
NBS monthly report - 2024 January

MET Norway - NBS team

Oct 03, 2024

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The NBS project

The European Space Agency (ESA) is in charge for the distribution of data from the Sentinel satellite constellation. In order to maintain a reliable and sustainable data hub, the creation and operation of multiples data hubs is necessary. With the purpose of keeping and maintaining a reliable and online source of data from the ESA Sentinel constellation for an Area Of Interest (AOI) covering Norway, the Norwegian Space Agency (NOSA) funded the National Bakke Segment (NBS) project. The map below is indicating the AOI in red.



Therefore, MET Norway was contracted for the operation of the NBS data. The NBS is implemented as a part of the operational infrastructure at MET Norway. As so it follows the normal procedures for planning, implementation and testing, and operations. User access to the NBS is configured according to NOSA requirements. This includes the use of ESA's DHuS software for synchronization between ESA and user accessibility.

The present report is part of MET Norway duties to inform about its performance as operator of the NBS. Monthly reports will be created monthly to regularly communicate the status of MET Norway's NBS.

The Sentinel products

The NBS project includes the management of the data received from Sentinel-1 (S1), Sentinel-2, Sentinel-3 (S3) and Sentinel-5p (S5p) satellites for the specified AOI. Each of the Sentinels has different operational modes for achieving images with different characteristics. Those images can have different processing levels. The products included in the DHR are Level-1 images for all the Sentinels except for Sentinel-2. For which Level-1 (S2L1C) and Level-2 (S2L2A) are both included in the NBS.

BackEnds and FrontEnds

As operator of NBS, the source of Sentinel data is ESA; and ESA spreads the Sentinel data through the Copernicus Data Space Ecosystem (CDSE - dataspace.copernicus.eu). CDSE is ESA's FrontEnd (FE) for Sentinel data accessibility. MET Norway uses the DHS software for synchronization and creation of other FrontEnds. During the synchronization

process a BackEnd (BE) is created. MET Norway is also running two FEs, colhub.met.no and colhub-archive.met.no. The colhub FE includes or will include all the products mentioned for Sentinel global products plus S3 marine products from Copernicus, S1 products from the Kongsberg Satellite Services (KSAT), and S2 Digital Elevation Model (DEM). The colhub-archive FE includes data from S1, S2L1C, S2L2A, S2DEM, S3, S5p products for the AOI. An important distinction between both FEs is that colhub-archive will always maintain available online all the products for the AOI.

In order to maintain an accountability on products synchronized from ESA's CDSE and available for users at the different FEs, it is necessary to understand the architecture of MET Norway's DHR.

ACRONYMS

Here follows a formatted list of acronyms.

BE BackEnd

DEM Digital Elevation Model

DHuS Data Hub Software

ESA European Space Agency

FE FrontEnd

KSAT Kongsberg Satellite Services

MET Norway Meteorological Institute of Norway

CDSE Copernicus Data Space Ecosystem

S1 Sentinel-1

S2 Sentinel-2

S2L1C Sentinel-2 Level-1 C

S2L2A Sentinel-2 Level-2 A

S3 Sentinel-3

S5p Sentinel-5p

QUICK SUMMARY

The table below shows a short overview of the NBS performance operation during the last 30 days. The number of products are compared against CDSE. All columns represents the number of products in each portal except the last 3 columns. Those 3 columns represents the data flow from MET Norway to users through the portals where Volumes are measured in Tb.

Portals	S1	S2L1C	S2L2A	S3	S5p	Nb of users	Nb of products	Volume
colhub.met.no	7830	4888	4913	20886	8725	21	13952	7.736
colhub-archive.met.no	7804	4824	4845	20533	8547	0	0	0.000
dataspace.copernicus.eu	10663	5565	5565	31370	0			

Finally, the total amount of disk space dedicated to the NBS project, including either products in SAFE and NetCDF formats, represents 5293 Tb.

Due to tracking the data ingested and produced for the NBS project in the last year it is possible to forecast the upcoming need for disk space. As long as data flows follows the same pattern than last year, in 6 months the total disk space will grow until 5585 Tb; while in 12 months it is forecast to become 7011 Tb.

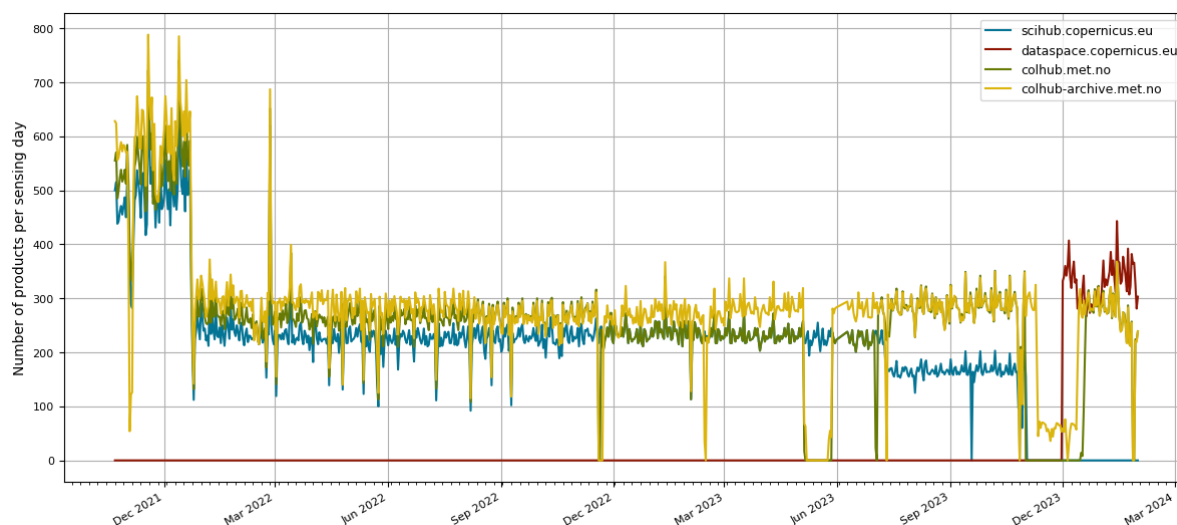
SENTINEL-1 PRODUCTS

This section shows the performance of MET Norway for Sentinel-1 products. Both, an overall status and last month status are shown below.

Note that scihub is no longer in operation but is included for historical comparisons.

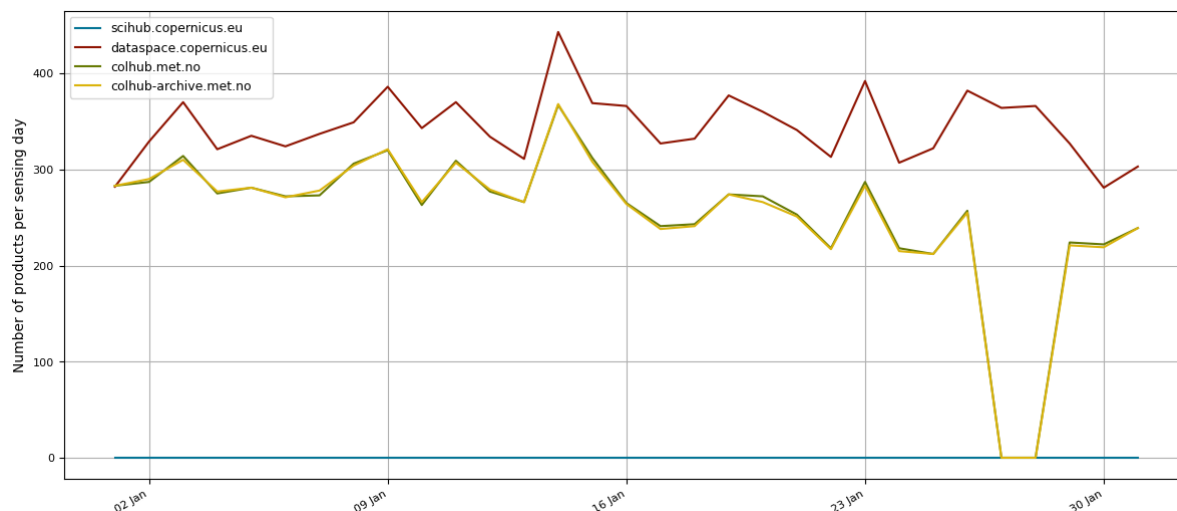
3.1 Products on portals

The following section contains an update on the Sentinel-1 products included in the different FEs and BEs.



The figure above represents the overall number of products present in the different BackEnds and FrontEnds per day for Sentinel-1.

While the figure below shows a zoom on the last month.



A table is also included for more detailed information.

	colhub.met.no	dataspace.copernicus.eu	colhub-archive.met.no
sensing_date			
2024-01-01	283.0	282.0	283.0
2024-01-02	287.0	329.0	290.0
2024-01-03	314.0	370.0	310.0
2024-01-04	275.0	321.0	277.0
2024-01-05	281.0	335.0	281.0
2024-01-06	272.0	324.0	271.0
2024-01-07	273.0	337.0	278.0
2024-01-08	306.0	349.0	304.0
2024-01-09	320.0	386.0	321.0
2024-01-10	263.0	343.0	266.0
2024-01-11	309.0	370.0	307.0
2024-01-12	277.0	334.0	279.0
2024-01-13	266.0	311.0	266.0
2024-01-14	367.0	443.0	368.0
2024-01-15	312.0	369.0	308.0
2024-01-16	265.0	366.0	264.0
2024-01-17	241.0	327.0	238.0
2024-01-18	243.0	332.0	241.0
2024-01-19	274.0	377.0	274.0
2024-01-20	272.0	360.0	266.0
2024-01-21	253.0	341.0	251.0
2024-01-22	218.0	313.0	217.0
2024-01-23	287.0	392.0	283.0
2024-01-24	218.0	307.0	215.0
2024-01-25	212.0	322.0	212.0
2024-01-26	257.0	382.0	255.0
2024-01-27	0.0	364.0	0.0
2024-01-28	0.0	366.0	0.0
2024-01-29	224.0	327.0	221.0
2024-01-30	222.0	281.0	219.0
2024-01-31	239.0	303.0	239.0

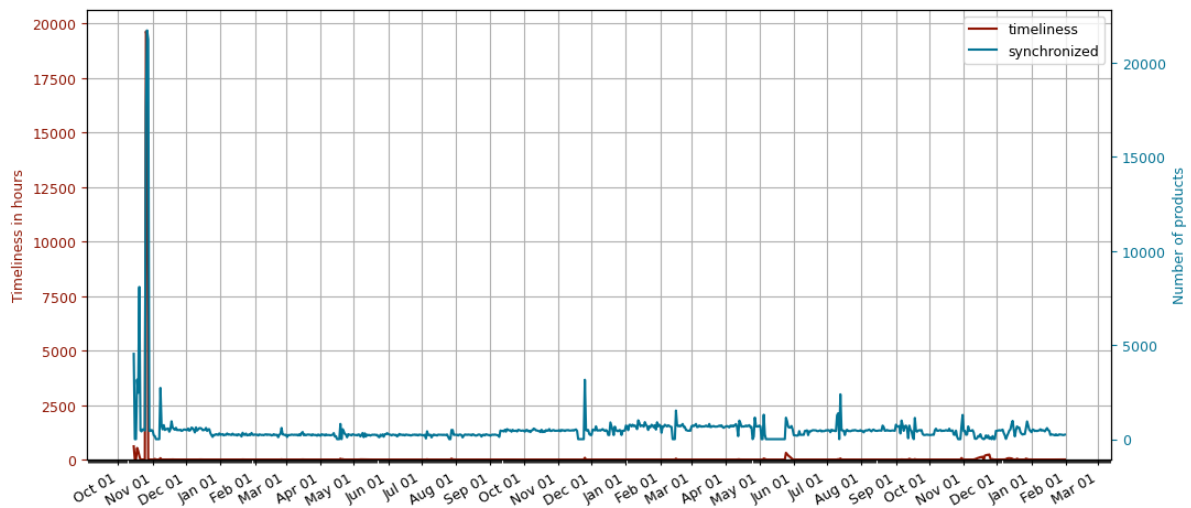
3.2 Missing products

The overall total number of Sentinel-1 products is 1431290. The number of overall Sentinel-1 missing products consists of -899873 images. This represents that a 1700% of the total was included in MET Norway DHR, while a -1600% was not included.

The total number of Sentinel-1 products in January is 905437. The number of Sentinel-1 missing products during January consists of 858884 images. This represents that a 0% of the total was included in MET Norway DHR, while a 100% was not included.

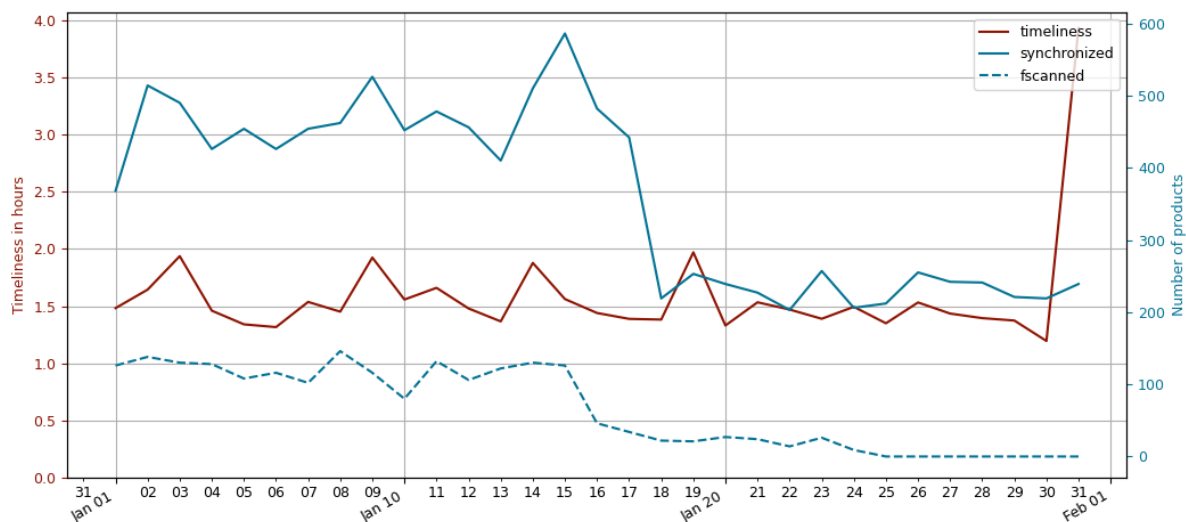
3.3 Data ingestion

In this section the time difference between sensing time and ingestion time at MET Norway is assessed. The ingestion time is the time at which a Sentinel product was downloaded to MET Norway BE and so, it is automatically available in at least one of the MET Norway FEs.



The figure above shows an overall status of the Sentinel-1 synchronization between ESA datahub and MET Norway BE. The number of products synchronized and deleted are represented by the dark and light blue lines respectively. The red line represents the timeliness.

Following previous sections, the graph below shows a zoom in the last month for the synchronization between ESA datahub and MET Norway BE.



A more detailed information is given in the table below where the last month is assessed for products synchronized from ESA.

day	size	number	timeliness
2024-01-01	956.764916	368	1.482131
2024-01-02	1276.580568	514	1.643807
2024-01-03	1197.209341	490	1.936416
2024-01-04	1044.497757	426	1.459711
2024-01-05	980.059150	454	1.340309
2024-01-06	1091.911413	426	1.316039
2024-01-07	1042.992267	454	1.536247
2024-01-08	1158.750547	462	1.451214
2024-01-09	1311.933313	526	1.924225
2024-01-10	1161.560816	452	1.557126
2024-01-11	1341.257470	478	1.659393
2024-01-12	994.308949	456	1.478663
2024-01-13	1044.384455	410	1.366119
2024-01-14	1264.204781	510	1.877189
2024-01-15	1481.061074	586	1.561307
2024-01-16	1232.294991	482	1.439521
2024-01-17	974.857352	442	1.388038
2024-01-18	547.438297	219	1.382003
2024-01-19	601.137923	253	1.969820
2024-01-20	582.168150	239	1.329970
2024-01-21	566.111760	227	1.533113
2024-01-22	560.270794	203	1.469579
2024-01-23	679.206887	257	1.388916
2024-01-24	486.725162	206	1.493351
2024-01-25	543.825562	212	1.349608
2024-01-26	633.664896	255	1.531699
2024-01-27	587.679160	242	1.434524
2024-01-28	616.529618	241	1.394593
2024-01-29	487.615727	221	1.373559
2024-01-30	548.050082	219	1.194903
2024-01-31	594.454177	239	3.931073

It is also given extra information in the table below where the data are assessed for products synchronized from KSAT.

day	size	number	timeliness
2024-01-01	135.883156	126	0.694665
2024-01-02	158.414828	138	0.782332
2024-01-03	137.216525	130	0.595262
2024-01-04	152.310742	128	0.687769
2024-01-05	107.143221	108	0.664862
2024-01-06	146.907628	116	0.711160
2024-01-07	111.851777	102	0.689218
2024-01-08	143.554012	146	0.685274
2024-01-09	142.695105	116	0.680895
2024-01-10	94.621972	80	0.780533
2024-01-11	152.961821	132	0.800405
2024-01-12	102.409120	106	0.603320
2024-01-13	139.600488	122	0.655495
2024-01-14	177.749271	130	0.910095
2024-01-15	141.009936	126	0.592010
2024-01-16	138.926911	46	0.710403
2024-01-17	94.438949	34	0.617905
2024-01-18	69.941766	22	0.798785
2024-01-19	55.727958	21	0.713469
2024-01-20	70.825533	27	0.721913
2024-01-21	71.932768	24	0.701763
2024-01-22	43.361505	14	4.280292
2024-01-23	77.719267	26	0.853739
2024-01-24	20.739466	9	0.753830
2024-01-25	0.000000	0	0.000000
2024-01-26	0.000000	0	0.000000
2024-01-27	0.000000	0	0.000000
2024-01-28	0.000000	0	0.000000
2024-01-29	0.000000	0	0.000000
2024-01-30	0.000000	0	0.000000
2024-01-31	0.000000	0	0.000000

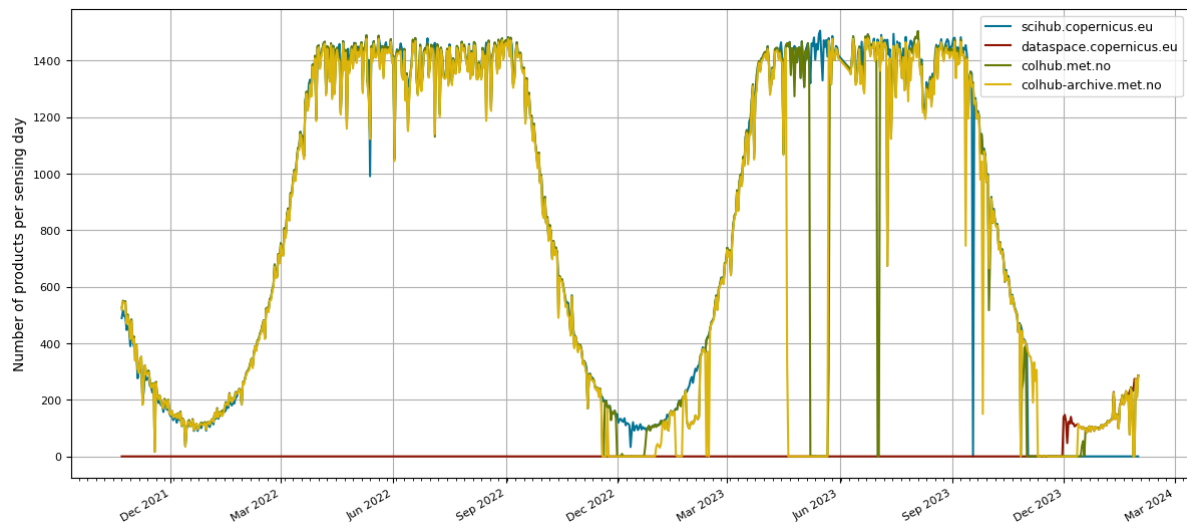
SENTINEL-2 LEVEL-1C PRODUCTS

This section shows the performance of MET Norway for Sentinel-2 Level-1C products. Both, an overall status and last month status are shown below.

Note that scihub is no longer in operation but is included for historical comparisons.

