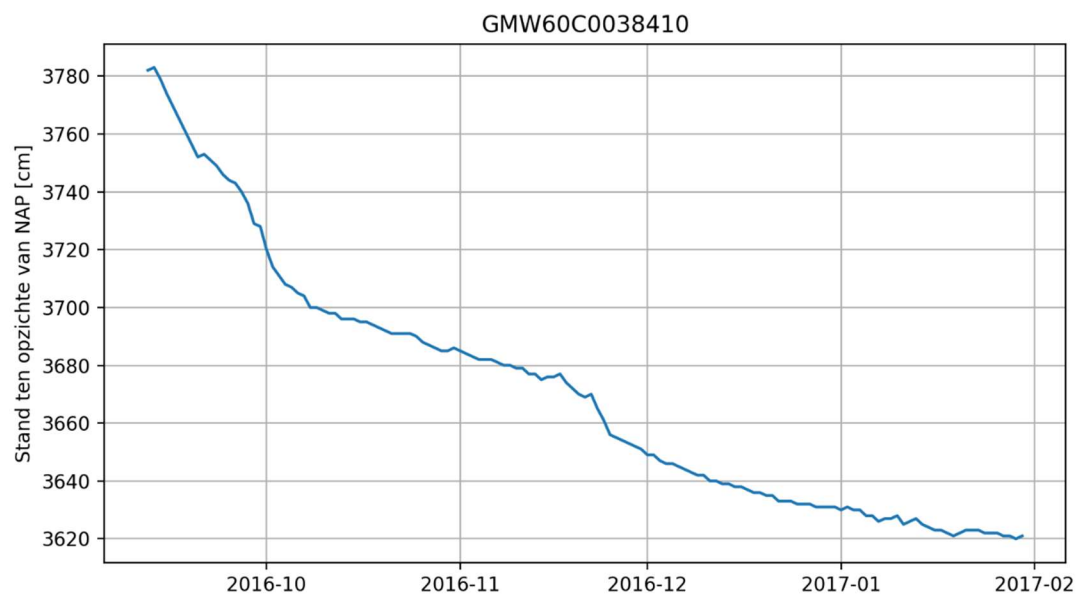


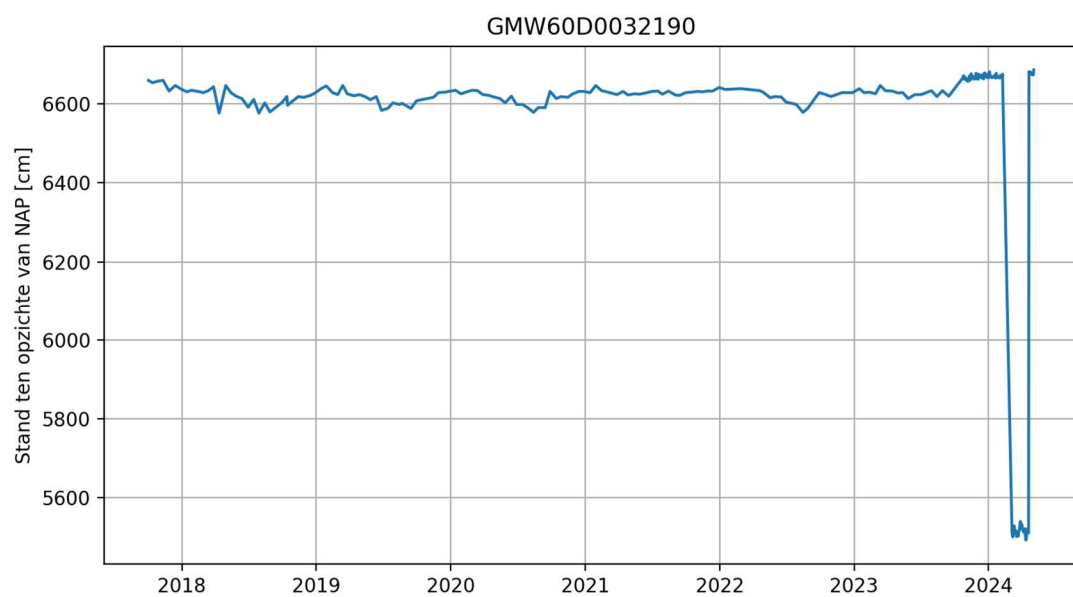
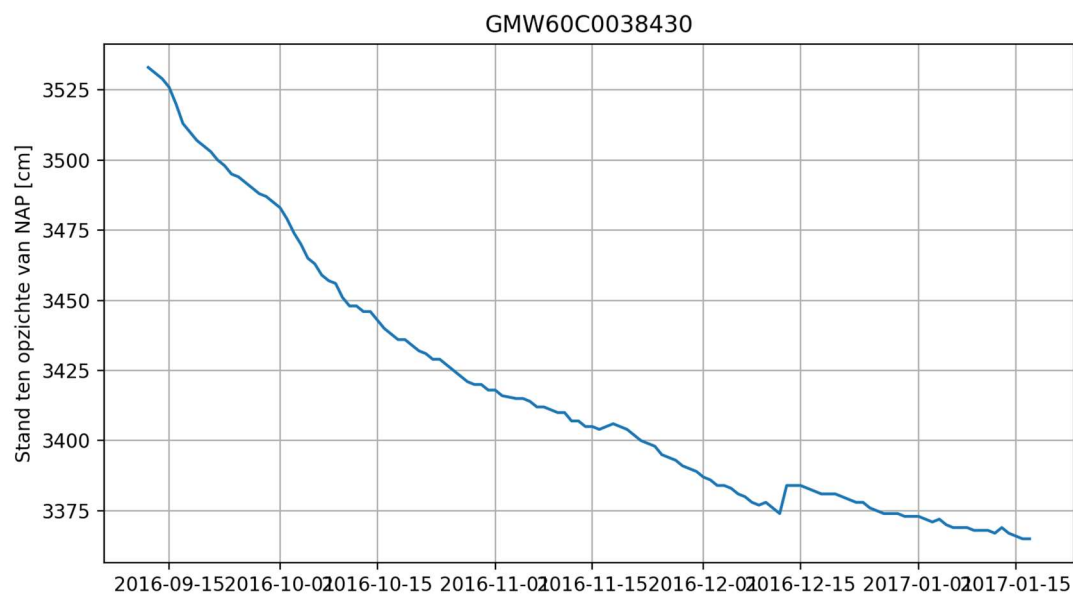




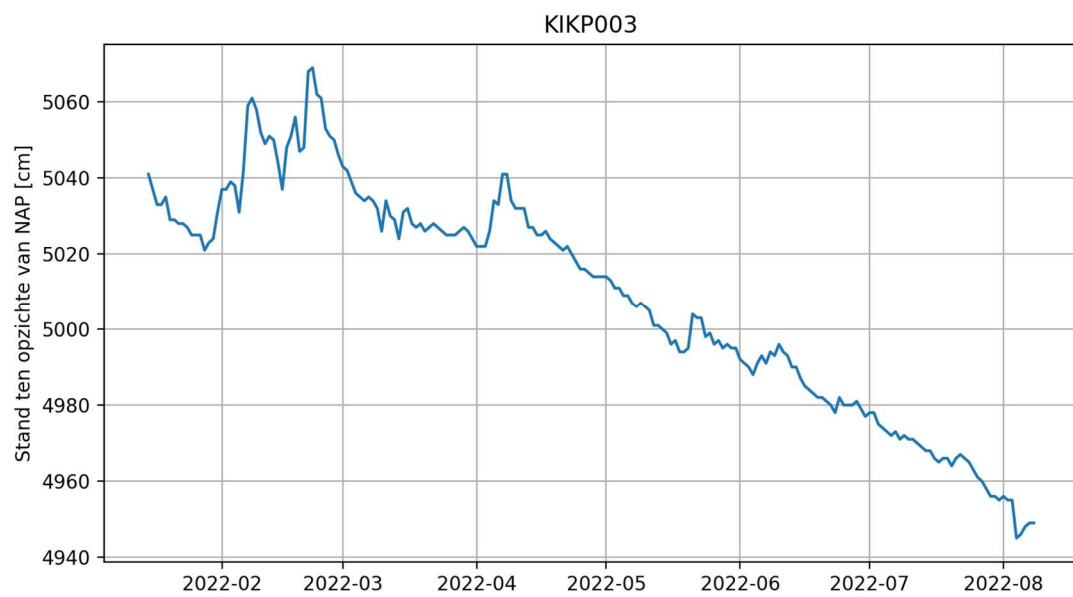