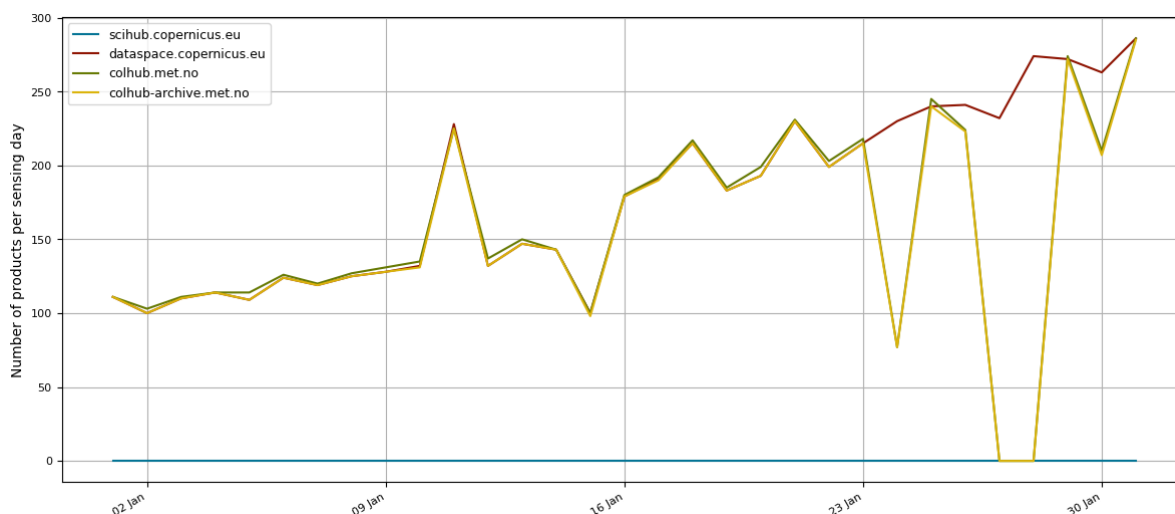
4.1 Products on portals

The following section contains an update on the Sentinel-2 Level-1C products included in the different FEs and BEs.



The figure above represents the overall number of products present in the different BackEnds and FrontEnds per day for Sentinel-2 Level-1C.

While the figure below shows a zoom on the last month.



A table is also included for more detailed information.

	colhub.met.no	dataspace.copernicus.eu	colhub-archive.met.no
sensing_date			
2024-01-01	111.0	111.0	111.0
2024-01-02	103.0	100.0	100.0
2024-01-03	111.0	110.0	110.0
2024-01-04	114.0	114.0	114.0
2024-01-05	114.0	109.0	109.0
2024-01-06	126.0	124.0	124.0
2024-01-07	120.0	119.0	119.0
2024-01-08	127.0	125.0	125.0
2024-01-09	131.0	128.0	128.0
2024-01-10	135.0	132.0	131.0
2024-01-11	225.0	228.0	225.0
2024-01-12	137.0	132.0	132.0
2024-01-13	150.0	147.0	147.0
2024-01-14	143.0	143.0	143.0
2024-01-15	100.0	100.0	98.0
2024-01-16	180.0	179.0	179.0
2024-01-17	192.0	191.0	190.0
2024-01-18	217.0	215.0	215.0
2024-01-19	185.0	183.0	183.0
2024-01-20	199.0	193.0	193.0
2024-01-21	231.0	230.0	230.0
2024-01-22	203.0	199.0	199.0
2024-01-23	218.0	215.0	215.0
2024-01-24	77.0	230.0	77.0
2024-01-25	245.0	240.0	240.0
2024-01-26	224.0	241.0	223.0
2024-01-27	0.0	232.0	0.0
2024-01-28	0.0	274.0	0.0
2024-01-29	274.0	272.0	272.0
2024-01-30	210.0	263.0	207.0
2024-01-31	286.0	286.0	285.0

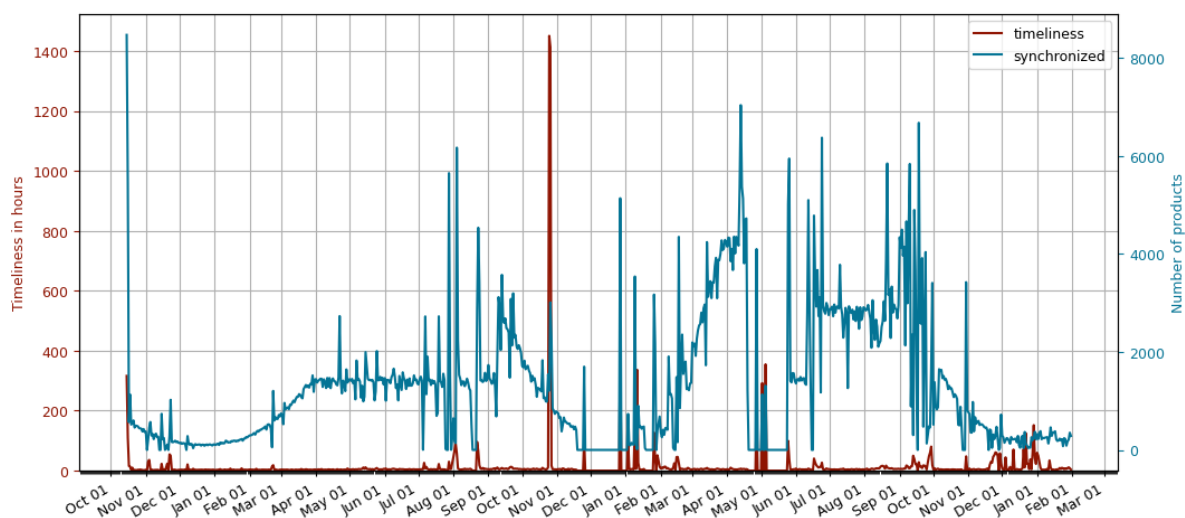
4.2 Missing products

The overall total number of Sentinel-2 Level-1C products is 1431290. The number of overall Sentinel-2 Level-1C missing products consists of -899873 images. This represents that a 1700% of the total was included in MET Norway DHR, while a -1600% was not included.

The total number of Sentinel-2 Level-1C products in January is 905437. The number of Sentinel-2 Level-1C missing products during January consists of 858884 images. This represents that a 0% of the total was included in MET Norway DHR, while a 100% was not included.

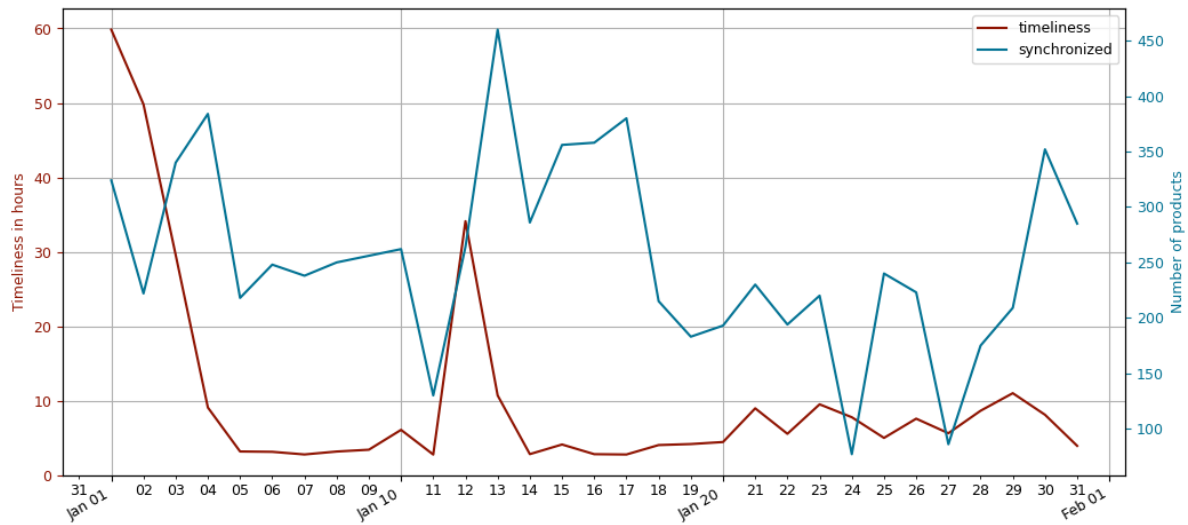
4.3 Data ingestion

In this section the time difference between sensing time and ingestion time at MET Norway is assessed. The ingestion time is the time at which a Sentinel product was downloaded to MET Norway BE and so, it is automatically available in at least one of the MET Norway FEs.



The figure above shows an overall status of the Sentinel-2 Level-1C synchronization between ESA datahub and MET Norway BE. The number of products synchronized and deleted are represented by the dark and light blue lines respectively. The red line represents the timeliness.

Following previous sections, the graph below shows a zoom in the last month for the synchronization between ESA datahub and MET Norway BE.



A more detailed information is given in the table below where the last month is assessed for products synchronized from ESA.

day	size	number	timeliness
2024-01-01	155.740195	324	59.837439
2024-01-02	106.368408	222	49.814446
2024-01-03	161.554194	340	29.595375
2024-01-04	192.372439	384	9.111667
2024-01-05	110.878797	218	3.213942
2024-01-06	125.904254	248	3.168162
2024-01-07	124.597186	238	2.814729
2024-01-08	127.747431	250	3.207160
2024-01-09	119.754380	256	3.451193
2024-01-10	125.853526	262	6.115315
2024-01-11	58.847207	130	2.799950
2024-01-12	135.186385	264	34.126381
2024-01-13	217.123657	460	10.733147
2024-01-14	136.525481	286	2.859147
2024-01-15	164.258876	356	4.150410
2024-01-16	163.595436	358	2.851388
2024-01-17	183.881951	380	2.809412
2024-01-18	97.035755	215	4.076265
2024-01-19	85.714834	183	4.211611
2024-01-20	89.305075	193	4.483777
2024-01-21	101.296591	230	9.006452
2024-01-22	83.401605	194	5.586667
2024-01-23	99.781773	220	9.542499
2024-01-24	32.491774	77	7.811896
2024-01-25	107.649680	240	5.035950
2024-01-26	97.600038	223	7.617979
2024-01-27	40.905081	86	5.664994
2024-01-28	77.004831	175	8.683332
2024-01-29	88.653408	209	11.039588
2024-01-30	162.651291	352	8.143687
2024-01-31	134.344790	285	3.968170

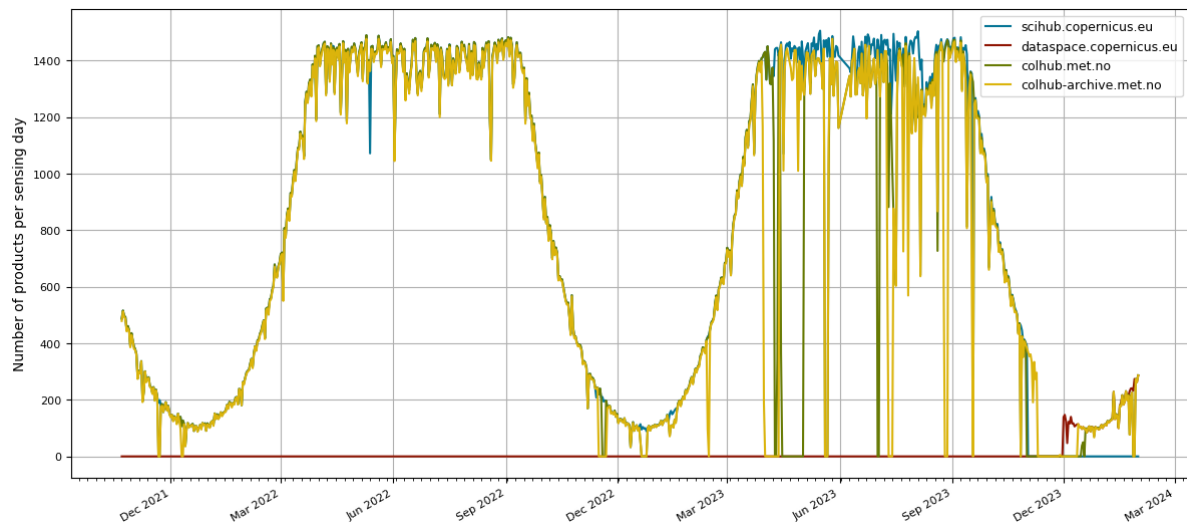
SENTINEL-2 LEVEL-2A PRODUCTS

This section shows the performance of MET Norway for Sentinel-2 Level-2A products. Both, an overall status and last month status are shown below.

Note that scihub is no longer in operation but is included for historical comparisons.

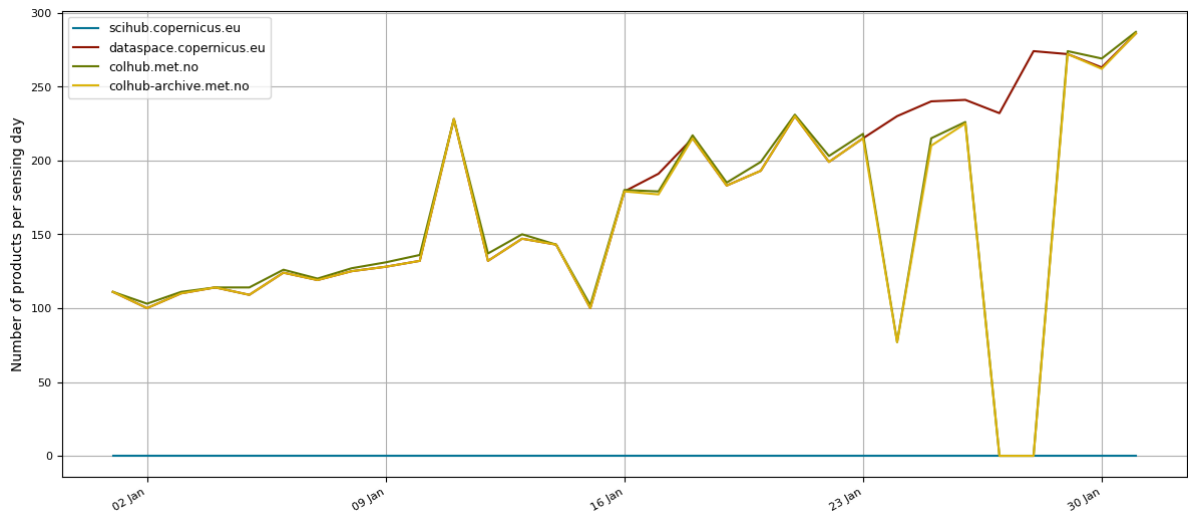
5.1 Products on portals

The following section contains an update on the Sentinel-2 Level-2A products included in the different FEs and BEs.



The figure above represents the overall number of products present in the different BackEnds and FrontEnds per day for Sentinel-2 Level-2A.

While the figure below shows a zoom on the last month.



A table is also included for more detailed information.

	colhub.met.no	dataspace.copernicus.eu	colhub-archive.met.no
sensing_date			
2024-01-01	111.0	111.0	111.0
2024-01-02	103.0	100.0	100.0
2024-01-03	111.0	110.0	110.0
2024-01-04	114.0	114.0	114.0
2024-01-05	114.0	109.0	109.0
2024-01-06	126.0	124.0	124.0
2024-01-07	120.0	119.0	119.0
2024-01-08	127.0	125.0	125.0
2024-01-09	131.0	128.0	128.0
2024-01-10	136.0	132.0	132.0
2024-01-11	228.0	228.0	228.0
2024-01-12	137.0	132.0	132.0
2024-01-13	150.0	147.0	147.0
2024-01-14	143.0	143.0	143.0
2024-01-15	102.0	100.0	100.0
2024-01-16	180.0	179.0	179.0
2024-01-17	179.0	191.0	177.0
2024-01-18	217.0	215.0	215.0
2024-01-19	185.0	183.0	183.0
2024-01-20	199.0	193.0	193.0
2024-01-21	231.0	230.0	230.0
2024-01-22	203.0	199.0	199.0
2024-01-23	218.0	215.0	215.0
2024-01-24	77.0	230.0	77.0
2024-01-25	215.0	240.0	210.0
2024-01-26	226.0	241.0	225.0
2024-01-27	0.0	232.0	0.0
2024-01-28	0.0	274.0	0.0
2024-01-29	274.0	272.0	272.0
2024-01-30	269.0	263.0	262.0
2024-01-31	287.0	286.0	286.0

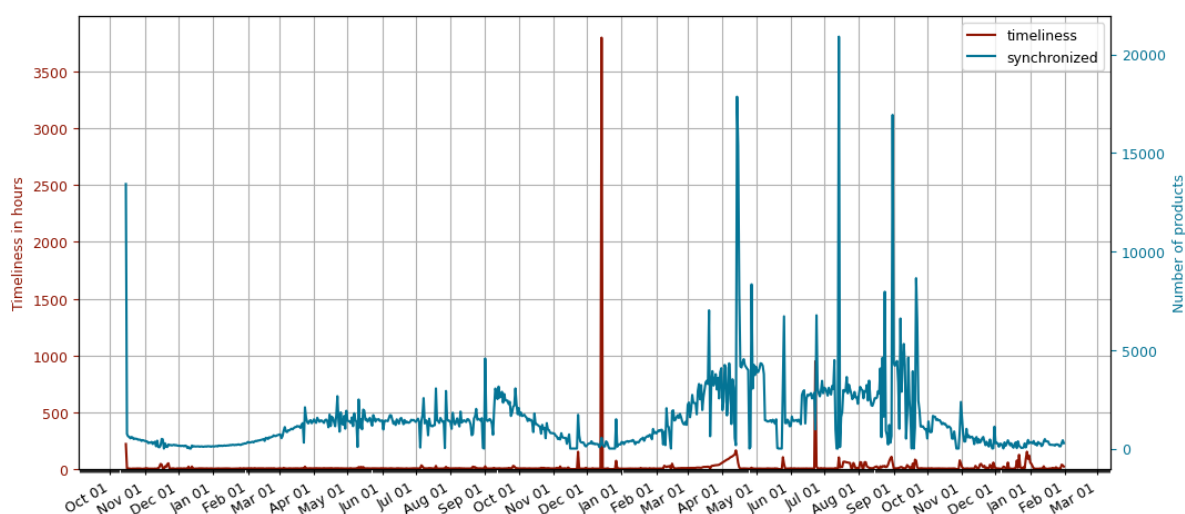
5.2 Missing products

The overall total number of Sentinel-2 Level-2A products is 1431290. The number of overall Sentinel-2 Level-2A missing products consists of -899873 images. This represents that a 1700% of the total was included in MET Norway DHR, while a -1600% was not included.

The total number of Sentinel-2 level-2A products in January is 905437. The number of Sentinel-2 level-2A missing products during January consists of 858884 images. This represents that a 0% of the total was included in MET Norway DHR, while a 100% was not included.

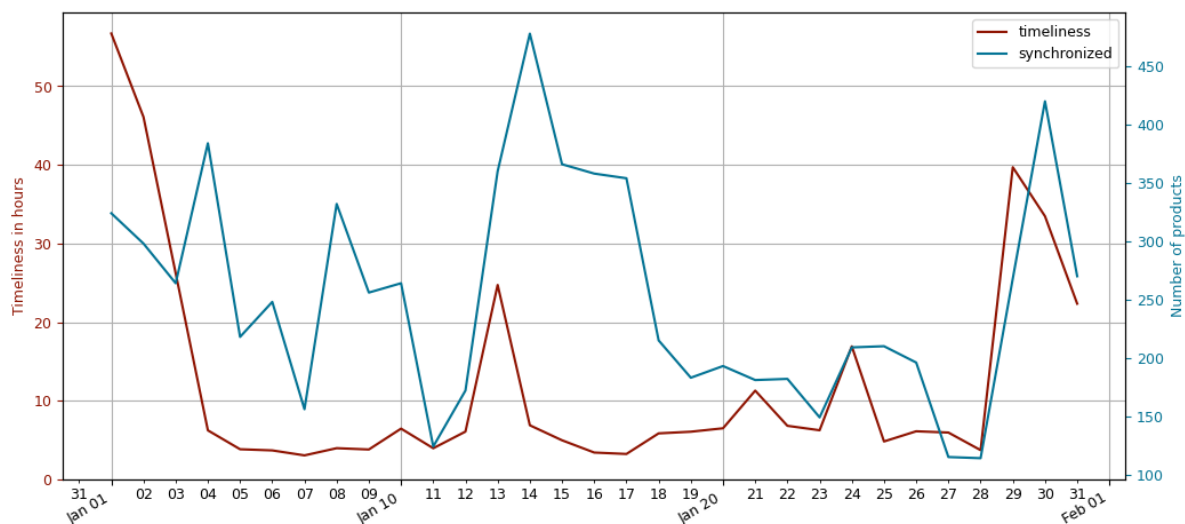
5.3 Data ingestion

In this section the time difference between sensing time and ingestion time at MET Norway is assessed. The ingestion time is the time at which a Sentinel product was downloaded to MET Norway BE and so, it is automatically available in at least one of the MET Norway FEs.



The figure above shows an overall status of the Sentinel-2 Level-2A synchronization between ESA datahub and MET Norway BE. The number of products synchronized and deleted are represented by the dark and light blue lines respectively. The red line represents the timeliness.

Following previous sections, the graph below shows a zoom in the last month for the synchronization between ESA datahub and MET Norway BE.