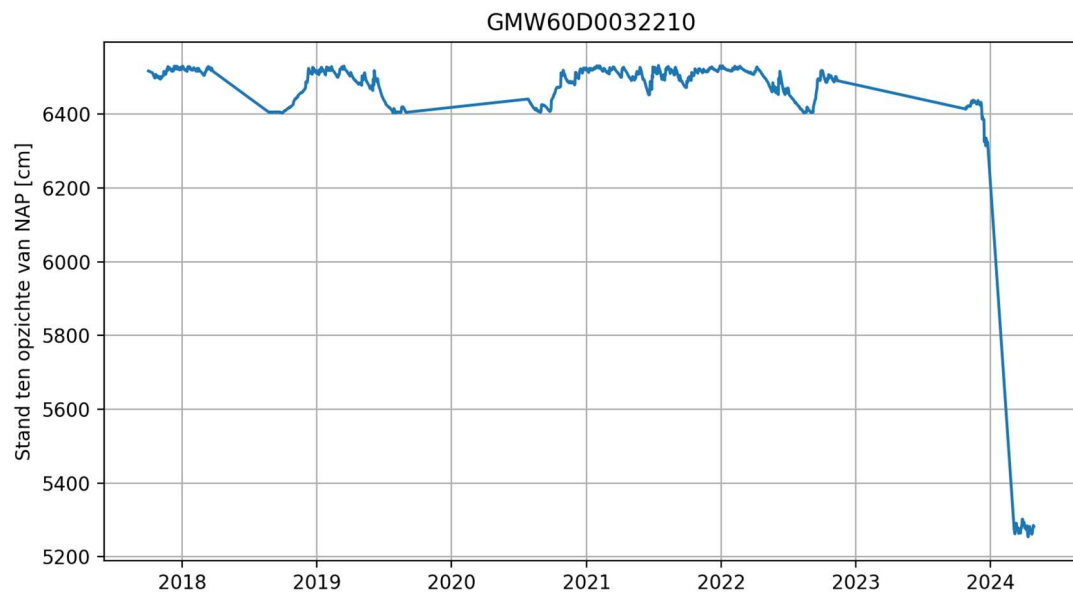


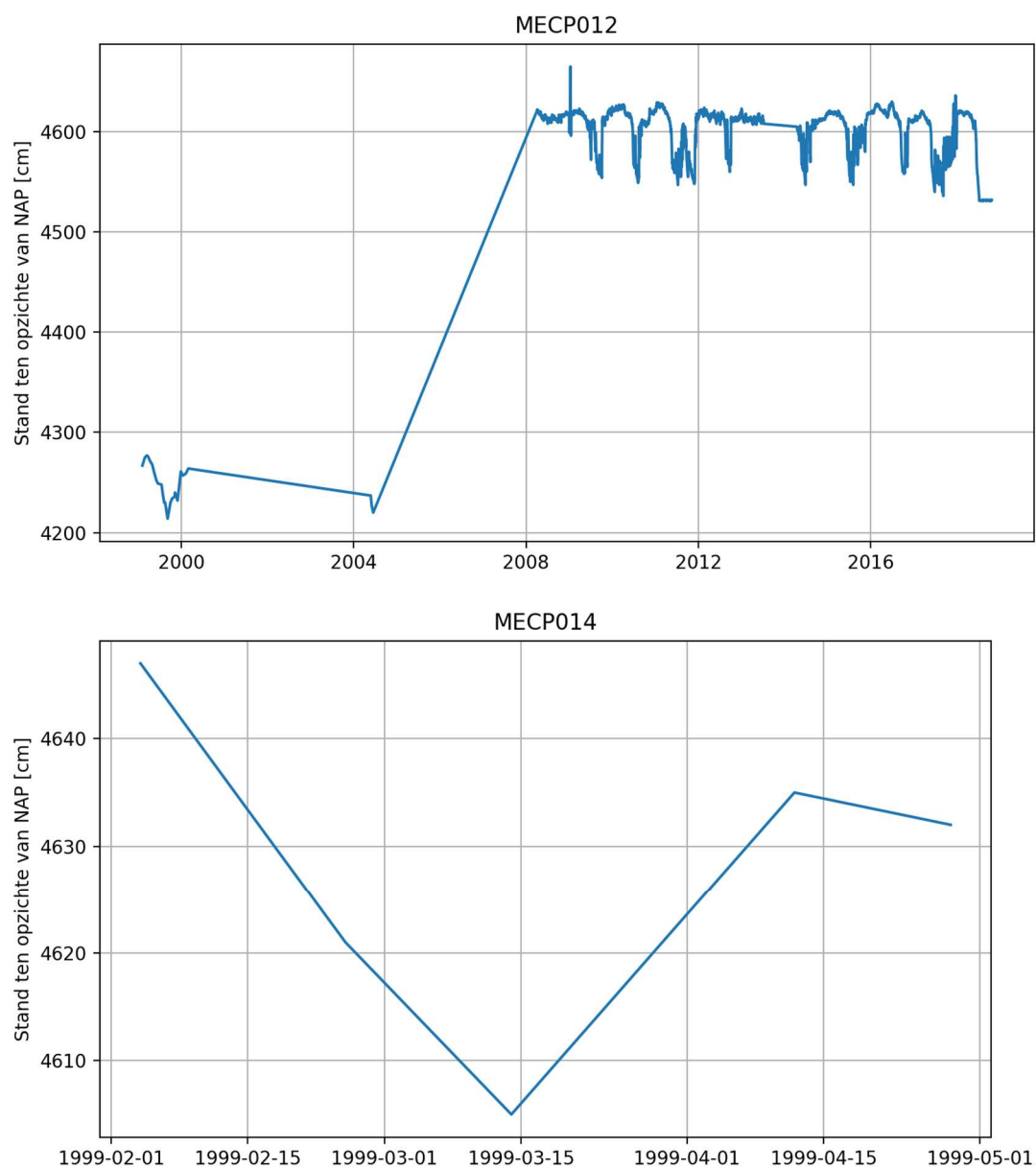