A more detailed information is given in the table below where the last month is assessed for products synchronized from ESA.

day	size	number	timeliness
2024-01-01	191.263596	324	56.709758
2024-01-02	182.797107	298	46.089651
2024-01-03	152.263559	264	26.217527
2024-01-04	235.078994	384	6.239768
2024-01-05	140.967113	218	3.837609
2024-01-06	161.909137	248	3.689999
2024-01-07	113.776862	156	3.058661
2024-01-08	216.805184	332	3.972898
2024-01-09	151.169844	256	3.807408
2024-01-10	156.292342	264	6.461140
2024-01-11	71.216583	124	3.963879
2024-01-12	107.828688	172	6.081767
2024-01-13	226.068108	360	24.732279
2024-01-14	276.066350	478	6.884830
2024-01-15	209.758586	366	4.975914
2024-01-16	207.973862	358	3.418168
2024-01-17	217.249432	354	3.237904
2024-01-18	121.379436	215	5.856904
2024-01-19	110.152060	183	6.067889
2024-01-20	109.678667	193	6.503818
2024-01-21	95.607495	181	11.292146
2024-01-22	95.921711	182	6.817568
2024-01-23	81.504116	149	6.253807
2024-01-24	115.862553	209	16.922986
2024-01-25	111.583577	210	4.827639
2024-01-26	107.531665	196	6.123178
2024-01-27	66.444535	115	5.961154
2024-01-28	58.557864	114	3.723256
2024-01-29	144.796578	268	39.706976
2024-01-30	231.225282	420	33.470728
2024-01-31	168.813834	270	22.348873

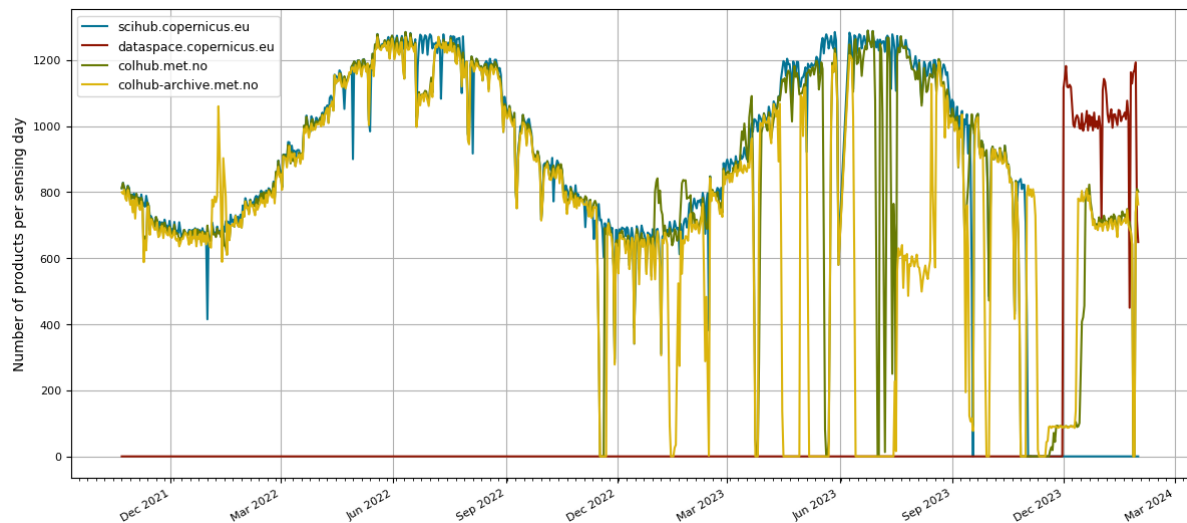
SENTINEL-3 PRODUCTS

This section shows the performance of MET Norway for Sentinel-3 products. Both, an overall status and last month status are shown below.

Note that scihub is no longer in operation but is included for historical comparisons.

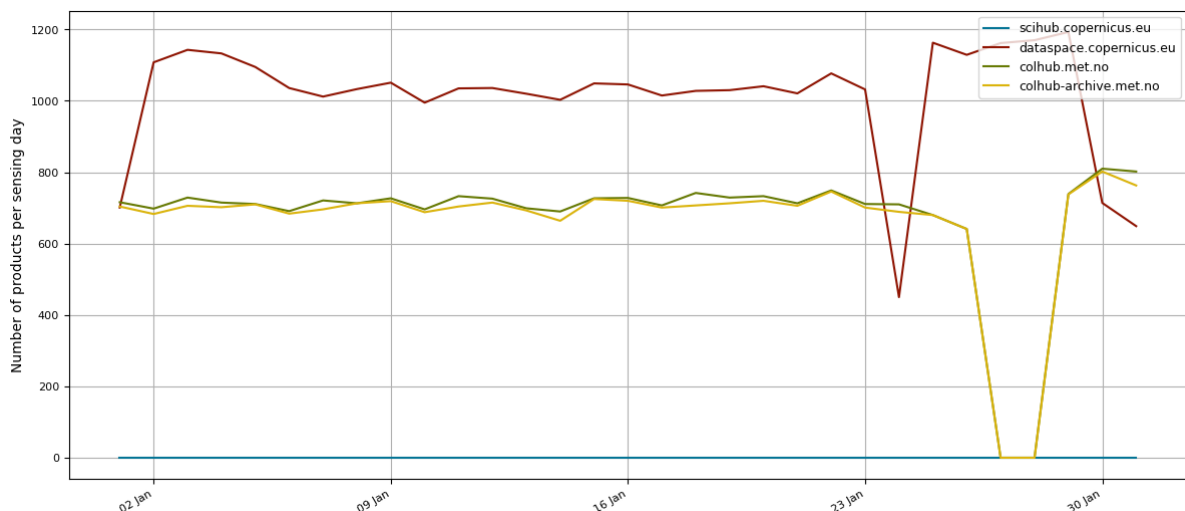
6.1 Products on portals

The following section contains an update on the Sentinel-3 products included in the different FEs and BEs.



The figure above represents the overall number of products present in the different BackEnds and FrontEnds per day for Sentinel-3.

While the figure below shows a zoom on the last month.



A table is also included for more detailed information.

	colhub.met.no	dataspace.copernicus.eu	colhub-archive.met.no
sensing_date			
2024-01-01	716.0	701.0	704.0
2024-01-02	698.0	1108.0	683.0
2024-01-03	729.0	1143.0	706.0
2024-01-04	715.0	1133.0	702.0
2024-01-05	711.0	1095.0	710.0
2024-01-06	691.0	1036.0	684.0
2024-01-07	721.0	1012.0	696.0
2024-01-08	713.0	1033.0	713.0
2024-01-09	727.0	1051.0	719.0
2024-01-10	696.0	995.0	688.0
2024-01-11	733.0	1035.0	704.0
2024-01-12	726.0	1036.0	715.0
2024-01-13	699.0	1020.0	693.0
2024-01-14	690.0	1003.0	664.0
2024-01-15	727.0	1049.0	725.0
2024-01-16	728.0	1046.0	720.0
2024-01-17	707.0	1015.0	701.0
2024-01-18	742.0	1028.0	707.0
2024-01-19	729.0	1030.0	713.0
2024-01-20	733.0	1041.0	720.0
2024-01-21	713.0	1021.0	706.0
2024-01-22	749.0	1077.0	746.0
2024-01-23	711.0	1032.0	701.0
2024-01-24	710.0	450.0	689.0
2024-01-25	680.0	1163.0	680.0
2024-01-26	641.0	1129.0	641.0
2024-01-27	0.0	1162.0	0.0
2024-01-28	0.0	1170.0	0.0
2024-01-29	739.0	1193.0	738.0
2024-01-30	810.0	714.0	802.0
2024-01-31	802.0	649.0	763.0

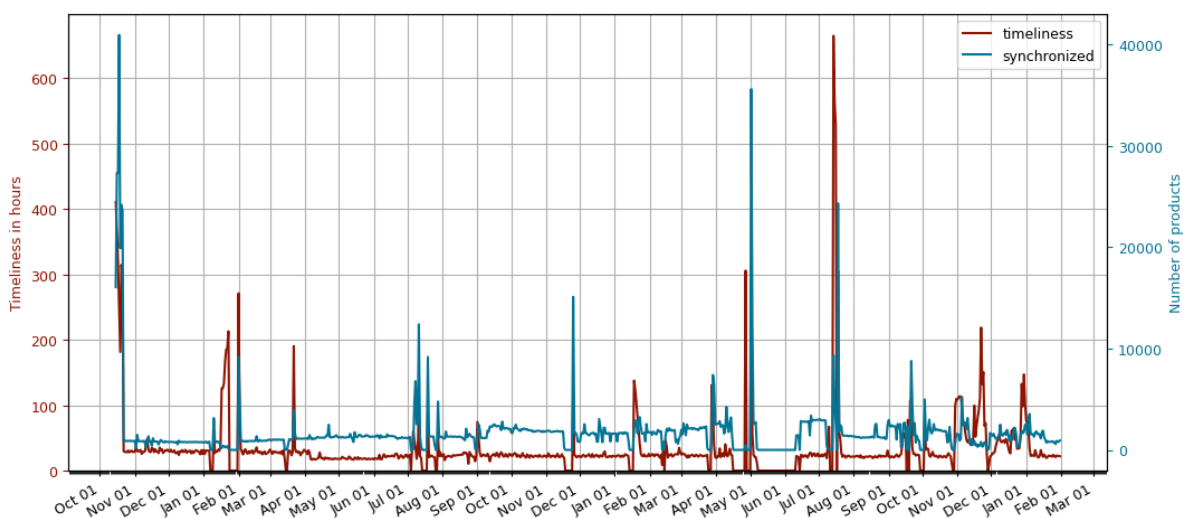
6.2 Missing products

The overall total number of Sentinel-3 products is 1431290. The number of overall Sentinel-3 missing products consists of -899873 images. This represents that a 1700% of the total was included in MET Norway DHR, while a -1600% was not included.

The total number of Sentinel-3 products in January is 905437. The number of Sentinel-3 missing products during January consists of 858884 images. This represents that a 0% of the total was included in MET Norway DHR, while a 100% was not included.

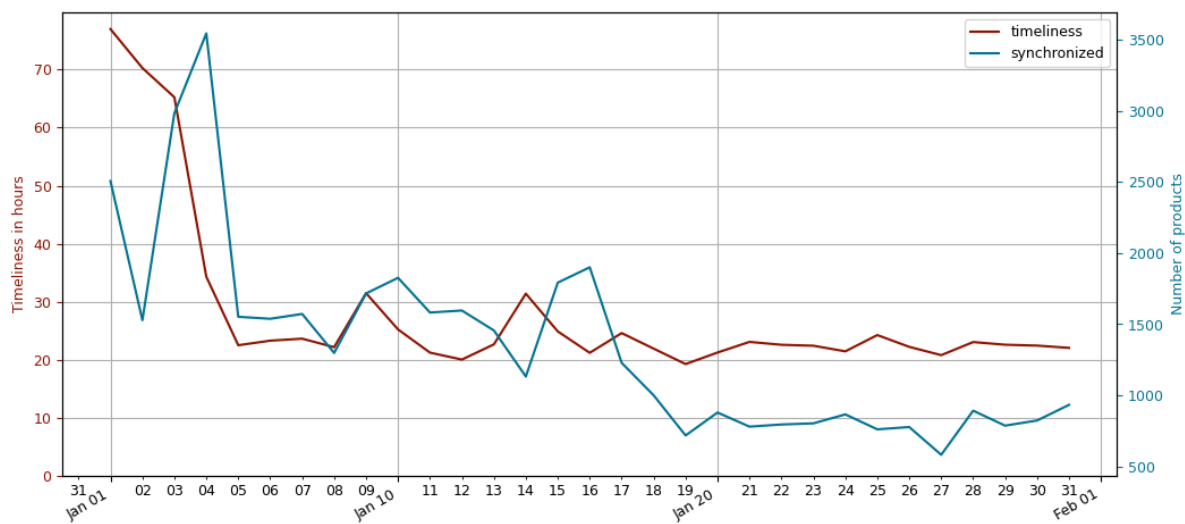
6.3 Data ingestion

In this section the time difference between sensing time and ingestion time at MET Norway is assessed. The ingestion time is the time at which a Sentinel product was downloaded to MET Norway BE and so, it is automatically available in at least one of the MET Norway FEs.



The figure above shows an overall status of the Sentinel-3 synchronization between ESA datahub and MET Norway BE. The number of products synchronized and deleted are represented by the dark and light blue lines respectively. The red line represents the timeliness.

Following previous sections, the graph below shows a zoom in the last month for the synchronization between ESA datahub and MET Norway BE.



A more detailed information is given in the table below where the last month is assessed for products synchronized from ESA.

day	size	number	timeliness
2024-01-01	758.348774	2506	76.976557
2024-01-02	460.111572	1528	70.264382
2024-01-03	902.180865	2982	65.234642
2024-01-04	1054.017186	3544	34.309766
2024-01-05	474.902210	1552	22.504882
2024-01-06	474.682531	1538	23.291312
2024-01-07	477.103399	1572	23.634605
2024-01-08	400.035147	1298	22.172871
2024-01-09	536.541198	1716	31.475207
2024-01-10	536.744676	1826	25.228844
2024-01-11	477.530749	1582	21.232253
2024-01-12	497.334075	1596	20.035114
2024-01-13	449.621597	1456	22.654985
2024-01-14	349.284579	1132	31.390912
2024-01-15	551.249374	1792	24.886335
2024-01-16	568.914510	1900	21.197730
2024-01-17	392.785272	1228	24.598522
2024-01-18	300.573380	1000	21.920155
2024-01-19	220.761923	718	19.256921
2024-01-20	269.508814	879	21.250710
2024-01-21	242.338900	780	23.079289
2024-01-22	239.678379	795	22.582464
2024-01-23	248.259193	803	22.418967
2024-01-24	264.701806	866	21.453830
2024-01-25	232.829732	761	24.257635
2024-01-26	240.833985	777	22.226875
2024-01-27	187.506169	582	20.798070
2024-01-28	269.796047	892	23.050403
2024-01-29	237.738131	787	22.595136
2024-01-30	252.393618	823	22.440047
2024-01-31	270.607715	933	22.050194

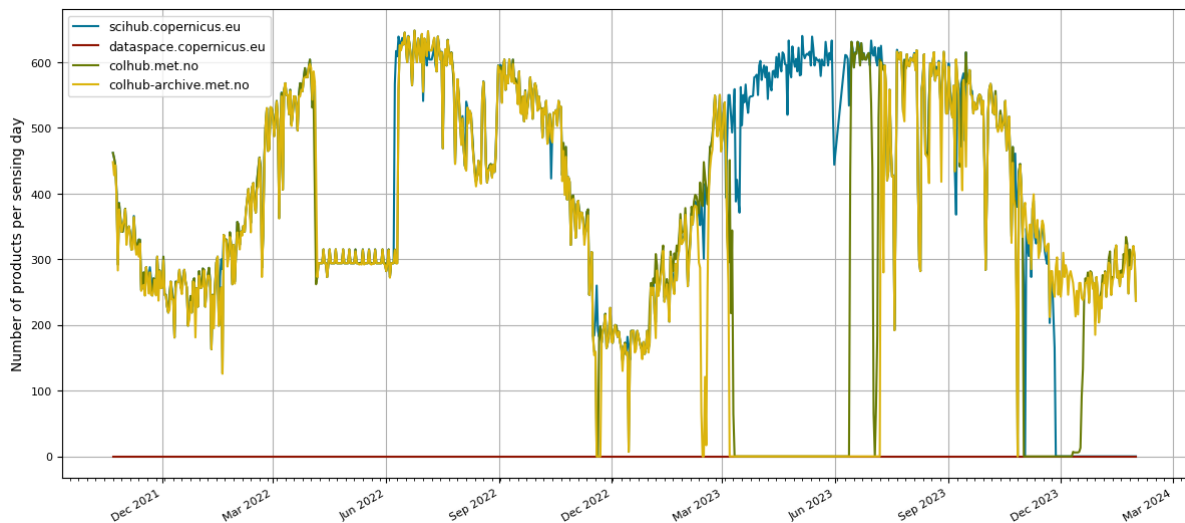
SENTINEL-5P PRODUCTS

This section shows the performance of MET Norway for Sentinel-5p products. Both, an overall status and last month status are shown below.

Note that scihub is no longer in operation but is included for historical comparisons.

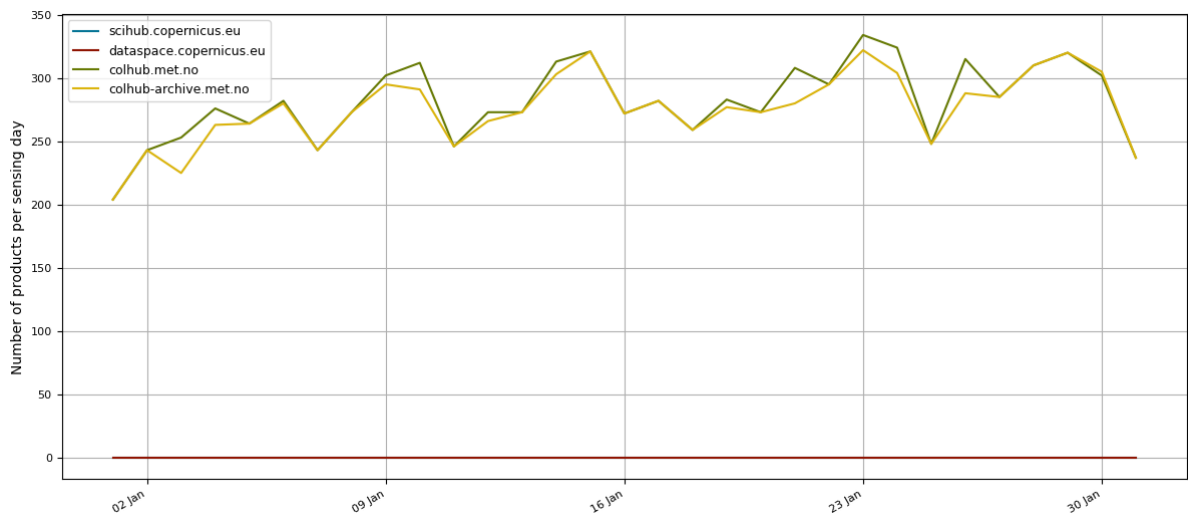
7.1 Products on portals

The following section contains an update on the Sentinel-5p products included in the different FEs and BEs.



The figure above represents the overall number of products present in the different BackEnds and FrontEnds per day for Sentinel-5p.

While the figure below shows a zoom on the last month.



A table is also included for more detailed information.

	colhub.met.no	dataspace.copernicus.eu	colhub-archive.met.no
sensing_date			
2024-01-01	204.0	0.0	204.0
2024-01-02	243.0	0.0	243.0
2024-01-03	253.0	0.0	225.0
2024-01-04	276.0	0.0	263.0
2024-01-05	264.0	0.0	264.0
2024-01-06	282.0	0.0	280.0
2024-01-07	243.0	0.0	243.0
2024-01-08	273.0	0.0	273.0
2024-01-09	302.0	0.0	295.0
2024-01-10	312.0	0.0	291.0
2024-01-11	246.0	0.0	246.0
2024-01-12	273.0	0.0	266.0
2024-01-13	273.0	0.0	273.0
2024-01-14	313.0	0.0	303.0
2024-01-15	321.0	0.0	321.0
2024-01-16	272.0	0.0	272.0
2024-01-17	282.0	0.0	282.0
2024-01-18	259.0	0.0	259.0
2024-01-19	283.0	0.0	277.0
2024-01-20	273.0	0.0	273.0
2024-01-21	308.0	0.0	280.0
2024-01-22	295.0	0.0	295.0
2024-01-23	334.0	0.0	322.0
2024-01-24	324.0	0.0	304.0
2024-01-25	248.0	0.0	248.0
2024-01-26	315.0	0.0	288.0
2024-01-27	285.0	0.0	285.0
2024-01-28	310.0	0.0	310.0
2024-01-29	320.0	0.0	320.0
2024-01-30	302.0	0.0	305.0
2024-01-31	237.0	0.0	237.0

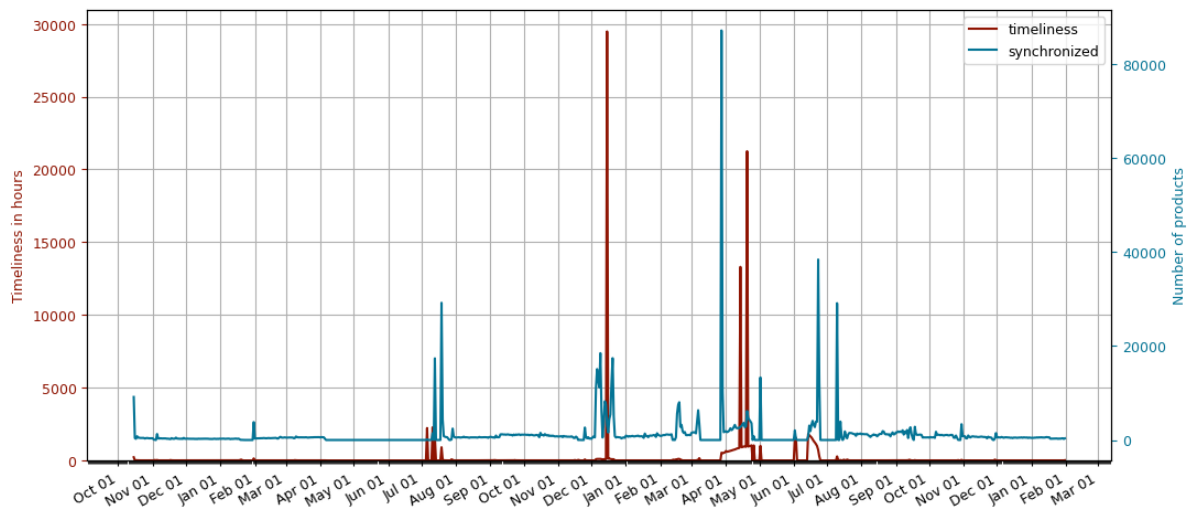
7.2 Missing products

The overall total number of Sentinel-5p products is 1431290. The number of overall Sentinel-5p missing products consists of -899873 images. This represents that a 1700% of the total was included in MET Norway DHR, while a -1600% was not included.

The total number of Sentinel-5p products in January is 905437. The number of Sentinel-5p missing products during January consists of 858884 images. This represents that a 0% of the total was included in MET Norway DHR, while a 100% was not included.

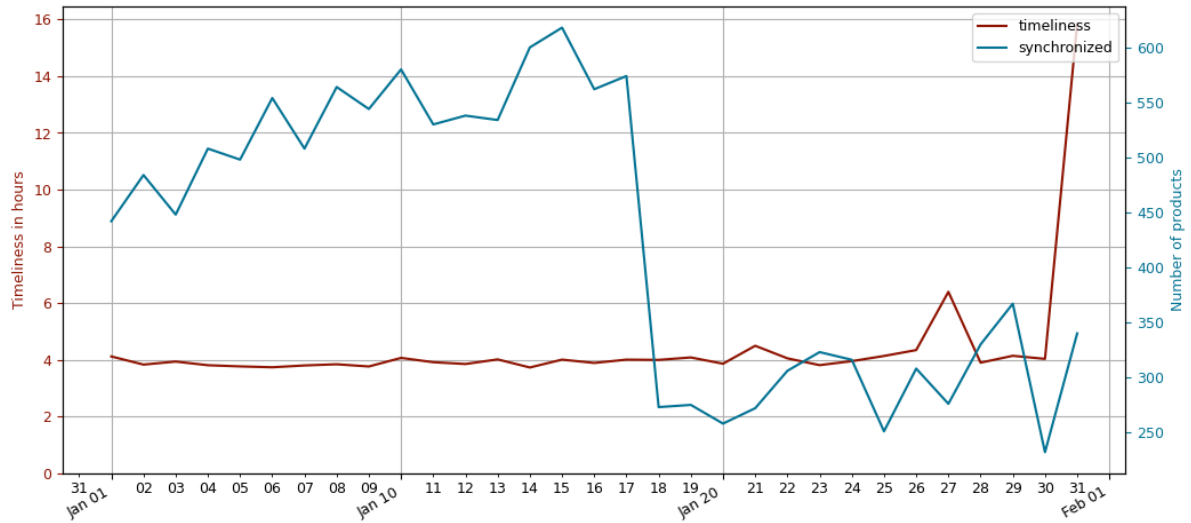
7.3 Data ingestion

In this section the time difference between sensing time and ingestion time at MET Norway is assessed. The ingestion time is the time at which a Sentinel product was downloaded to MET Norway BE and so, it is automatically available in at least one of the MET Norway FEs.



The figure above shows an overall status of the Sentinel-5p synchronization between ESA datahub and MET Norway BE. The number of products synchronized and deleted are represented by the dark and light blue lines respectively. The red line represents the timeliness.

Following previous sections, the graph below shows a zoom in the last month for the synchronization between ESA datahub and MET Norway BE.



A more detailed information is given in the table below where the last month are assessed for products synchronized from ESA.

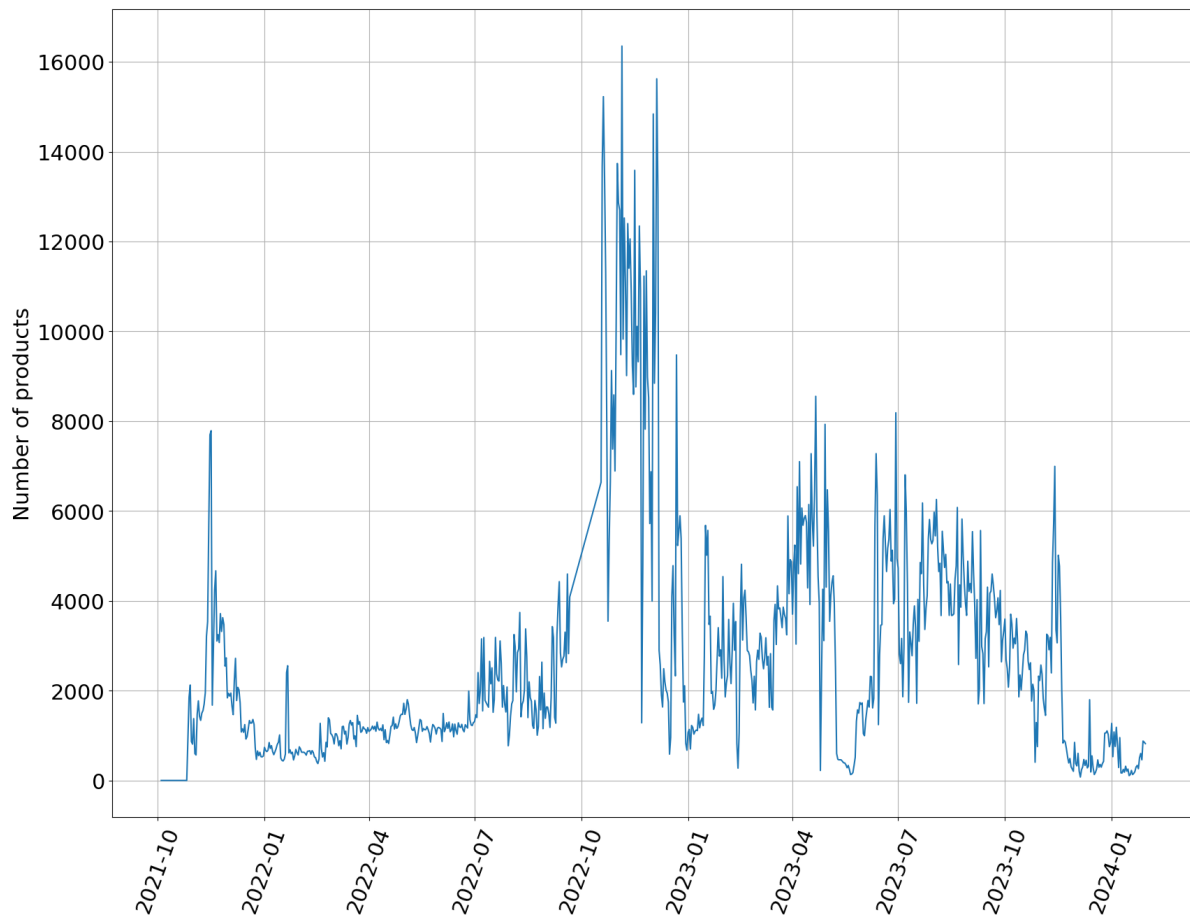
day	size	number	timeliness
2024-01-01	283.271018	442	4.122591
2024-01-02	323.048947	484	3.835355
2024-01-03	319.358440	448	3.941641
2024-01-04	365.937368	508	3.813223
2024-01-05	362.470169	498	3.771824
2024-01-06	370.025305	554	3.740834
2024-01-07	330.769175	508	3.805201
2024-01-08	382.075926	564	3.846208
2024-01-09	404.299792	544	3.769290
2024-01-10	378.005509	580	4.071200
2024-01-11	338.065961	530	3.919402
2024-01-12	373.226530	538	3.856061
2024-01-13	373.543557	534	4.018314
2024-01-14	409.386886	600	3.733395
2024-01-15	422.514377	618	4.010237
2024-01-16	385.871708	562	3.893277
2024-01-17	383.282597	574	4.010013
2024-01-18	166.888120	273	4.001350
2024-01-19	184.550262	275	4.086918
2024-01-20	183.926141	258	3.866564
2024-01-21	185.949103	272	4.498267
2024-01-22	213.039081	306	4.055606
2024-01-23	210.863763	323	3.815971
2024-01-24	213.791386	316	3.956655
2024-01-25	168.508273	251	4.139335
2024-01-26	229.954714	308	4.346758
2024-01-27	202.362055	276	6.398802
2024-01-28	238.289867	330	3.903554
2024-01-29	239.962369	367	4.145272
2024-01-30	46.150468	232	4.036786
2024-01-31	397.073122	340	15.852462

MONITORING DATA DOWNLOADS FROM COLHUB PORTALS

In this section the performance of the FrontEnds is analyzed, for both [colhub.met.no](#) and [colhub-archive.met.no](#). The FEs performance is translated as user accessibility to the data which is one of the main goals for the project.

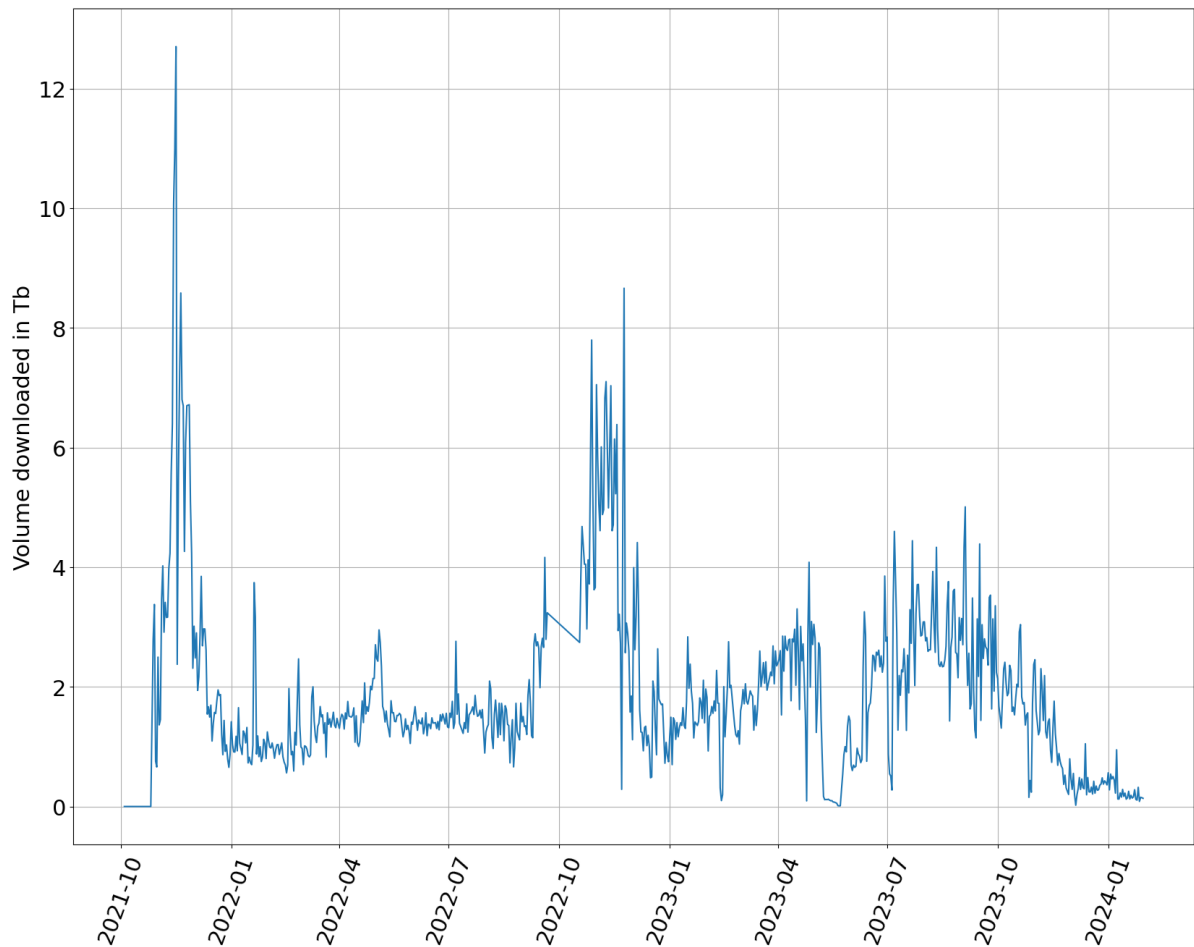
8.1 Portal: [colhub.met.no](#)

The first portal to analyze is [colhub.met.no](#). The target of the analysis is to check the amount of data downloaded by users, but also the number of users accessing the datahub. Below the historical amount of data per day is represented.



The same data is also represented below, with a difference. This time the data is not accounted by number, but by volume. Although both graphs show similar trends, they are not exactly equal due to the variability in the ratio volume per product.

For instance, the seasonality of optical products could have an impact in the total volume of products.



The table below is also interesting. It shows the amount of products downloaded for each the different Sentinel products. As expected, S1 and S2 are the most used Sentinels. S3 is slightly used, while S5p is not used.

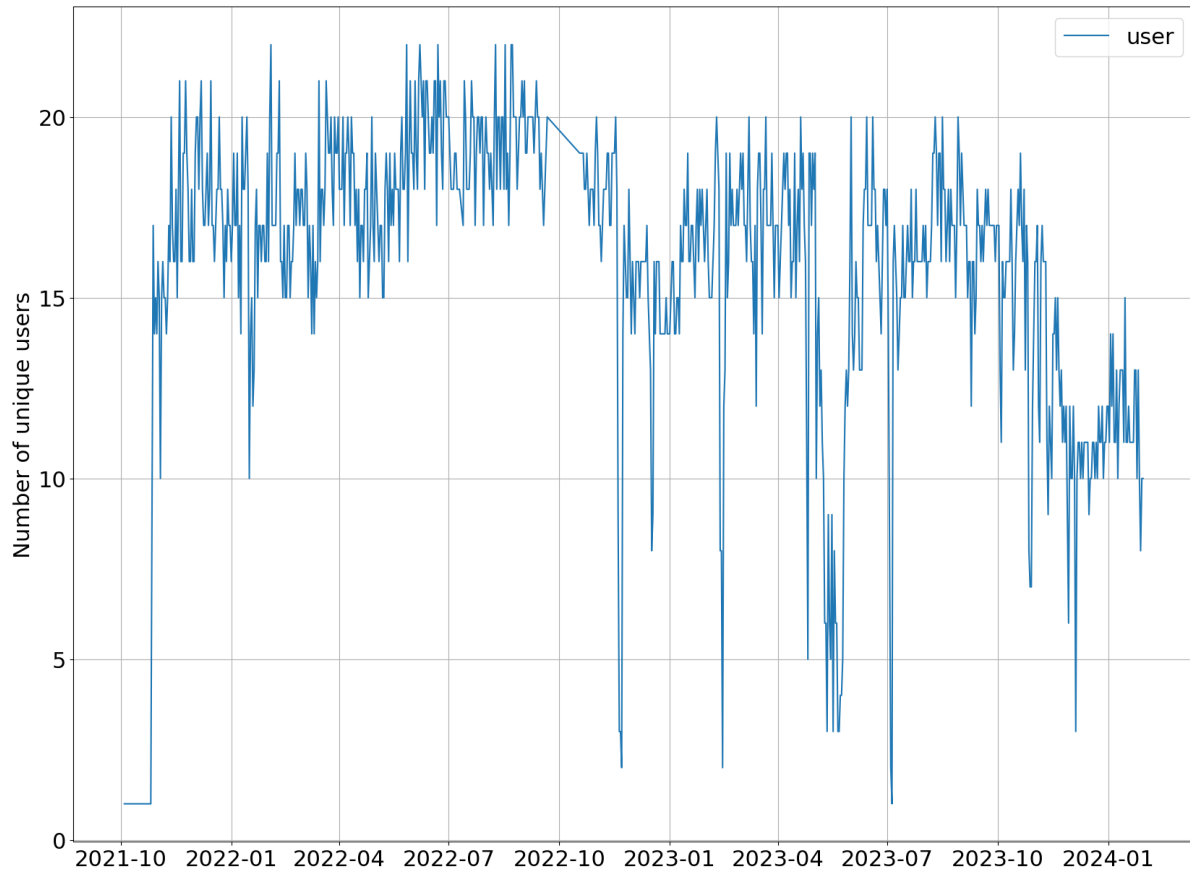
satellite	product_type	
S1	GRDH	238806
	GRDM	103145
	OCN	80352
	RAW	196350
	SLC	62782
S2	MSIL1C	469462
	MSIL1C_DTERRENG	3100
	MSIL2A	1015974
S3	OLCI_L1	6966
	OLCI_L2	490
	SLSTR_L1	6351
	SLSTR_L2	9
	SRAL_L1	23
	SRAL_L2	83
	SYN_L2	39
S5	NRTI_L2	6061
	OFFL_L1B	3
	OFFL_L2	6
		dtype: int64

The following table shows the total downloaded volume of data in Tb per month. Here the seasonality of some Sentinel products can affect the final numbers.

download_time	download_time	
2021	10	7.588303
	11	158.654049
	12	57.675128
2022	1	36.406545
	2	29.798405
	3	39.869718
	4	46.768604
	5	51.219186
	6	42.277098
	7	44.565096
	8	42.852304
	9	47.447532
	10	60.491409
	11	141.031091
	12	50.957670
2023	1	48.169138
	2	41.604374
	3	61.866205
	4	74.137962
	5	25.676479
	6	54.858885
	7	78.211367
	8	88.075235
	9	80.195622
	10	54.828457
	11	33.878596
	12	10.909848
2024	1	7.761095

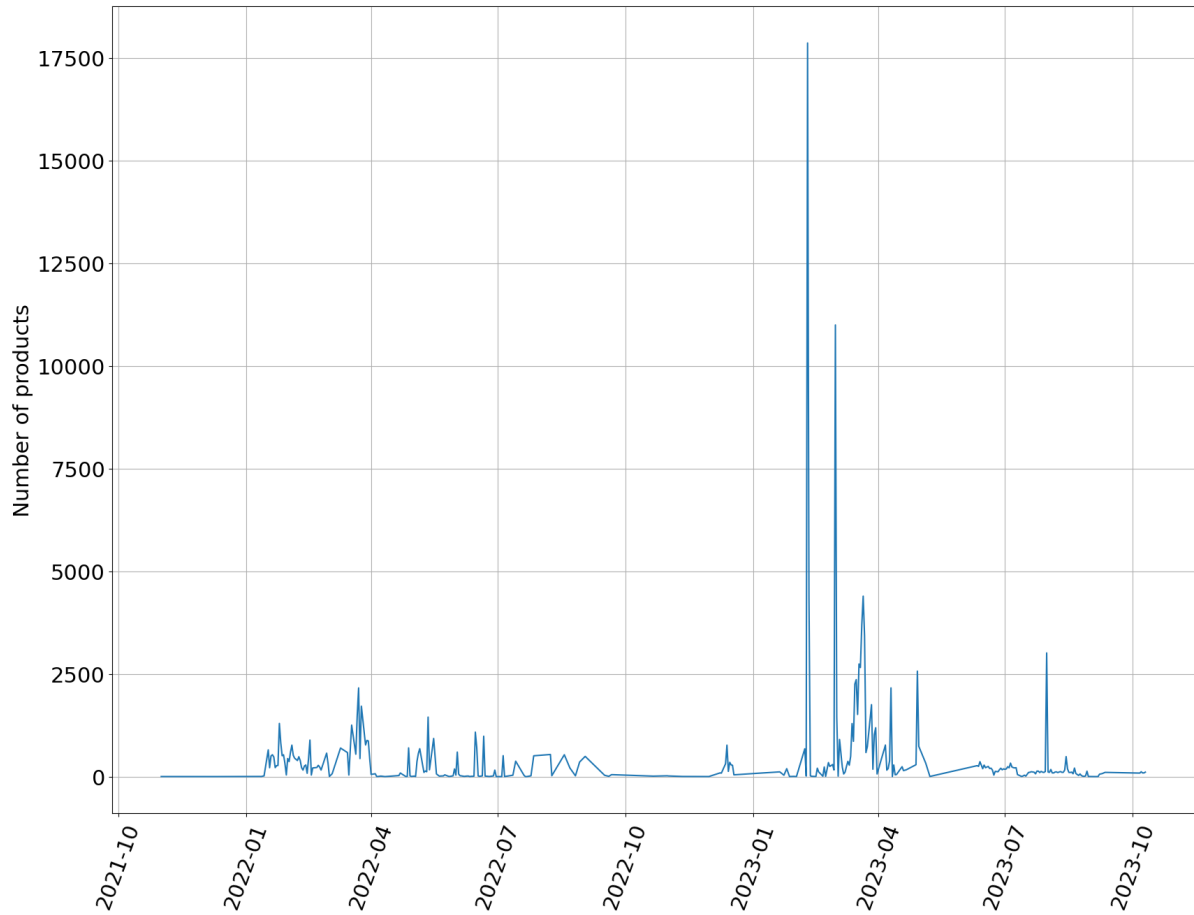
Name: size, dtype: float64

The number of users accessing and using the datahub is also important to be known. The plot below show the number of users per day. Some variability is represented in its numbers. Nevertheless, colhub.met.no is used by 15 to 20 users per day.