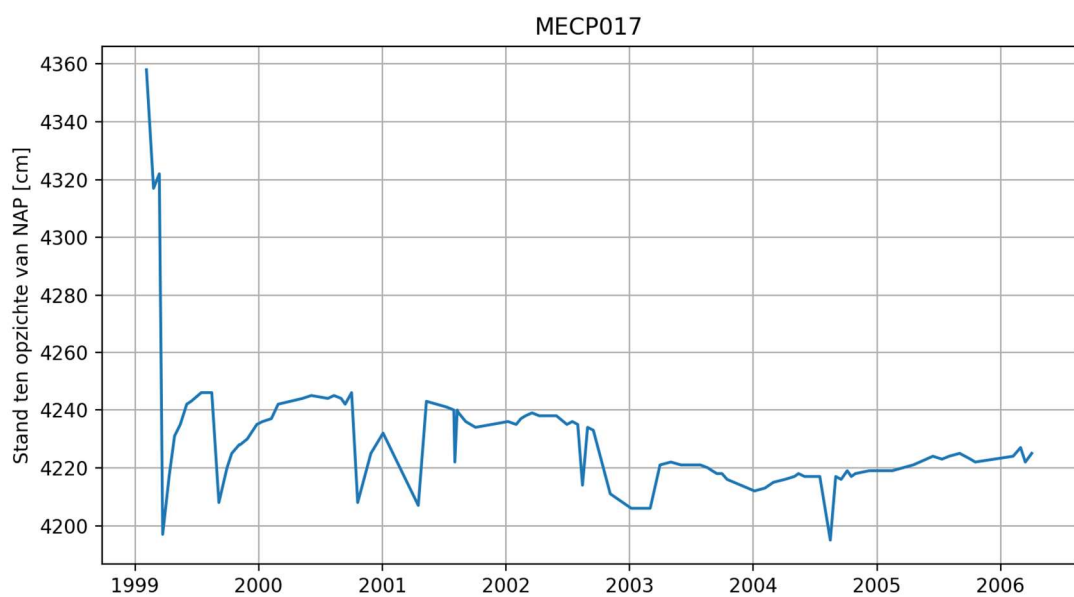
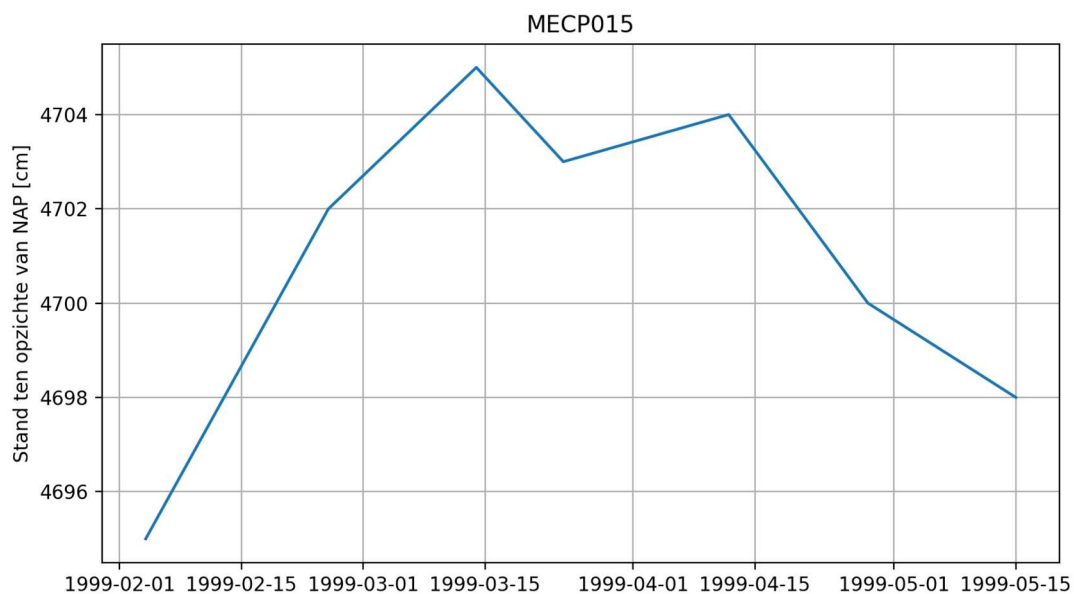


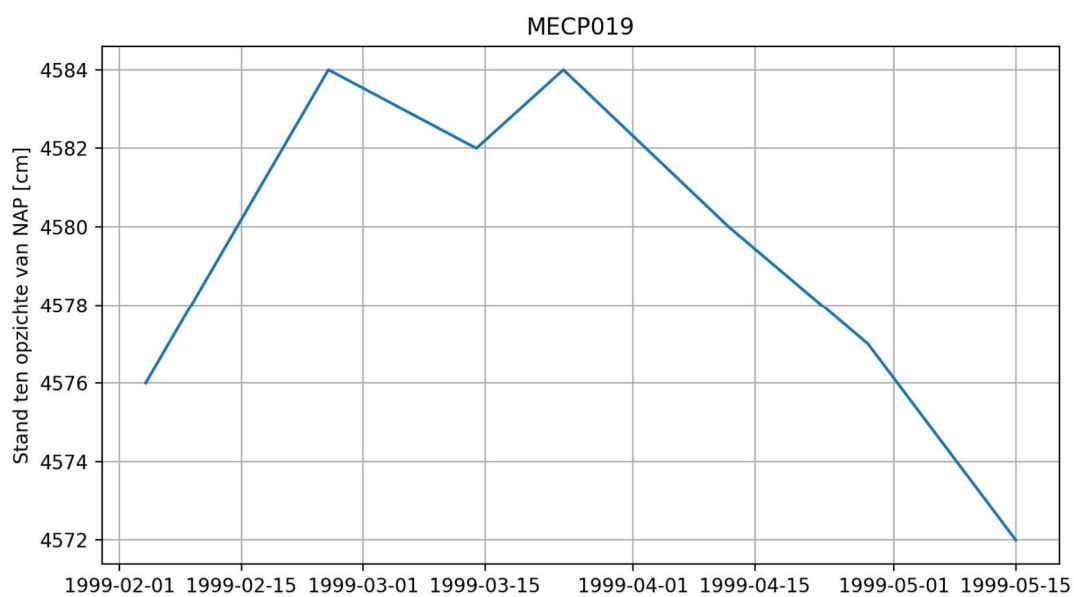
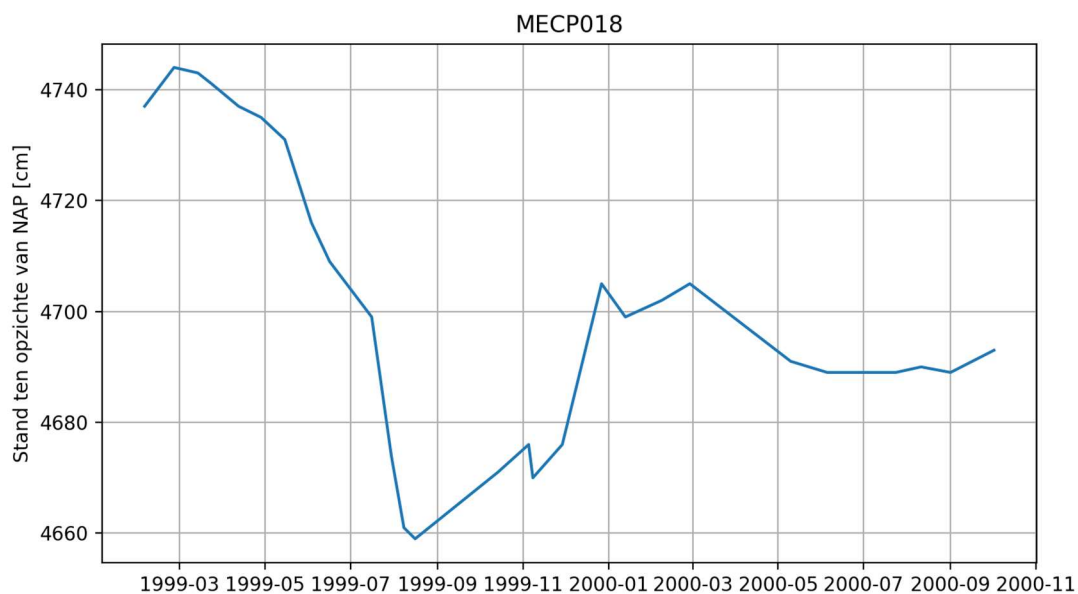