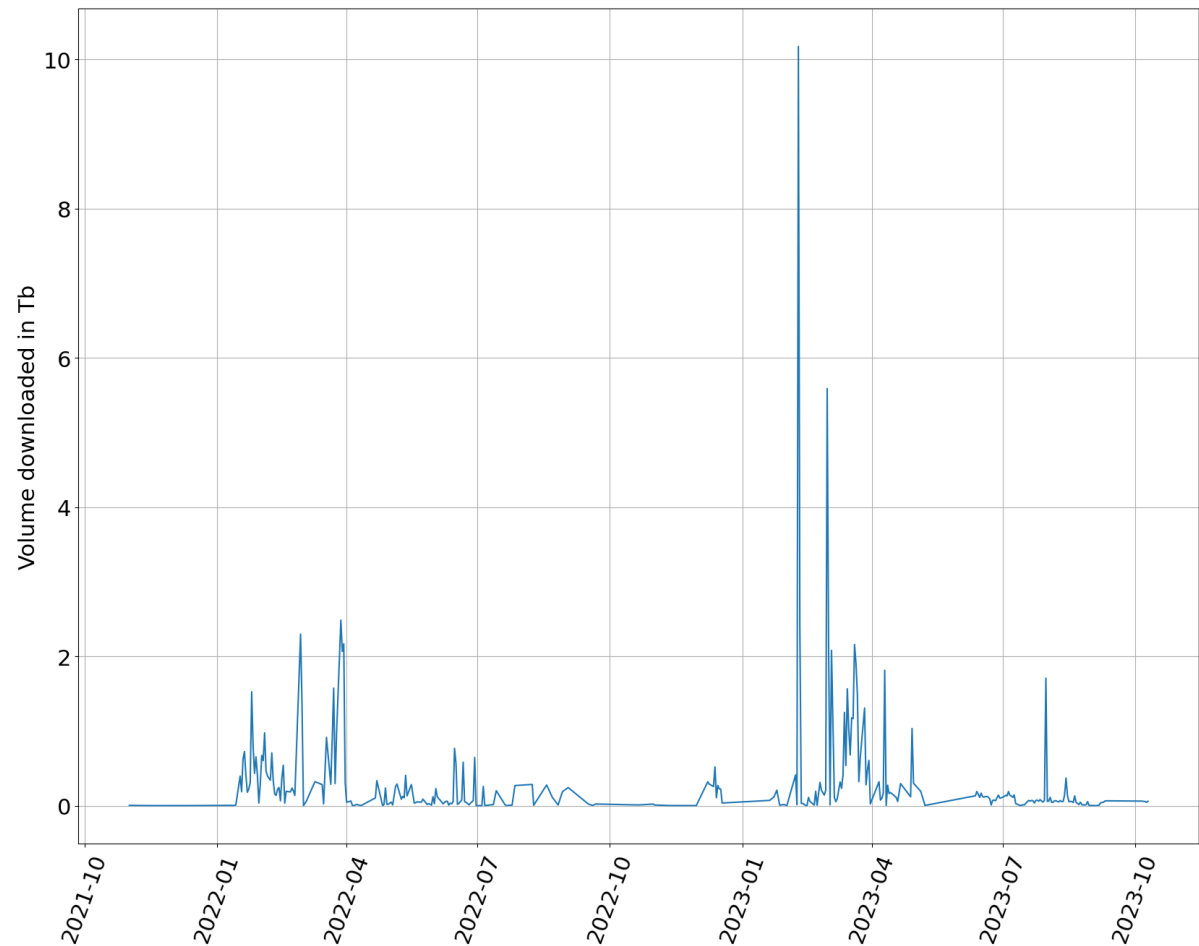
8.2 Portal: colhub-archive.met.no

Similar to [colhub.met.no](#), here it is presented the performance of [colhub-archive.met.no](#). First the number of products downloaded per day. As shown in the plot below, some days the number of products downloaded is null. This is a correct value which is not reflecting the performance of the FE. The archive is not as frequently accessed as [colhub.met.no](#). Only those users looking for historical data will used this portal.



As explained and shown in the previous section, the total volume downloaded is also shown in the graphic below.

```
Index(['size', 'download_duration'], dtype='object')
```



It is still interesting to see the number of products downloaded per product type. As shown in the previous section, S1 and S2 still are the most popular Sentinels.

satellite	product_type	
S1	GRDH	31284
	GRDM	7755
	OCN	1
	RAW	3
	SLC	3219
S2	MSIL1C	34518
	MSIL1C_DTERRENG	16832
	MSIL2A	43148
S3	OLCI_L1	1
	SLSTR_L1	2
	SRAL_L1	4
	SRAL_L2	158
S5	OFFL_L2	1
dtype: int64		

The table below shows the monthly retrieved volume of data in Tb.

download_time	download_time	
2021	December	0.000696
	November	0.005186

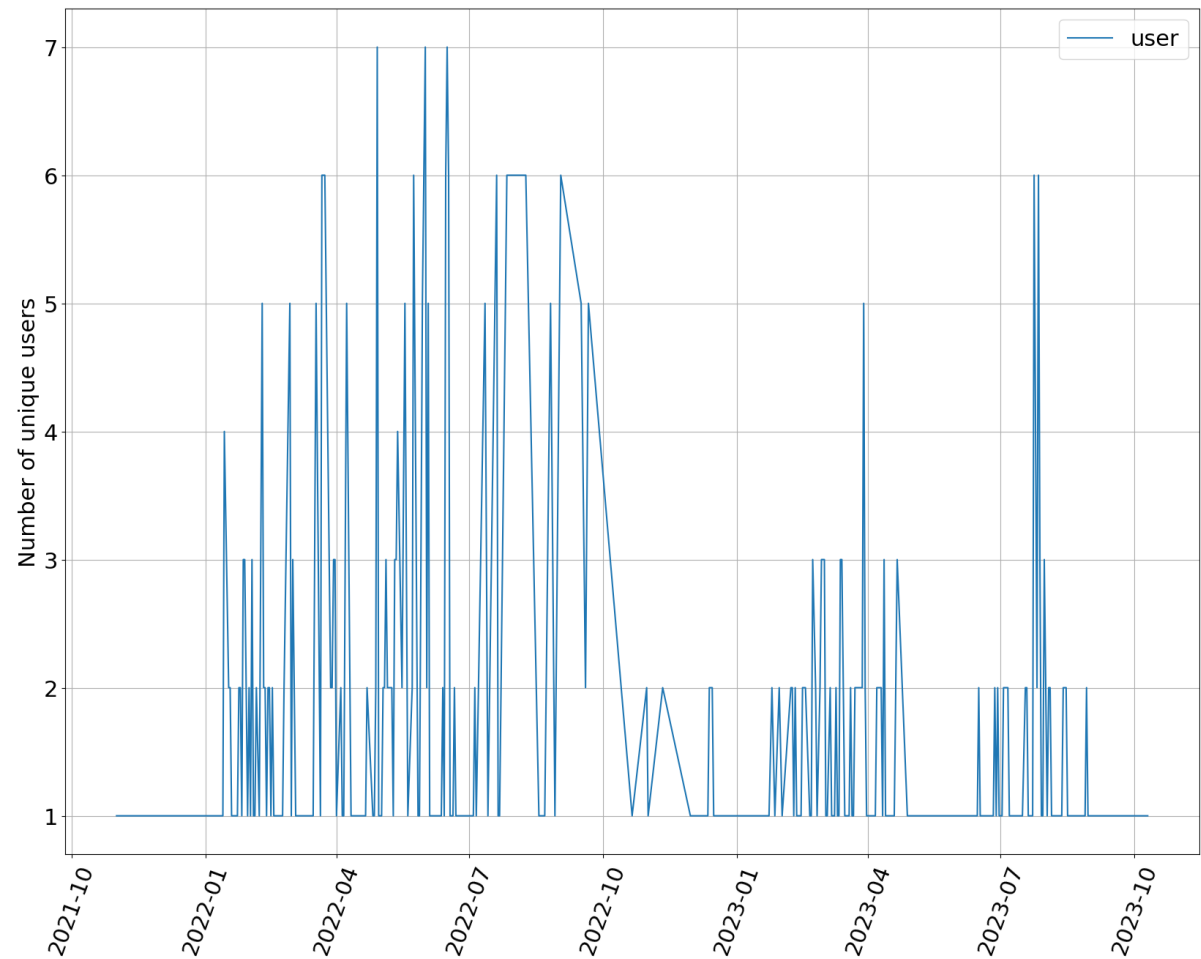
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2022	April	0.858194
	August	0.874257
	December	2.247264
	February	9.514969
	January	7.210722
	July	0.771705
	June	3.787335
	March	13.999207
	May	2.258999
	November	0.011412
	October	0.030705
	September	0.289683
2023	April	5.010196
	August	1.931697
	February	14.316868
	January	0.417223
	July	3.804772
	June	2.082679
	March	27.805556
	May	0.196331
	October	0.276372
	September	0.220003

Name: size, dtype: float64

The last graphic show the number of users accessing and downloading data from the portal. Again, the discontinuity in numbers of users it is not a sign of the portal performance.



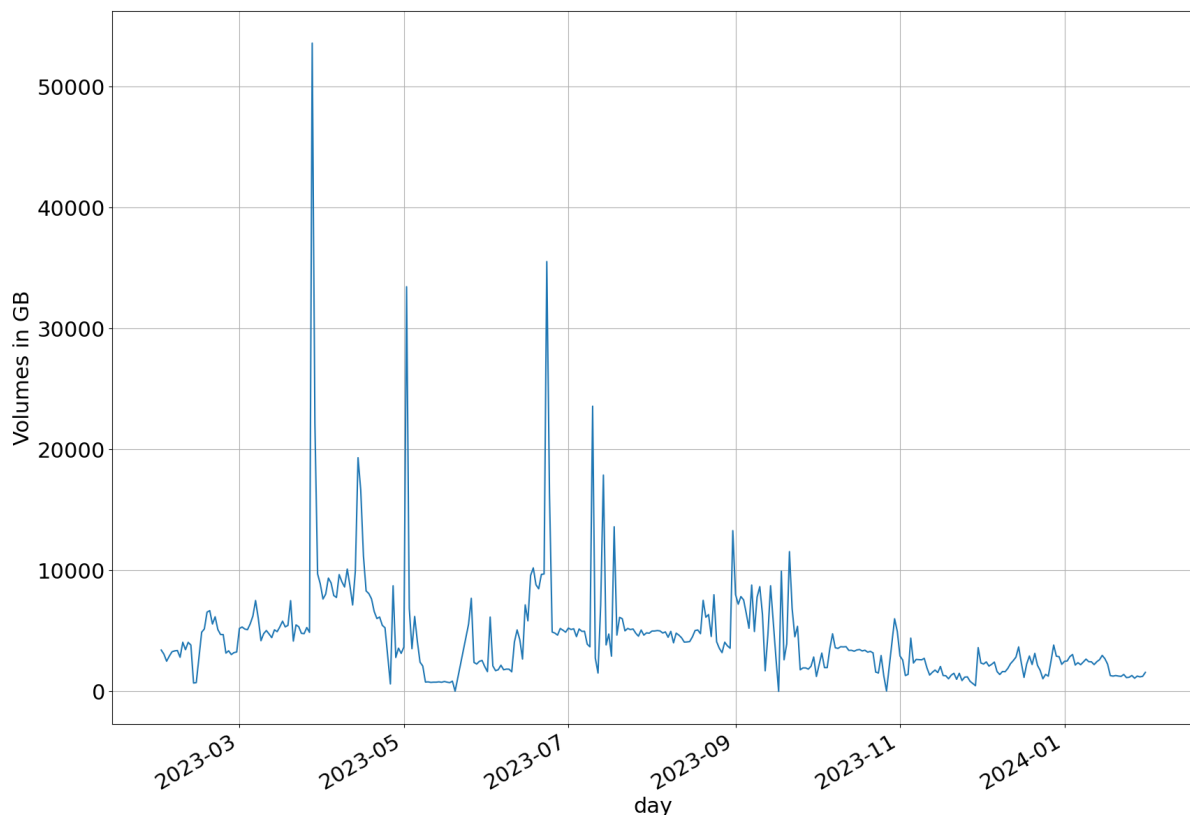
DATA VOLUMES FOR NBS

Satellite data storage requires an important amount of disk space, especially high resolution products such as the ones produced by the Sentinel constellation. This also represents an economical cost. Hence, it is very important to keep track of the total volume of data stored at MET Norway premises. In this section those numbers are shown.

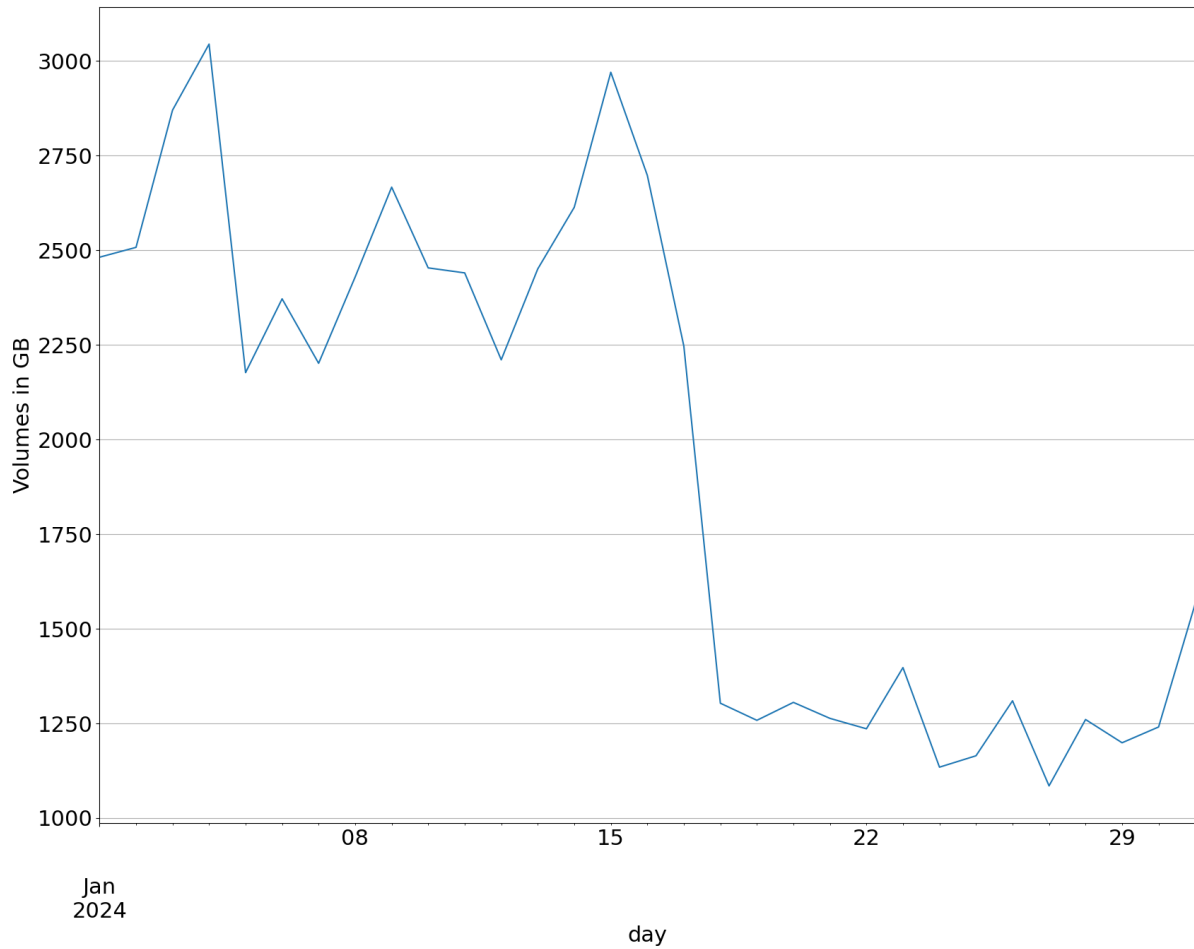
9.1 Volumes for AOI backends

Two type of products can be differentiated, products acquired from ESA datahub which keep the original format and Sentinel products transformed into NetCDF-CF. Those directly acquired from ESA are store at MET Norway BE for the AOI. Later on, they are made available to users through colhub-archive and colhub FEs.

The total amount of Sentinel products for the AOI, located in the AOI BE, represents 4445 TB



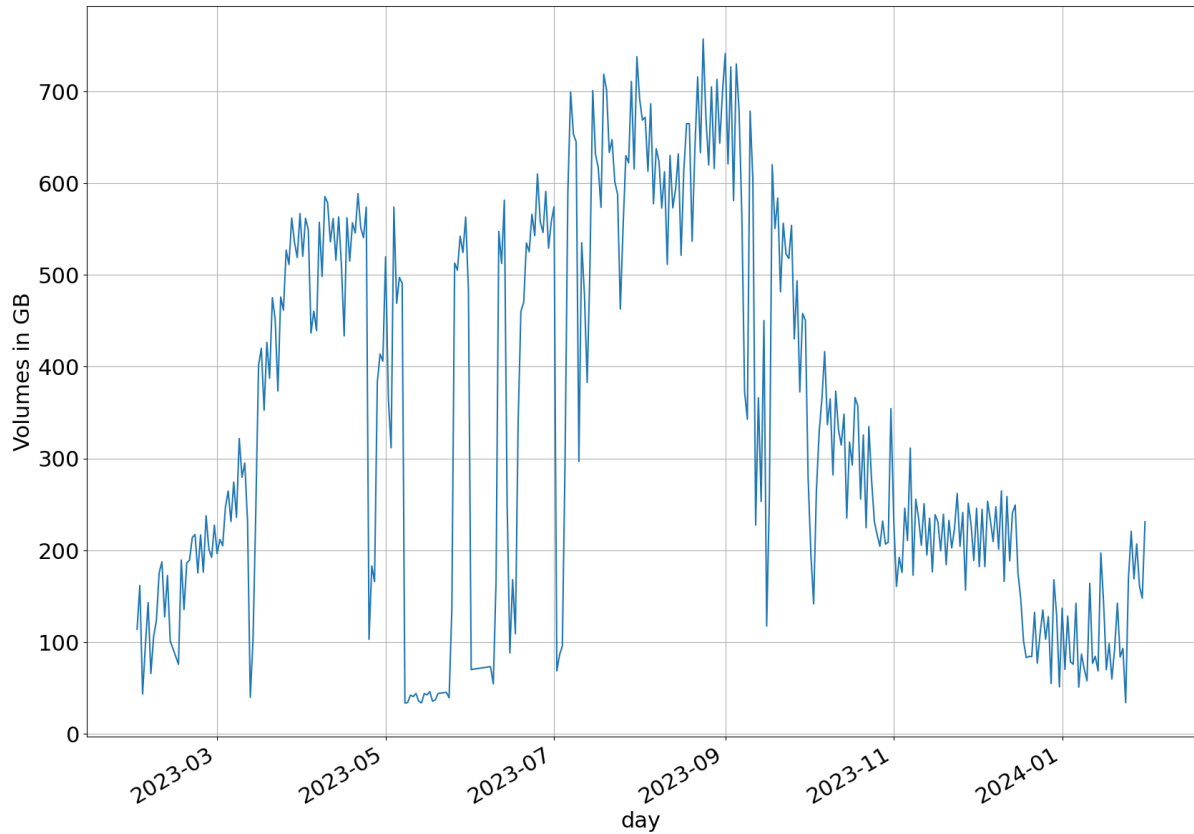
In the graphic above the volume of data per day in GB is shown for the last year. Here we can observed seasonality due to optical sensor products. The table below shows the same information for the last month.