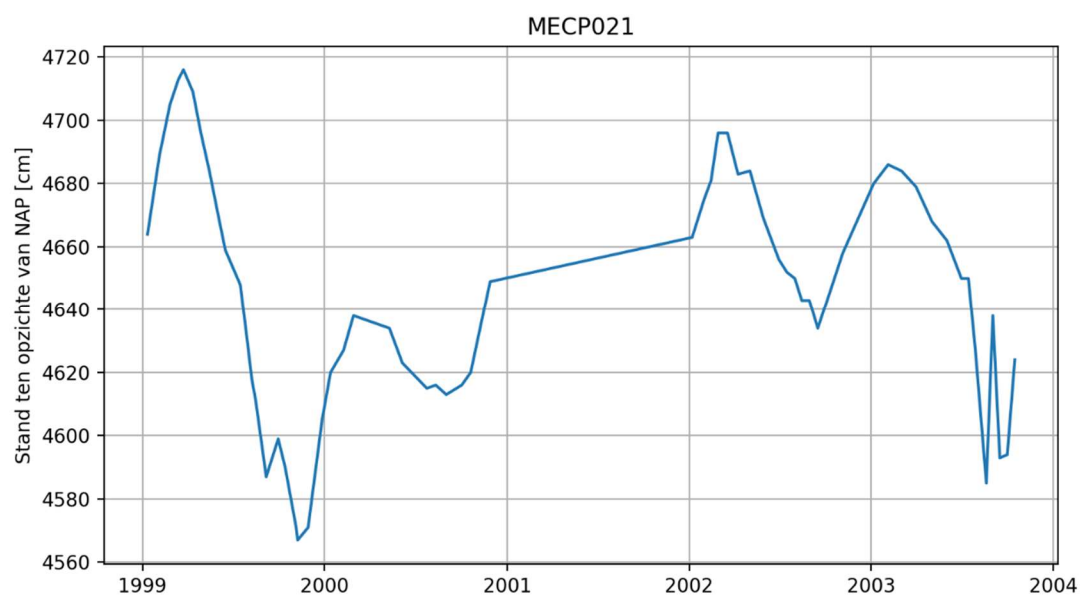
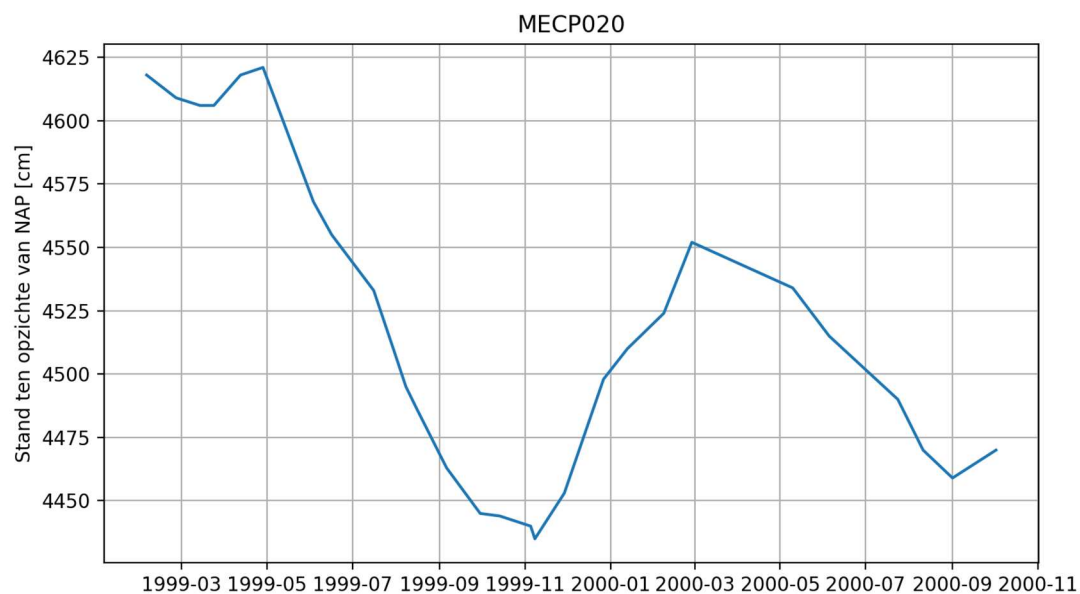


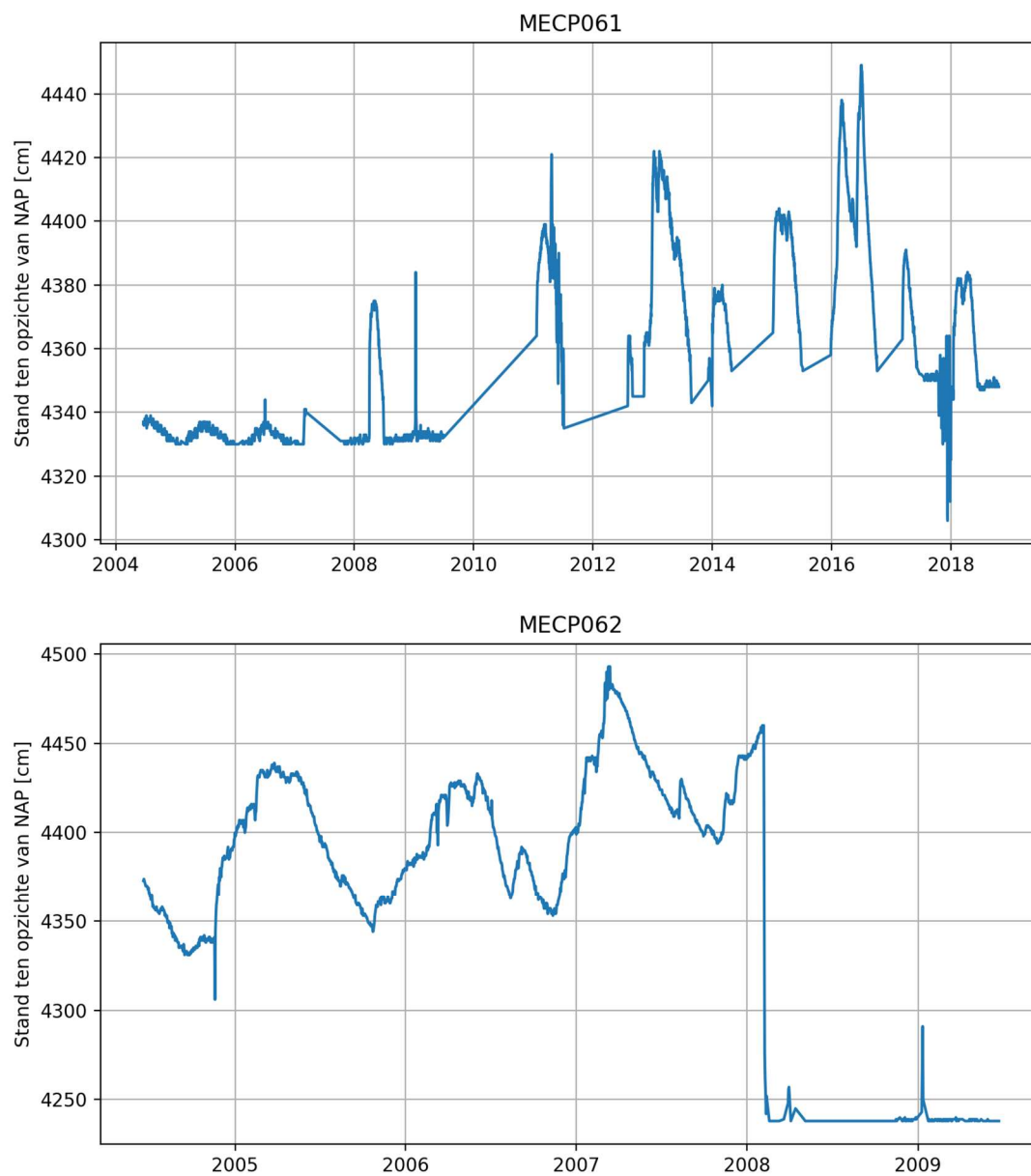


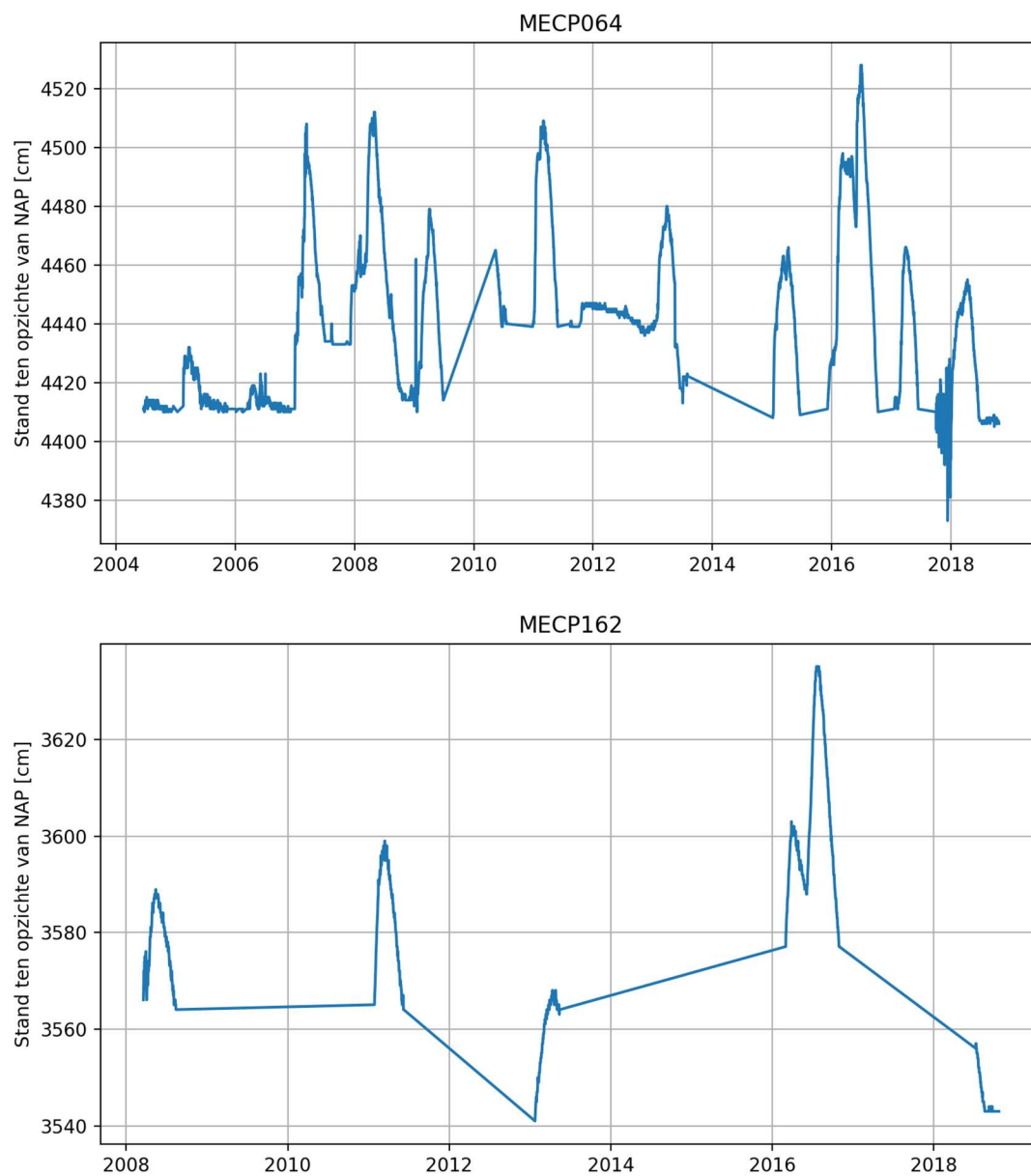