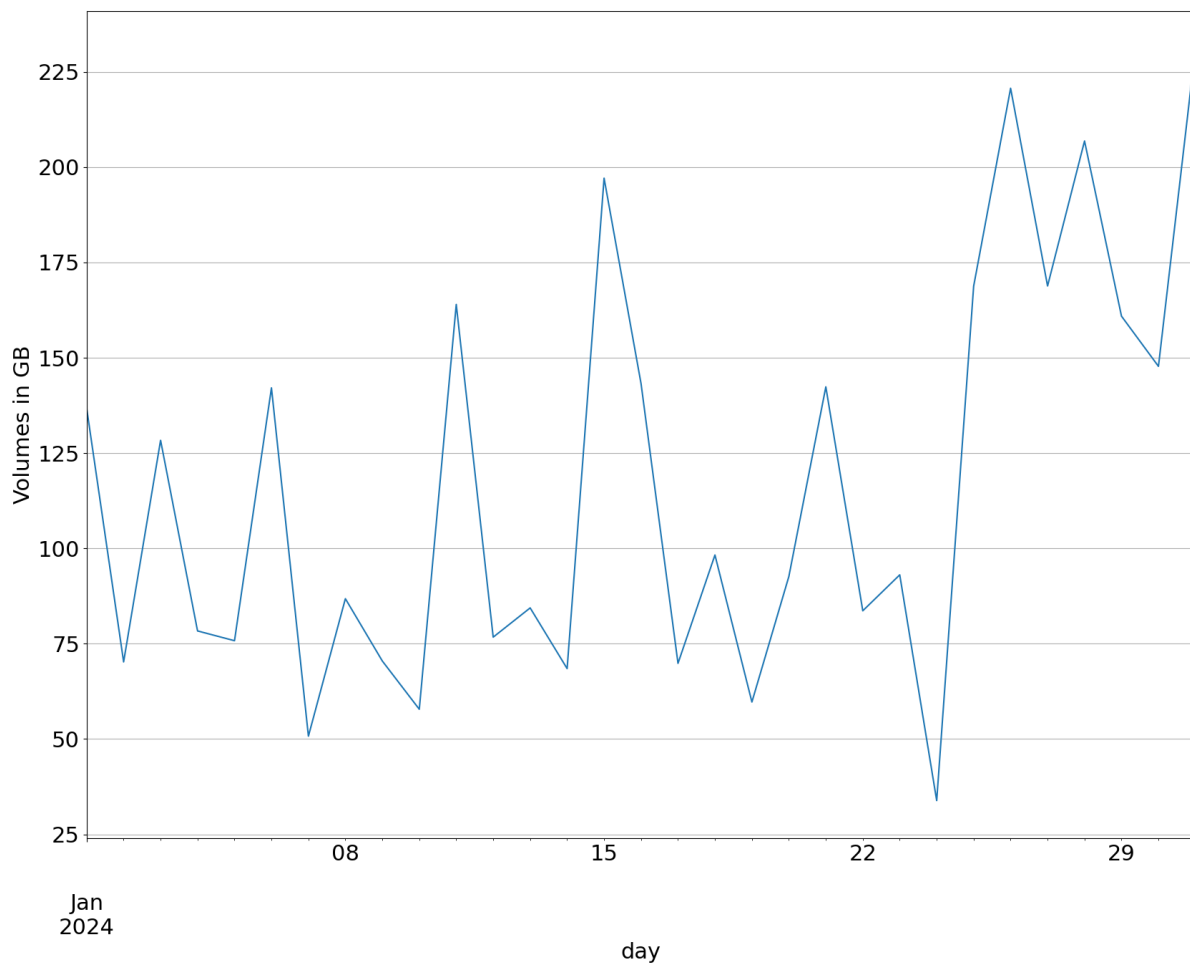
9.2 Volume for netcdf products

The products converted to NetCDF-CF are S1 and S2 products. These Sentinel datasets are served as SAFE format by ESA. This is not always convenient for users. Therefore as part of the NBS project, one of the MET Norway tasks as operator is to translate those products into NetCDF-CF.

The total amount of Sentinel-1 and Sentinel-2 products for the AOI transformed to NetCDF represents 915 TB

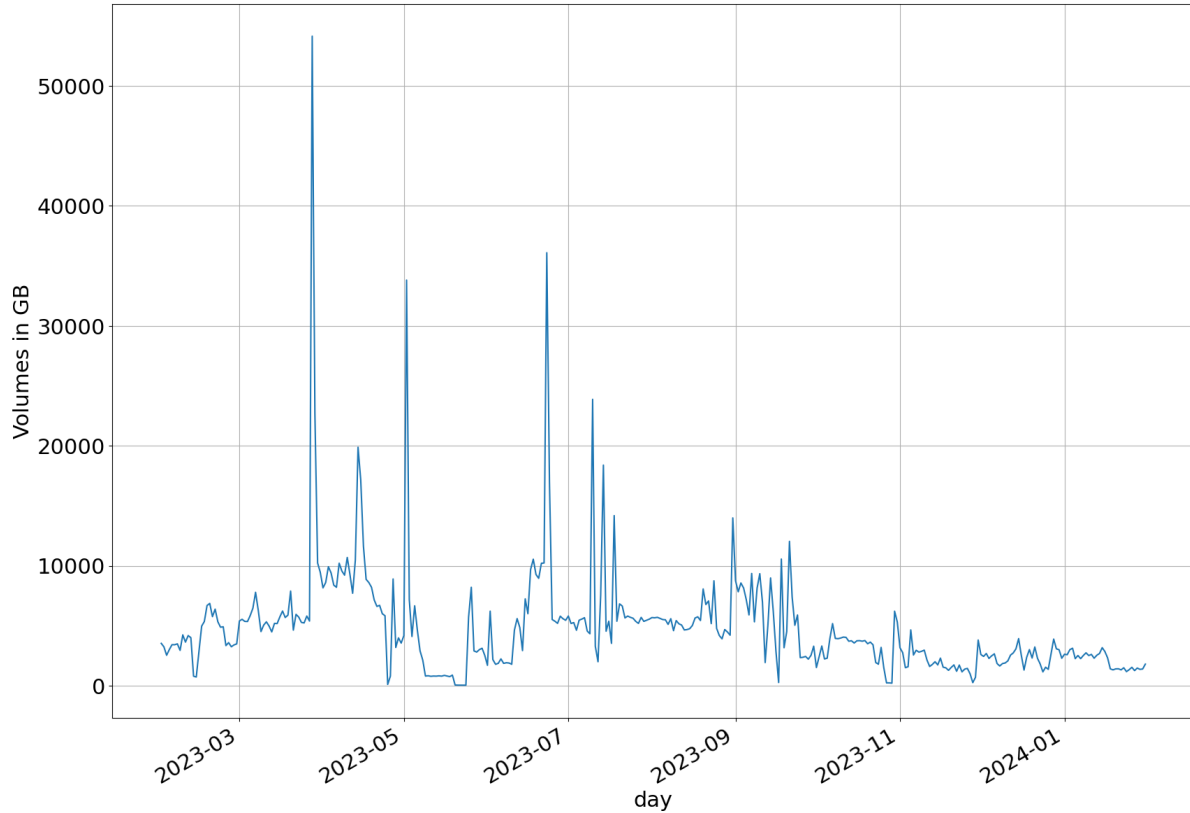


In the graphic above the volume of NetCDF-CF data per day in GB is shown for the last year. Here we can observed seasonality due to optical sensor products. The table below shows the same information for the last 30 days.



9.3 Totals

Finally, the total amount of disk space dedicated to the NBS project, including either products in SAFE and NetCDF formats, represents 5361 TB



In the graphic above the total volume of data per day in GB is shown for the last year. Here we can observed seasonality due to optical sensor products again. The table below shows the same information for the last month.

day	product_type	action	volume	number	timeliness
2024-01-01	GRDH	fscanner	61.236900	22.0	0.662557
2024-01-01	GRDH	synchronized	68.108459	41.0	1.482131
2024-01-01	GRDM	fscanner	6.704678	41.0	0.726772
2024-01-01	GRDM	synchronized	3.633242	10.0	0.782201
2024-01-01	OCN	synchronized	0.673586	36.0	1.534407
2024-01-01	RAW	synchronized	75.371563	53.0	1.247607
2024-01-01	SLC	synchronized	330.595608	44.0	1.879396
2024-01-02	GRDH	fscanner	71.215301	26.0	0.777351
2024-01-02	GRDH	synchronized	92.550255	56.0	1.643807
2024-01-02	GRDM	fscanner	7.992113	43.0	0.787313
2024-01-02	GRDM	synchronized	5.566304	16.0	0.950498
2024-01-02	OCN	synchronized	1.032678	55.0	1.684374
2024-01-02	RAW	synchronized	98.984416	72.0	1.375920
2024-01-02	SLC	synchronized	440.156632	58.0	1.997267
2024-01-03	GRDH	fscanner	62.046200	22.0	0.610737
2024-01-03	GRDH	synchronized	85.515691	51.0	1.987659
2024-01-03	GRDM	fscanner	6.562062	43.0	0.579788
2024-01-03	GRDM	synchronized	6.533691	19.0	1.092568
2024-01-03	OCN	synchronized	1.014850	50.0	1.936416
2024-01-03	RAW	synchronized	96.957445	71.0	1.606015
2024-01-03	SLC	synchronized	408.582993	54.0	2.287091
2024-01-04	GRDH	fscanner	69.097570	23.0	0.711114
2024-01-04	GRDH	synchronized	73.505922	45.0	1.459711
2024-01-04	GRDM	fscanner	7.057801	41.0	0.664424

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2024-01-04	GRDM	synchronized	5.906478	15.0	0.806859
2024-01-04	OCN	synchronized	0.912576	45.0	1.528215
2024-01-04	RAW	synchronized	82.503149	60.0	1.226916
2024-01-04	SLC	synchronized	359.420753	48.0	1.812995
2024-01-05	GRDH	fscanner	46.216097	16.0	0.713087
2024-01-05	GRDH	synchronized	65.596204	39.0	1.340309
2024-01-05	GRDM	fscanner	7.355514	38.0	0.616637
2024-01-05	GRDM	synchronized	9.792338	26.0	0.873879
2024-01-05	OCN	synchronized	1.237516	54.0	1.398858
2024-01-05	RAW	synchronized	84.723716	65.0	1.128077
2024-01-05	SLC	synchronized	328.679801	43.0	1.764233
2024-01-06	GRDH	fscanner	69.545018	22.0	0.710127
2024-01-06	GRDH	synchronized	78.340848	48.0	1.316039
2024-01-06	GRDM	fscanner	3.908796	36.0	0.712193
2024-01-06	GRDM	synchronized	4.669766	12.0	0.997835
2024-01-06	OCN	synchronized	0.799499	42.0	1.361036
2024-01-06	RAW	synchronized	84.432654	60.0	1.085335
2024-01-06	SLC	synchronized	377.712939	51.0	1.639258
2024-01-07	GRDH	fscanner	51.164076	19.0	0.719929
2024-01-07	GRDH	synchronized	73.960878	45.0	1.456150
2024-01-07	GRDM	fscanner	4.761812	32.0	0.658508
2024-01-07	GRDM	synchronized	7.292990	18.0	1.553482
2024-01-07	OCN	synchronized	1.120614	54.0	1.536247
2024-01-07	RAW	synchronized	85.637348	63.0	1.173514
2024-01-07	SLC	synchronized	353.484303	47.0	1.842137
2024-01-08	GRDH	fscanner	63.921925	24.0	0.689263
2024-01-08	GRDH	synchronized	82.875501	50.0	1.461574
2024-01-08	GRDM	fscanner	7.855081	49.0	0.681284
2024-01-08	GRDM	synchronized	5.634133	15.0	0.968760
2024-01-08	OCN	synchronized	0.941548	47.0	1.451214
2024-01-08	RAW	synchronized	91.829809	66.0	1.211288
2024-01-08	SLC	synchronized	398.094282	53.0	1.784334
2024-01-09	GRDH	fscanner	67.526702	23.0	0.681803
2024-01-09	GRDH	synchronized	96.915320	59.0	1.550749
2024-01-09	GRDM	fscanner	3.820850	35.0	0.679987
2024-01-09	GRDM	synchronized	5.112247	13.0	2.069330
2024-01-09	OCN	synchronized	1.054605	58.0	2.160692
2024-01-09	RAW	synchronized	103.718006	73.0	1.273461
2024-01-09	SLC	synchronized	449.166478	60.0	1.924225
2024-01-10	GRDH	fscanner	44.568829	15.0	0.846612
2024-01-10	GRDH	synchronized	81.354321	50.0	1.478124
2024-01-10	GRDM	fscanner	2.742157	25.0	0.714454
2024-01-10	GRDM	synchronized	5.423939	14.0	1.988851
2024-01-10	OCN	synchronized	0.875188	43.0	1.557126
2024-01-10	RAW	synchronized	89.413129	64.0	1.247779
2024-01-10	SLC	synchronized	403.713831	55.0	1.803619
2024-01-11	GRDH	fscanner	71.937886	24.0	0.838899
2024-01-11	GRDH	synchronized	97.335317	59.0	1.460933
2024-01-11	GRDM	fscanner	4.543025	42.0	0.761910
2024-01-11	GRDM	synchronized	2.658682	7.0	2.823129
2024-01-11	OCN	synchronized	0.729710	44.0	1.659393
2024-01-11	RAW	synchronized	96.287337	66.0	1.201950
2024-01-11	SLC	synchronized	473.617688	63.0	1.790765
2024-01-12	GRDH	fscanner	44.464189	18.0	0.598855
2024-01-12	GRDH	synchronized	68.512672	41.0	1.479847
2024-01-12	GRDM	fscanner	6.740371	35.0	0.607784

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2024-01-12	GRDM	synchronized	9.453581	24.0	0.930177
2024-01-12	OCN	synchronized	1.205902	53.0	1.478663
2024-01-12	RAW	synchronized	88.089731	67.0	1.170395
2024-01-12	SLC	synchronized	329.892588	43.0	1.843951
2024-01-13	GRDH	fscanner	64.086151	23.0	0.621136
2024-01-13	GRDH	synchronized	74.588307	45.0	1.366119
2024-01-13	GRDM	fscanner	5.714093	38.0	0.689853
2024-01-13	GRDM	synchronized	4.954852	13.0	1.193726
2024-01-13	OCN	synchronized	0.826930	41.0	1.454889
2024-01-13	RAW	synchronized	81.347449	58.0	1.149573
2024-01-13	SLC	synchronized	360.474689	48.0	1.758091
2024-01-14	GRDH	fscanner	83.467931	30.0	1.011950
2024-01-14	GRDH	synchronized	92.629687	56.0	1.877189
2024-01-14	GRDM	fscanner	5.406704	35.0	0.808240
2024-01-14	GRDM	synchronized	4.447489	13.0	1.200301
2024-01-14	OCN	synchronized	1.016850	59.0	1.933963
2024-01-14	RAW	synchronized	95.588941	69.0	1.409891
2024-01-14	SLC	synchronized	438.419423	58.0	2.219458
2024-01-15	GRDH	fscanner	64.926333	23.0	0.549134
2024-01-15	GRDH	synchronized	107.218147	64.0	1.561307
2024-01-15	GRDM	fscanner	5.578635	40.0	0.634886
2024-01-15	GRDM	synchronized	6.534002	19.0	1.380215
2024-01-15	OCN	synchronized	1.140671	59.0	1.653889
2024-01-15	RAW	synchronized	116.068177	84.0	1.278578
2024-01-15	SLC	synchronized	509.569540	67.0	1.962976
2024-01-16	GRDH	fscanner	69.463456	23.0	0.710403
2024-01-16	GRDH	synchronized	88.270960	54.0	1.509914
2024-01-16	GRDM	synchronized	5.502800	14.0	1.198116
2024-01-16	OCN	synchronized	0.952450	48.0	1.439521
2024-01-16	RAW	synchronized	96.189393	68.0	1.230598
2024-01-16	SLC	synchronized	425.231892	57.0	1.781449
2024-01-17	GRDH	fscanner	47.219475	17.0	0.617905
2024-01-17	GRDH	synchronized	65.602675	39.0	1.435980
2024-01-17	GRDM	synchronized	8.969579	24.0	1.029742
2024-01-17	OCN	synchronized	1.164888	52.0	1.388038
2024-01-17	RAW	synchronized	83.009284	63.0	1.181642
2024-01-17	SLC	synchronized	328.682250	43.0	1.901248
2024-01-01	GRDH	fscanner	61.236900	22.0	0.662557
2024-01-01	GRDH	synchronized	68.108459	41.0	1.482131
2024-01-01	GRDM	fscanner	6.704678	41.0	0.726772
2024-01-01	GRDM	synchronized	3.633242	10.0	0.782201
2024-01-01	OCN	synchronized	0.673586	36.0	1.534407
2024-01-01	RAW	synchronized	75.371563	53.0	1.247607
2024-01-01	SLC	synchronized	330.595608	44.0	1.879396
2024-01-02	GRDH	fscanner	71.215301	26.0	0.777351
2024-01-02	GRDH	synchronized	92.550255	56.0	1.643807
2024-01-02	GRDM	fscanner	7.992113	43.0	0.787313
2024-01-02	GRDM	synchronized	5.566304	16.0	0.950498
2024-01-02	OCN	synchronized	1.032678	55.0	1.684374
2024-01-02	RAW	synchronized	98.984416	72.0	1.375920
2024-01-02	SLC	synchronized	440.156632	58.0	1.997267
2024-01-03	GRDH	fscanner	62.046200	22.0	0.610737
2024-01-03	GRDH	synchronized	85.515691	51.0	1.987659
2024-01-03	GRDM	fscanner	6.562062	43.0	0.579788
2024-01-03	GRDM	synchronized	6.533691	19.0	1.092568
2024-01-03	OCN	synchronized	1.014850	50.0	1.936416

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2024-01-03	RAW	synchronized	96.957445	71.0	1.606015
2024-01-03	SLC	synchronized	408.582993	54.0	2.287091
2024-01-04	GRDH	fscanner	69.097570	23.0	0.711114
2024-01-04	GRDH	synchronized	73.505922	45.0	1.459711
2024-01-04	GRDM	fscanner	7.057801	41.0	0.664424
2024-01-04	GRDM	synchronized	5.906478	15.0	0.806859
2024-01-04	OCN	synchronized	0.912576	45.0	1.528215
2024-01-04	RAW	synchronized	82.503149	60.0	1.226916
2024-01-04	SLC	synchronized	359.420753	48.0	1.812995
2024-01-05	GRDH	fscanner	46.216097	16.0	0.713087
2024-01-05	GRDH	synchronized	65.596204	39.0	1.340309
2024-01-05	GRDM	fscanner	7.355514	38.0	0.616637
2024-01-05	GRDM	synchronized	9.792338	26.0	0.873879
2024-01-05	OCN	synchronized	1.237516	54.0	1.398858
2024-01-05	RAW	synchronized	84.723716	65.0	1.128077
2024-01-05	SLC	synchronized	328.679801	43.0	1.764233
2024-01-06	GRDH	fscanner	69.545018	22.0	0.710127
2024-01-06	GRDH	synchronized	78.340848	48.0	1.316039
2024-01-06	GRDM	fscanner	3.908796	36.0	0.712193
2024-01-06	GRDM	synchronized	4.669766	12.0	0.997835
2024-01-06	OCN	synchronized	0.799499	42.0	1.361036
2024-01-06	RAW	synchronized	84.432654	60.0	1.085335
2024-01-06	SLC	synchronized	377.712939	51.0	1.639258
2024-01-07	GRDH	fscanner	51.164076	19.0	0.719929
2024-01-07	GRDH	synchronized	73.960878	45.0	1.456150
2024-01-07	GRDM	fscanner	4.761812	32.0	0.658508
2024-01-07	GRDM	synchronized	7.292990	18.0	1.553482
2024-01-07	OCN	synchronized	1.120614	54.0	1.536247
2024-01-07	RAW	synchronized	85.637348	63.0	1.173514
2024-01-07	SLC	synchronized	353.484303	47.0	1.842137
2024-01-08	GRDH	fscanner	63.921925	24.0	0.689263
2024-01-08	GRDH	synchronized	82.875501	50.0	1.461574
2024-01-08	GRDM	fscanner	7.855081	49.0	0.681284
2024-01-08	GRDM	synchronized	5.634133	15.0	0.968760
2024-01-08	OCN	synchronized	0.941548	47.0	1.451214
2024-01-08	RAW	synchronized	91.829809	66.0	1.211288
2024-01-08	SLC	synchronized	398.094282	53.0	1.784334
2024-01-09	GRDH	fscanner	67.526702	23.0	0.681803
2024-01-09	GRDH	synchronized	96.915320	59.0	1.550749
2024-01-09	GRDM	fscanner	3.820850	35.0	0.679987
2024-01-09	GRDM	synchronized	5.112247	13.0	2.069330
2024-01-09	OCN	synchronized	1.054605	58.0	2.160692
2024-01-09	RAW	synchronized	103.718006	73.0	1.273461
2024-01-09	SLC	synchronized	449.166478	60.0	1.924225
2024-01-10	GRDH	fscanner	44.568829	15.0	0.846612
2024-01-10	GRDH	synchronized	81.354321	50.0	1.478124
2024-01-10	GRDM	fscanner	2.742157	25.0	0.714454
2024-01-10	GRDM	synchronized	5.423939	14.0	1.988851
2024-01-10	OCN	synchronized	0.875188	43.0	1.557126
2024-01-10	RAW	synchronized	89.413129	64.0	1.247779
2024-01-10	SLC	synchronized	403.713831	55.0	1.803619
2024-01-11	GRDH	fscanner	71.937886	24.0	0.838899
2024-01-11	GRDH	synchronized	97.335317	59.0	1.460933
2024-01-11	GRDM	fscanner	4.543025	42.0	0.761910
2024-01-11	GRDM	synchronized	2.658682	7.0	2.823129
2024-01-11	OCN	synchronized	0.729710	44.0	1.659393