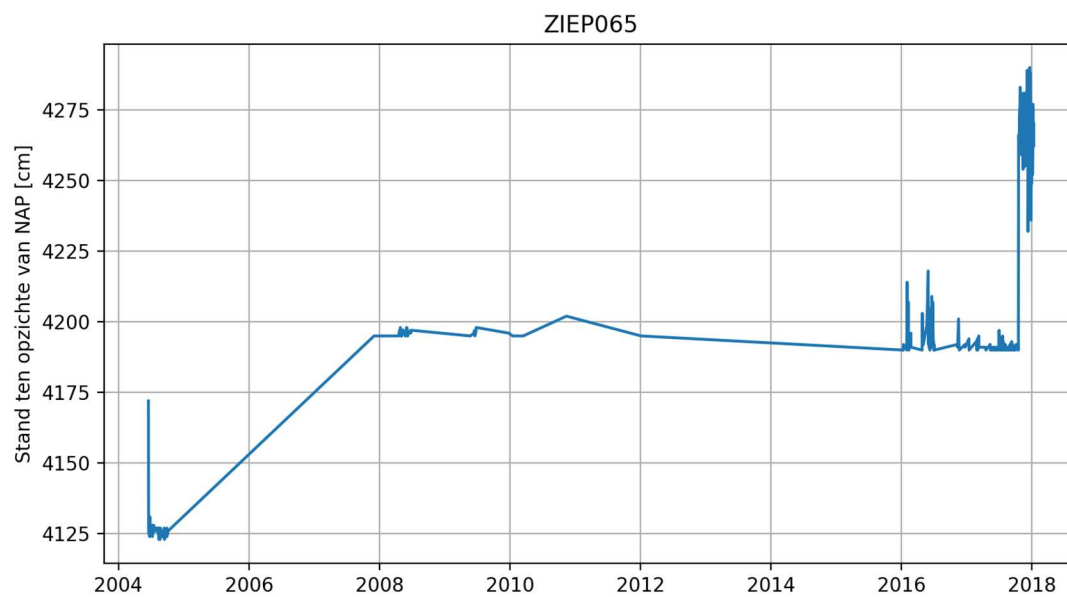














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