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2024-01-11	RAW	synchronized	96.287337	66.0	1.201950
2024-01-11	SLC	synchronized	473.617688	63.0	1.790765
2024-01-12	GRDH	fscanner	44.464189	18.0	0.598855
2024-01-12	GRDH	synchronized	68.512672	41.0	1.479847
2024-01-12	GRDM	fscanner	6.740371	35.0	0.607784
2024-01-12	GRDM	synchronized	9.453581	24.0	0.930177
2024-01-12	OCN	synchronized	1.205902	53.0	1.478663
2024-01-12	RAW	synchronized	88.089731	67.0	1.170395
2024-01-12	SLC	synchronized	329.892588	43.0	1.843951
2024-01-13	GRDH	fscanner	64.086151	23.0	0.621136
2024-01-13	GRDH	synchronized	74.588307	45.0	1.366119
2024-01-13	GRDM	fscanner	5.714093	38.0	0.689853
2024-01-13	GRDM	synchronized	4.954852	13.0	1.193726
2024-01-13	OCN	synchronized	0.826930	41.0	1.454889
2024-01-13	RAW	synchronized	81.347449	58.0	1.149573
2024-01-13	SLC	synchronized	360.474689	48.0	1.758091
2024-01-14	GRDH	fscanner	83.467931	30.0	1.011950
2024-01-14	GRDH	synchronized	92.629687	56.0	1.877189
2024-01-14	GRDM	fscanner	5.406704	35.0	0.808240
2024-01-14	GRDM	synchronized	4.447489	13.0	1.200301
2024-01-14	OCN	synchronized	1.016850	59.0	1.933963
2024-01-14	RAW	synchronized	95.588941	69.0	1.409891
2024-01-14	SLC	synchronized	438.419423	58.0	2.219458
2024-01-15	GRDH	fscanner	64.926333	23.0	0.549134
2024-01-15	GRDH	synchronized	107.218147	64.0	1.561307
2024-01-15	GRDM	fscanner	5.578635	40.0	0.634886
2024-01-15	GRDM	synchronized	6.534002	19.0	1.380215
2024-01-15	OCN	synchronized	1.140671	59.0	1.653889
2024-01-15	RAW	synchronized	116.068177	84.0	1.278578
2024-01-15	SLC	synchronized	509.569540	67.0	1.962976
2024-01-16	GRDH	fscanner	69.463456	23.0	0.710403
2024-01-16	GRDH	synchronized	88.270960	54.0	1.509914
2024-01-16	GRDM	synchronized	5.502800	14.0	1.198116
2024-01-16	OCN	synchronized	0.952450	48.0	1.439521
2024-01-16	RAW	synchronized	96.189393	68.0	1.230598
2024-01-16	SLC	synchronized	425.231892	57.0	1.781449
2024-01-17	GRDH	fscanner	47.219475	17.0	0.617905
2024-01-17	GRDH	synchronized	65.602675	39.0	1.435980
2024-01-17	GRDM	synchronized	8.969579	24.0	1.029742
2024-01-17	OCN	synchronized	1.164888	52.0	1.388038
2024-01-17	RAW	synchronized	83.009284	63.0	1.181642
2024-01-17	SLC	synchronized	328.682250	43.0	1.901248
2024-01-18	GRDH	fscanner	69.941766	22.0	0.798785
2024-01-18	GRDH	synchronized	78.174840	48.0	1.382003
2024-01-18	GRDM	synchronized	5.305878	14.0	1.060329
2024-01-18	OCN	synchronized	0.855269	44.0	1.447146
2024-01-18	RAW	synchronized	86.175794	62.0	1.149915
2024-01-18	SLC	synchronized	376.926516	51.0	1.631718
2024-01-19	GRDH	fscanner	55.727958	21.0	0.713469
2024-01-19	GRDH	synchronized	87.036251	53.0	2.006641
2024-01-19	GRDM	synchronized	6.212632	16.0	1.520958
2024-01-19	OCN	synchronized	1.124058	60.0	1.969820
2024-01-19	RAW	synchronized	95.208064	69.0	1.309248
2024-01-19	SLC	synchronized	411.556918	55.0	2.162241
2024-01-20	GRDH	fscanner	70.825533	27.0	0.721913
2024-01-20	GRDH	synchronized	82.884713	50.0	1.329970

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2024-01-20	GRDM	synchronized	6.855331	18.0	1.194567
2024-01-20	OCN	synchronized	1.052172	50.0	1.396630
2024-01-20	RAW	synchronized	93.285572	68.0	1.119823
2024-01-20	SLC	synchronized	398.090362	53.0	1.648421
2024-01-21	GRDH	fscanner	71.932768	24.0	0.701763
2024-01-21	GRDH	synchronized	82.909896	50.0	1.474249
2024-01-21	GRDM	synchronized	5.113338	13.0	1.969253
2024-01-21	OCN	synchronized	0.943974	49.0	1.533113
2024-01-21	RAW	synchronized	90.481445	64.0	1.088626
2024-01-21	SLC	synchronized	386.663107	51.0	1.703951
2024-01-22	GRDH	fscanner	43.361505	14.0	4.280292
2024-01-22	GRDH	synchronized	81.357635	50.0	1.429999
2024-01-22	GRDM	synchronized	2.712063	7.0	2.742954
2024-01-22	OCN	synchronized	0.628964	36.0	1.469579
2024-01-22	RAW	synchronized	83.408596	57.0	1.173906
2024-01-22	SLC	synchronized	392.163536	53.0	1.747347
2024-01-23	GRDH	fscanner	77.719267	26.0	0.853739
2024-01-23	GRDH	synchronized	97.156886	59.0	1.388916
2024-01-23	GRDM	synchronized	5.100867	13.0	1.245128
2024-01-23	OCN	synchronized	0.945610	50.0	1.525706
2024-01-23	RAW	synchronized	103.167551	72.0	1.154462
2024-01-23	SLC	synchronized	472.835974	63.0	1.763990
2024-01-24	GRDH	fscanner	20.739466	9.0	0.753830
2024-01-24	GRDH	synchronized	68.695428	41.0	1.493351
2024-01-24	GRDM	synchronized	6.611390	17.0	0.943912
2024-01-24	OCN	synchronized	0.982777	47.0	1.531542
2024-01-24	RAW	synchronized	79.707670	58.0	1.240937
2024-01-24	SLC	synchronized	330.727897	43.0	1.840226
2024-01-25	GRDH	synchronized	77.926065	47.0	1.349608
2024-01-25	GRDM	synchronized	4.954523	13.0	1.221939
2024-01-25	OCN	synchronized	0.839822	42.0	1.404957
2024-01-25	RAW	synchronized	84.591104	60.0	1.096770
2024-01-25	SLC	synchronized	375.514048	50.0	1.746703
2024-01-26	GRDH	synchronized	92.744940	56.0	1.531699
2024-01-26	GRDM	synchronized	4.447420	13.0	0.916926
2024-01-26	OCN	synchronized	1.014942	59.0	1.610910
2024-01-26	RAW	synchronized	96.178508	69.0	1.303859
2024-01-26	SLC	synchronized	439.279086	58.0	1.911033
2024-01-27	GRDH	synchronized	83.833556	50.0	1.434524
2024-01-27	GRDM	synchronized	6.533932	19.0	1.167337
2024-01-27	OCN	synchronized	1.013975	50.0	1.471710
2024-01-27	RAW	synchronized	95.603753	70.0	1.185367
2024-01-27	SLC	synchronized	400.693944	53.0	1.855246
2024-01-28	GRDH	synchronized	88.268978	54.0	1.493533
2024-01-28	GRDM	synchronized	5.503000	14.0	1.150413
2024-01-28	OCN	synchronized	0.949821	48.0	1.394593
2024-01-28	RAW	synchronized	96.573370	68.0	1.258589
2024-01-28	SLC	synchronized	425.234448	57.0	1.809597
2024-01-29	GRDH	synchronized	65.594858	39.0	1.373559
2024-01-29	GRDM	synchronized	8.967649	24.0	0.898456
2024-01-29	OCN	synchronized	1.161320	52.0	1.396326
2024-01-29	RAW	synchronized	83.203781	63.0	1.141237
2024-01-29	SLC	synchronized	328.688119	43.0	1.808325
2024-01-30	GRDH	synchronized	78.163525	48.0	1.194903
2024-01-30	GRDM	synchronized	5.305306	14.0	1.090362
2024-01-30	OCN	synchronized	0.852672	44.0	1.236747

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2024-01-30	RAW	synchronized	86.793818	62.0	0.970451
2024-01-30	SLC	synchronized	376.934760	51.0	1.586593
2024-01-31	GRDH	synchronized	87.031525	53.0	4.086715
2024-01-31	GRDM	synchronized	4.176284	11.0	3.657897
2024-01-31	OCN	synchronized	0.973972	56.0	3.931073
2024-01-31	RAW	synchronized	90.706311	64.0	3.625746
2024-01-31	SLC	synchronized	411.566085	55.0	4.228945
2024-01-01	MSIL1C	synchronized	77.870098	162.0	59.837439
2024-01-02	MSIL1C	synchronized	53.184204	111.0	49.814446
2024-01-03	MSIL1C	synchronized	80.777097	170.0	29.595375
2024-01-04	MSIL1C	synchronized	96.186220	192.0	9.111667
2024-01-05	MSIL1C	synchronized	55.439398	109.0	3.213942
2024-01-06	MSIL1C	synchronized	62.952127	124.0	3.168162
2024-01-07	MSIL1C	synchronized	62.298593	119.0	2.814729
2024-01-08	MSIL1C	synchronized	63.873715	125.0	3.207160
2024-01-09	MSIL1C	synchronized	59.877190	128.0	3.451193
2024-01-10	MSIL1C	synchronized	62.926763	131.0	6.115315
2024-01-11	MSIL1C	synchronized	29.423604	65.0	2.799950
2024-01-12	MSIL1C	synchronized	67.593192	132.0	34.126381
2024-01-13	MSIL1C	synchronized	108.561829	230.0	10.733147
2024-01-14	MSIL1C	synchronized	68.262741	143.0	2.859147
2024-01-15	MSIL1C	synchronized	82.129438	178.0	4.150410
2024-01-16	MSIL1C	synchronized	81.797718	179.0	2.851388
2024-01-17	MSIL1C	synchronized	91.940976	190.0	2.809412
2024-01-01	MSIL1C	synchronized	77.870098	162.0	59.837439
2024-01-02	MSIL1C	synchronized	53.184204	111.0	49.814446
2024-01-03	MSIL1C	synchronized	80.777097	170.0	29.595375
2024-01-04	MSIL1C	synchronized	96.186220	192.0	9.111667
2024-01-05	MSIL1C	synchronized	55.439398	109.0	3.213942
2024-01-06	MSIL1C	synchronized	62.952127	124.0	3.168162
2024-01-07	MSIL1C	synchronized	62.298593	119.0	2.814729
2024-01-08	MSIL1C	synchronized	63.873715	125.0	3.207160
2024-01-09	MSIL1C	synchronized	59.877190	128.0	3.451193
2024-01-10	MSIL1C	synchronized	62.926763	131.0	6.115315
2024-01-11	MSIL1C	synchronized	29.423604	65.0	2.799950
2024-01-12	MSIL1C	synchronized	67.593192	132.0	34.126381
2024-01-13	MSIL1C	synchronized	108.561829	230.0	10.733147
2024-01-14	MSIL1C	synchronized	68.262741	143.0	2.859147
2024-01-15	MSIL1C	synchronized	82.129438	178.0	4.150410
2024-01-16	MSIL1C	synchronized	81.797718	179.0	2.851388
2024-01-17	MSIL1C	synchronized	91.940976	190.0	2.809412
2024-01-18	MSIL1C	synchronized	97.035755	215.0	4.076265
2024-01-19	MSIL1C	synchronized	85.714834	183.0	4.211611
2024-01-20	MSIL1C	synchronized	89.305075	193.0	4.483777
2024-01-21	MSIL1C	synchronized	101.296591	230.0	9.006452
2024-01-22	MSIL1C	synchronized	83.401605	194.0	5.586667
2024-01-23	MSIL1C	synchronized	99.781773	220.0	9.542499
2024-01-24	MSIL1C	synchronized	32.491774	77.0	7.811896
2024-01-25	MSIL1C	synchronized	107.649680	240.0	5.035950
2024-01-26	MSIL1C	synchronized	97.600038	223.0	7.617979
2024-01-27	MSIL1C	synchronized	40.905081	86.0	5.664994
2024-01-28	MSIL1C	synchronized	77.004831	175.0	8.683332
2024-01-29	MSIL1C	synchronized	88.653408	209.0	11.039588
2024-01-30	MSIL1C	synchronized	162.651291	352.0	8.143687
2024-01-31	MSIL1C	synchronized	134.344790	285.0	3.968170
2024-01-01	MSIL2A	synchronized	95.631798	162.0	56.709758

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2024-01-02	MSIL2A	synchronized	91.398553	149.0	46.089651
2024-01-03	MSIL2A	synchronized	76.131780	132.0	26.217527
2024-01-04	MSIL2A	synchronized	117.539497	192.0	6.239768
2024-01-05	MSIL2A	synchronized	70.483556	109.0	3.837609
2024-01-06	MSIL2A	synchronized	80.954568	124.0	3.689999
2024-01-07	MSIL2A	synchronized	56.888431	78.0	3.058661
2024-01-08	MSIL2A	synchronized	108.402592	166.0	3.972898
2024-01-09	MSIL2A	synchronized	75.584922	128.0	3.807408
2024-01-10	MSIL2A	synchronized	78.146171	132.0	6.461140
2024-01-11	MSIL2A	synchronized	35.608291	62.0	3.963879
2024-01-12	MSIL2A	synchronized	53.914344	86.0	6.081767
2024-01-13	MSIL2A	synchronized	113.034054	180.0	24.732279
2024-01-14	MSIL2A	synchronized	138.033175	239.0	6.884830
2024-01-15	MSIL2A	synchronized	104.879293	183.0	4.975914
2024-01-16	MSIL2A	synchronized	103.986931	179.0	3.418168
2024-01-17	MSIL2A	synchronized	108.624716	177.0	3.237904
2024-01-01	MSIL2A	synchronized	95.631798	162.0	56.709758
2024-01-02	MSIL2A	synchronized	91.398553	149.0	46.089651
2024-01-03	MSIL2A	synchronized	76.131780	132.0	26.217527
2024-01-04	MSIL2A	synchronized	117.539497	192.0	6.239768
2024-01-05	MSIL2A	synchronized	70.483556	109.0	3.837609
2024-01-06	MSIL2A	synchronized	80.954568	124.0	3.689999
2024-01-07	MSIL2A	synchronized	56.888431	78.0	3.058661
2024-01-08	MSIL2A	synchronized	108.402592	166.0	3.972898
2024-01-09	MSIL2A	synchronized	75.584922	128.0	3.807408
2024-01-10	MSIL2A	synchronized	78.146171	132.0	6.461140
2024-01-11	MSIL2A	synchronized	35.608291	62.0	3.963879
2024-01-12	MSIL2A	synchronized	53.914344	86.0	6.081767
2024-01-13	MSIL2A	synchronized	113.034054	180.0	24.732279
2024-01-14	MSIL2A	synchronized	138.033175	239.0	6.884830
2024-01-15	MSIL2A	synchronized	104.879293	183.0	4.975914
2024-01-16	MSIL2A	synchronized	103.986931	179.0	3.418168
2024-01-17	MSIL2A	synchronized	108.624716	177.0	3.237904
2024-01-18	MSIL2A	synchronized	121.379436	215.0	5.856904
2024-01-19	MSIL2A	synchronized	110.152060	183.0	6.067889
2024-01-20	MSIL2A	synchronized	109.678667	193.0	6.503818
2024-01-21	MSIL2A	synchronized	95.607495	181.0	11.292146
2024-01-22	MSIL2A	synchronized	95.921711	182.0	6.817568
2024-01-23	MSIL2A	synchronized	81.504116	149.0	6.253807
2024-01-24	MSIL2A	synchronized	115.862553	209.0	16.922986
2024-01-25	MSIL2A	synchronized	111.583577	210.0	4.827639
2024-01-26	MSIL2A	synchronized	107.531665	196.0	6.123178
2024-01-27	MSIL2A	synchronized	66.444535	115.0	5.961154
2024-01-28	MSIL2A	synchronized	58.557864	114.0	3.723256
2024-01-29	MSIL2A	synchronized	144.796578	268.0	39.706976
2024-01-30	MSIL2A	synchronized	231.225282	420.0	33.470728
2024-01-31	MSIL2A	synchronized	168.813834	270.0	22.348873
2024-01-01	OLCI_L1	synchronized	17.049492	27.0	64.401871
2024-01-01	OLCI_L2	synchronized	2.490539	23.0	65.167081
2024-01-01	SLSTR_L1	synchronized	106.591690	283.0	65.977207
2024-01-01	SLSTR_L2	synchronized	24.955638	418.0	76.976557
2024-01-01	SRAL_L1	synchronized	216.618546	137.0	95.689459
2024-01-01	SRAL_L2	synchronized	8.226282	322.0	96.287218
2024-01-01	SYN_L2	synchronized	3.242200	43.0	91.280438
2024-01-02	OLCI_L1	synchronized	8.497323	13.0	55.724511
2024-01-02	OLCI_L2	synchronized	1.623891	15.0	55.890866

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2024-01-02	SLSTR_L1	synchronized	63.569081	170.0	66.623666
2024-01-02	SLSTR_L2	synchronized	15.049017	251.0	70.264382
2024-01-02	SRAL_L1	synchronized	133.112354	80.0	88.642399
2024-01-02	SRAL_L2	synchronized	5.178127	196.0	89.083164
2024-01-02	SYN_L2	synchronized	3.025993	39.0	92.034033
2024-01-03	OLCI_L1	synchronized	17.522815	28.0	52.152922
2024-01-03	OLCI_L2	synchronized	3.230052	30.0	53.669206
2024-01-03	SLSTR_L1	synchronized	123.349990	330.0	53.404250
2024-01-03	SLSTR_L2	synchronized	29.941229	501.0	65.234642
2024-01-03	SRAL_L1	synchronized	262.074605	160.0	78.695772
2024-01-03	SRAL_L2	synchronized	10.189126	387.0	79.196636
2024-01-03	SYN_L2	synchronized	4.782616	55.0	79.874711
2024-01-04	OLCI_L1	synchronized	19.168329	30.0	21.011180
2024-01-04	OLCI_L2	synchronized	3.035152	28.0	21.293031
2024-01-04	SLSTR_L1	synchronized	147.977765	395.0	28.092560
2024-01-04	SLSTR_L2	synchronized	35.132883	588.0	34.309766
2024-01-04	SRAL_L1	synchronized	304.348923	193.0	48.956527
2024-01-04	SRAL_L2	synchronized	11.806114	463.0	48.535390
2024-01-04	SYN_L2	synchronized	5.539427	75.0	53.414056
2024-01-05	OLCI_L1	synchronized	10.462720	16.0	8.459243
2024-01-05	OLCI_L2	synchronized	1.545506	14.0	3.733615
2024-01-05	SLSTR_L1	synchronized	63.430407	169.0	17.762932
2024-01-05	SLSTR_L2	synchronized	15.195562	254.0	22.504882
2024-01-05	SRAL_L1	synchronized	139.264751	86.0	38.884322
2024-01-05	SRAL_L2	synchronized	5.370536	208.0	40.377275
2024-01-05	SYN_L2	synchronized	2.181625	29.0	38.600175
2024-01-06	OLCI_L1	synchronized	9.569565	15.0	6.263203
2024-01-06	OLCI_L2	synchronized	1.782288	16.0	10.302086
2024-01-06	SLSTR_L1	synchronized	64.042819	171.0	20.450588
2024-01-06	SLSTR_L2	synchronized	15.594921	260.0	23.291312
2024-01-06	SRAL_L1	synchronized	138.818202	84.0	39.363860
2024-01-06	SRAL_L2	synchronized	5.002965	191.0	40.409050
2024-01-06	SYN_L2	synchronized	2.530505	32.0	40.158481
2024-01-07	OLCI_L1	synchronized	9.246779	14.0	12.649722
2024-01-07	OLCI_L2	synchronized	1.554953	14.0	14.978790
2024-01-07	SLSTR_L1	synchronized	67.239858	179.0	7.837148
2024-01-07	SLSTR_L2	synchronized	15.974476	267.0	23.634605
2024-01-07	SRAL_L1	synchronized	136.857841	85.0	42.874842
2024-01-07	SRAL_L2	synchronized	5.241595	197.0	44.080146
2024-01-07	SYN_L2	synchronized	2.436196	30.0	42.596011
2024-01-08	OLCI_L1	synchronized	9.383741	13.0	5.769923
2024-01-08	OLCI_L2	synchronized	1.679697	15.0	5.935684
2024-01-08	SLSTR_L1	synchronized	55.207322	147.0	17.738776
2024-01-08	SLSTR_L2	synchronized	13.386108	224.0	22.172871
2024-01-08	SRAL_L1	synchronized	113.456346	66.0	41.834965
2024-01-08	SRAL_L2	synchronized	4.313239	159.0	43.247089
2024-01-08	SYN_L2	synchronized	2.591120	25.0	34.849375
2024-01-09	OLCI_L1	synchronized	14.339023	21.0	15.490348
2024-01-09	OLCI_L2	synchronized	2.181246	19.0	15.906287
2024-01-09	SLSTR_L1	synchronized	69.933514	186.0	21.551629
2024-01-09	SLSTR_L2	synchronized	16.258095	272.0	31.475207
2024-01-09	SRAL_L1	synchronized	156.658416	96.0	50.667364
2024-01-09	SRAL_L2	synchronized	5.983346	233.0	49.692202
2024-01-09	SYN_L2	synchronized	2.916959	31.0	36.736372
2024-01-10	OLCI_L1	synchronized	10.759769	16.0	9.144611
2024-01-10	OLCI_L2	synchronized	1.634247	14.0	6.352201

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2024-01-10	SLSTR_L1	synchronized	74.752041	200.0	7.765402
2024-01-10	SLSTR_L2	synchronized	17.856317	298.0	25.228844
2024-01-10	SRAL_L1	synchronized	153.624510	102.0	38.724580
2024-01-10	SRAL_L2	synchronized	6.083666	244.0	39.446450
2024-01-10	SYN_L2	synchronized	3.661787	39.0	42.952426
2024-01-11	OLCI_L1	synchronized	12.224561	18.0	4.031617
2024-01-11	OLCI_L2	synchronized	2.452177	21.0	13.093980
2024-01-11	SLSTR_L1	synchronized	65.668836	175.0	4.267879
2024-01-11	SLSTR_L2	synchronized	16.047519	269.0	21.232253
2024-01-11	SRAL_L1	synchronized	134.512694	84.0	39.794730
2024-01-11	SRAL_L2	synchronized	4.933253	191.0	40.658356
2024-01-11	SYN_L2	synchronized	2.926334	33.0	38.266844
2024-01-12	OLCI_L1	synchronized	13.154280	19.0	12.668341
2024-01-12	OLCI_L2	synchronized	2.190703	19.0	13.768150
2024-01-12	SLSTR_L1	synchronized	63.184299	168.0	4.620445
2024-01-12	SLSTR_L2	synchronized	14.876306	249.0	20.035114
2024-01-12	SRAL_L1	synchronized	145.354446	88.0	38.969670
2024-01-12	SRAL_L2	synchronized	5.644810	216.0	41.007222
2024-01-12	SYN_L2	synchronized	4.262195	39.0	41.643158
2024-01-13	OLCI_L1	synchronized	11.555071	17.0	5.822786
2024-01-13	OLCI_L2	synchronized	1.782192	16.0	4.947113
2024-01-13	SLSTR_L1	synchronized	58.080235	156.0	17.888995
2024-01-13	SLSTR_L2	synchronized	14.042275	237.0	22.654985
2024-01-13	SRAL_L1	synchronized	130.290697	77.0	39.141151
2024-01-13	SRAL_L2	synchronized	4.933785	184.0	40.385944
2024-01-13	SYN_L2	synchronized	4.126543	41.0	41.180521
2024-01-14	OLCI_L1	synchronized	10.106689	14.0	15.456314
2024-01-14	OLCI_L2	synchronized	1.857937	16.0	17.230472
2024-01-14	SLSTR_L1	synchronized	49.168671	132.0	27.750228
2024-01-14	SLSTR_L2	synchronized	12.380831	206.0	31.390912
2024-01-14	SRAL_L1	synchronized	95.848448	56.0	46.591392
2024-01-14	SRAL_L2	synchronized	3.592601	129.0	48.277029
2024-01-14	SYN_L2	synchronized	1.687112	13.0	46.983509
2024-01-15	OLCI_L1	synchronized	14.058068	20.0	11.987456
2024-01-15	OLCI_L2	synchronized	2.338947	20.0	11.945374
2024-01-15	SLSTR_L1	synchronized	72.222982	191.0	11.844453
2024-01-15	SLSTR_L2	synchronized	16.886372	282.0	24.886335
2024-01-15	SRAL_L1	synchronized	159.702287	97.0	45.722695
2024-01-15	SRAL_L2	synchronized	5.965424	235.0	45.461580
2024-01-15	SYN_L2	synchronized	4.450606	51.0	37.105432
2024-01-16	OLCI_L1	synchronized	16.443309	23.0	13.601942
2024-01-16	OLCI_L2	synchronized	2.244345	19.0	14.497017
2024-01-16	SLSTR_L1	synchronized	77.767531	206.0	6.149102
2024-01-16	SLSTR_L2	synchronized	18.085269	303.0	21.197730
2024-01-16	SRAL_L1	synchronized	160.178341	106.0	38.826769
2024-01-16	SRAL_L2	synchronized	6.321403	254.0	40.512473
2024-01-16	SYN_L2	synchronized	3.417058	39.0	42.841631
2024-01-17	OLCI_L1	synchronized	11.054964	15.0	5.837691
2024-01-17	OLCI_L2	synchronized	2.272322	19.0	9.688709
2024-01-17	SLSTR_L1	synchronized	51.453451	136.0	20.158156
2024-01-17	SLSTR_L2	synchronized	12.574504	210.0	24.598522
2024-01-17	SRAL_L1	synchronized	112.598393	63.0	40.262674
2024-01-17	SRAL_L2	synchronized	4.022735	144.0	42.095484
2024-01-17	SYN_L2	synchronized	2.416267	27.0	41.229089
2024-01-01	OLCI_L1	synchronized	17.049492	27.0	64.401871
2024-01-01	OLCI_L2	synchronized	2.490539	23.0	65.167081

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2024-01-01	SLSTR_L1	synchronized	106.591690	283.0	65.977207
2024-01-01	SLSTR_L2	synchronized	24.955638	418.0	76.976557
2024-01-01	SRAL_L1	synchronized	216.618546	137.0	95.689459
2024-01-01	SRAL_L2	synchronized	8.226282	322.0	96.287218
2024-01-01	SYN_L2	synchronized	3.242200	43.0	91.280438
2024-01-02	OLCI_L1	synchronized	8.497323	13.0	55.724511
2024-01-02	OLCI_L2	synchronized	1.623891	15.0	55.890866
2024-01-02	SLSTR_L1	synchronized	63.569081	170.0	66.623666
2024-01-02	SLSTR_L2	synchronized	15.049017	251.0	70.264382
2024-01-02	SRAL_L1	synchronized	133.112354	80.0	88.642399
2024-01-02	SRAL_L2	synchronized	5.178127	196.0	89.083164
2024-01-02	SYN_L2	synchronized	3.025993	39.0	92.034033
2024-01-03	OLCI_L1	synchronized	17.522815	28.0	52.152922
2024-01-03	OLCI_L2	synchronized	3.230052	30.0	53.669206
2024-01-03	SLSTR_L1	synchronized	123.349990	330.0	53.404250
2024-01-03	SLSTR_L2	synchronized	29.941229	501.0	65.234642
2024-01-03	SRAL_L1	synchronized	262.074605	160.0	78.695772
2024-01-03	SRAL_L2	synchronized	10.189126	387.0	79.196636
2024-01-03	SYN_L2	synchronized	4.782616	55.0	79.874711
2024-01-04	OLCI_L1	synchronized	19.168329	30.0	21.011180
2024-01-04	OLCI_L2	synchronized	3.035152	28.0	21.293031
2024-01-04	SLSTR_L1	synchronized	147.977765	395.0	28.092560
2024-01-04	SLSTR_L2	synchronized	35.132883	588.0	34.309766
2024-01-04	SRAL_L1	synchronized	304.348923	193.0	48.956527
2024-01-04	SRAL_L2	synchronized	11.806114	463.0	48.535390
2024-01-04	SYN_L2	synchronized	5.539427	75.0	53.414056
2024-01-05	OLCI_L1	synchronized	10.462720	16.0	8.459243
2024-01-05	OLCI_L2	synchronized	1.545506	14.0	3.733615
2024-01-05	SLSTR_L1	synchronized	63.430407	169.0	17.762932
2024-01-05	SLSTR_L2	synchronized	15.195562	254.0	22.504882
2024-01-05	SRAL_L1	synchronized	139.264751	86.0	38.884322
2024-01-05	SRAL_L2	synchronized	5.370536	208.0	40.377275
2024-01-05	SYN_L2	synchronized	2.181625	29.0	38.600175
2024-01-06	OLCI_L1	synchronized	9.569565	15.0	6.263203
2024-01-06	OLCI_L2	synchronized	1.782288	16.0	10.302086
2024-01-06	SLSTR_L1	synchronized	64.042819	171.0	20.450588
2024-01-06	SLSTR_L2	synchronized	15.594921	260.0	23.291312
2024-01-06	SRAL_L1	synchronized	138.818202	84.0	39.363860
2024-01-06	SRAL_L2	synchronized	5.002965	191.0	40.409050
2024-01-06	SYN_L2	synchronized	2.530505	32.0	40.158481
2024-01-07	OLCI_L1	synchronized	9.246779	14.0	12.649722
2024-01-07	OLCI_L2	synchronized	1.554953	14.0	14.978790
2024-01-07	SLSTR_L1	synchronized	67.239858	179.0	7.837148
2024-01-07	SLSTR_L2	synchronized	15.974476	267.0	23.634605
2024-01-07	SRAL_L1	synchronized	136.857841	85.0	42.874842
2024-01-07	SRAL_L2	synchronized	5.241595	197.0	44.080146
2024-01-07	SYN_L2	synchronized	2.436196	30.0	42.596011
2024-01-08	OLCI_L1	synchronized	9.383741	13.0	5.769923
2024-01-08	OLCI_L2	synchronized	1.679697	15.0	5.935684
2024-01-08	SLSTR_L1	synchronized	55.207322	147.0	17.738776
2024-01-08	SLSTR_L2	synchronized	13.386108	224.0	22.172871
2024-01-08	SRAL_L1	synchronized	113.456346	66.0	41.834965
2024-01-08	SRAL_L2	synchronized	4.313239	159.0	43.247089
2024-01-08	SYN_L2	synchronized	2.591120	25.0	34.849375
2024-01-09	OLCI_L1	synchronized	14.339023	21.0	15.490348
2024-01-09	OLCI_L2	synchronized	2.181246	19.0	15.906287

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2024-01-09	SLSTR_L1	synchronized	69.933514	186.0	21.551629
2024-01-09	SLSTR_L2	synchronized	16.258095	272.0	31.475207
2024-01-09	SRAL_L1	synchronized	156.658416	96.0	50.667364
2024-01-09	SRAL_L2	synchronized	5.983346	233.0	49.692202
2024-01-09	SYN_L2	synchronized	2.916959	31.0	36.736372
2024-01-10	OLCI_L1	synchronized	10.759769	16.0	9.144611
2024-01-10	OLCI_L2	synchronized	1.634247	14.0	6.352201
2024-01-10	SLSTR_L1	synchronized	74.752041	200.0	7.765402
2024-01-10	SLSTR_L2	synchronized	17.856317	298.0	25.228844
2024-01-10	SRAL_L1	synchronized	153.624510	102.0	38.724580
2024-01-10	SRAL_L2	synchronized	6.083666	244.0	39.446450
2024-01-10	SYN_L2	synchronized	3.661787	39.0	42.952426
2024-01-11	OLCI_L1	synchronized	12.224561	18.0	4.031617
2024-01-11	OLCI_L2	synchronized	2.452177	21.0	13.093980
2024-01-11	SLSTR_L1	synchronized	65.668836	175.0	4.267879
2024-01-11	SLSTR_L2	synchronized	16.047519	269.0	21.232253
2024-01-11	SRAL_L1	synchronized	134.512694	84.0	39.794730
2024-01-11	SRAL_L2	synchronized	4.933253	191.0	40.658356
2024-01-11	SYN_L2	synchronized	2.926334	33.0	38.266844
2024-01-12	OLCI_L1	synchronized	13.154280	19.0	12.668341
2024-01-12	OLCI_L2	synchronized	2.190703	19.0	13.768150
2024-01-12	SLSTR_L1	synchronized	63.184299	168.0	4.620445
2024-01-12	SLSTR_L2	synchronized	14.876306	249.0	20.035114
2024-01-12	SRAL_L1	synchronized	145.354446	88.0	38.969670
2024-01-12	SRAL_L2	synchronized	5.644810	216.0	41.007222
2024-01-12	SYN_L2	synchronized	4.262195	39.0	41.643158
2024-01-13	OLCI_L1	synchronized	11.555071	17.0	5.822786
2024-01-13	OLCI_L2	synchronized	1.782192	16.0	4.947113
2024-01-13	SLSTR_L1	synchronized	58.080235	156.0	17.888995
2024-01-13	SLSTR_L2	synchronized	14.042275	237.0	22.654985
2024-01-13	SRAL_L1	synchronized	130.290697	77.0	39.141151
2024-01-13	SRAL_L2	synchronized	4.933785	184.0	40.385944
2024-01-13	SYN_L2	synchronized	4.126543	41.0	41.180521
2024-01-14	OLCI_L1	synchronized	10.106689	14.0	15.456314
2024-01-14	OLCI_L2	synchronized	1.857937	16.0	17.230472
2024-01-14	SLSTR_L1	synchronized	49.168671	132.0	27.750228
2024-01-14	SLSTR_L2	synchronized	12.380831	206.0	31.390912
2024-01-14	SRAL_L1	synchronized	95.848448	56.0	46.591392
2024-01-14	SRAL_L2	synchronized	3.592601	129.0	48.277029
2024-01-14	SYN_L2	synchronized	1.687112	13.0	46.983509
2024-01-15	OLCI_L1	synchronized	14.058068	20.0	11.987456
2024-01-15	OLCI_L2	synchronized	2.338947	20.0	11.945374
2024-01-15	SLSTR_L1	synchronized	72.222982	191.0	11.844453
2024-01-15	SLSTR_L2	synchronized	16.886372	282.0	24.886335
2024-01-15	SRAL_L1	synchronized	159.702287	97.0	45.722695
2024-01-15	SRAL_L2	synchronized	5.965424	235.0	45.461580
2024-01-15	SYN_L2	synchronized	4.450606	51.0	37.105432
2024-01-16	OLCI_L1	synchronized	16.443309	23.0	13.601942
2024-01-16	OLCI_L2	synchronized	2.244345	19.0	14.497017
2024-01-16	SLSTR_L1	synchronized	77.767531	206.0	6.149102
2024-01-16	SLSTR_L2	synchronized	18.085269	303.0	21.197730
2024-01-16	SRAL_L1	synchronized	160.178341	106.0	38.826769
2024-01-16	SRAL_L2	synchronized	6.321403	254.0	40.512473
2024-01-16	SYN_L2	synchronized	3.417058	39.0	42.841631
2024-01-17	OLCI_L1	synchronized	11.054964	15.0	5.837691
2024-01-17	OLCI_L2	synchronized	2.272322	19.0	9.688709

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2024-01-17	SLSTR_L1	synchronized	51.453451	136.0	20.158156
2024-01-17	SLSTR_L2	synchronized	12.574504	210.0	24.598522
2024-01-17	SRAL_L1	synchronized	112.598393	63.0	40.262674
2024-01-17	SRAL_L2	synchronized	4.022735	144.0	42.095484
2024-01-17	SYN_L2	synchronized	2.416267	27.0	41.229089
2024-01-18	OLCI_L1	synchronized	17.358401	24.0	12.751475
2024-01-18	OLCI_L2	synchronized	2.412904	20.0	8.673199
2024-01-18	SLSTR_L1	synchronized	81.865164	217.0	8.070943
2024-01-18	SLSTR_L2	synchronized	18.984450	317.0	21.920155
2024-01-18	SRAL_L1	synchronized	168.233776	109.0	39.207505
2024-01-18	SRAL_L2	synchronized	6.648635	265.0	40.094020
2024-01-18	SYN_L2	synchronized	5.070050	48.0	37.608457
2024-01-19	OLCI_L1	synchronized	13.091811	18.0	3.271786
2024-01-19	OLCI_L2	synchronized	2.429855	20.0	8.294683
2024-01-19	SLSTR_L1	synchronized	58.313305	154.0	16.324509
2024-01-19	SLSTR_L2	synchronized	14.432344	241.0	19.256921
2024-01-19	SRAL_L1	synchronized	124.294460	73.0	39.944327
2024-01-19	SRAL_L2	synchronized	4.791599	178.0	40.759858
2024-01-19	SYN_L2	synchronized	3.408548	34.0	37.533493
2024-01-20	OLCI_L1	synchronized	17.730277	24.0	12.668020
2024-01-20	OLCI_L2	synchronized	2.756051	22.0	14.515344
2024-01-20	SLSTR_L1	synchronized	71.778329	190.0	7.119197
2024-01-20	SLSTR_L2	synchronized	16.554554	278.0	21.250710
2024-01-20	SRAL_L1	synchronized	151.343508	97.0	40.705956
2024-01-20	SRAL_L2	synchronized	5.896412	231.0	41.700238
2024-01-20	SYN_L2	synchronized	3.449683	37.0	38.033817
2024-01-21	OLCI_L1	synchronized	15.027155	20.0	9.622555
2024-01-21	OLCI_L2	synchronized	2.479717	21.0	12.434152
2024-01-21	SLSTR_L1	synchronized	63.672430	168.0	17.978950
2024-01-21	SLSTR_L2	synchronized	15.221186	255.0	23.079289
2024-01-21	SRAL_L1	synchronized	137.236306	86.0	39.066796
2024-01-21	SRAL_L2	synchronized	4.937801	190.0	40.013607
2024-01-21	SYN_L2	synchronized	3.764306	40.0	38.866848
2024-01-22	OLCI_L1	synchronized	16.876354	22.0	5.451508
2024-01-22	OLCI_L2	synchronized	2.420731	20.0	3.992065
2024-01-22	SLSTR_L1	synchronized	65.533328	173.0	18.048458
2024-01-22	SLSTR_L2	synchronized	15.846296	264.0	22.582464
2024-01-22	SRAL_L1	synchronized	128.629479	78.0	39.441133
2024-01-22	SRAL_L2	synchronized	5.076245	193.0	40.891221
2024-01-22	SYN_L2	synchronized	5.295946	45.0	40.033459
2024-01-23	OLCI_L1	synchronized	15.266572	20.0	10.828729
2024-01-23	OLCI_L2	synchronized	2.877939	23.0	15.275754
2024-01-23	SLSTR_L1	synchronized	66.434462	175.0	8.604740
2024-01-23	SLSTR_L2	synchronized	15.591730	260.0	22.418967
2024-01-23	SRAL_L1	synchronized	137.753265	82.0	41.748412
2024-01-23	SRAL_L2	synchronized	5.263770	201.0	43.134583
2024-01-23	SYN_L2	synchronized	5.071455	42.0	42.325852
2024-01-24	OLCI_L1	synchronized	18.621511	24.0	12.568244
2024-01-24	OLCI_L2	synchronized	2.839685	22.0	14.148665
2024-01-24	SLSTR_L1	synchronized	69.291823	183.0	5.005973
2024-01-24	SLSTR_L2	synchronized	16.436977	275.0	21.453830
2024-01-24	SRAL_L1	synchronized	148.167423	95.0	38.750679
2024-01-24	SRAL_L2	synchronized	5.947637	230.0	40.231640
2024-01-24	SYN_L2	synchronized	3.396750	37.0	38.583551
2024-01-25	OLCI_L1	synchronized	16.620870	21.0	6.906166
2024-01-25	OLCI_L2	synchronized	2.630011	22.0	6.963536

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2024-01-25	SLSTR_L1	synchronized	60.517978	159.0	17.907558
2024-01-25	SLSTR_L2	synchronized	14.751324	247.0	24.257635
2024-01-25	SRAL_L1	synchronized	129.909465	82.0	38.754188
2024-01-25	SRAL_L2	synchronized	4.966672	191.0	39.952042
2024-01-25	SYN_L2	synchronized	3.433412	39.0	34.201053
2024-01-26	OLCI_L1	synchronized	17.864153	26.0	7.568460
2024-01-26	OLCI_L2	synchronized	2.928955	27.0	12.543021
2024-01-26	SLSTR_L1	synchronized	62.434014	166.0	18.653785
2024-01-26	SLSTR_L2	synchronized	15.560585	261.0	22.226875
2024-01-26	SRAL_L1	synchronized	133.715040	80.0	40.711853
2024-01-26	SRAL_L2	synchronized	4.874346	182.0	42.060078
2024-01-26	SYN_L2	synchronized	3.456892	35.0	29.722008
2024-01-27	OLCI_L1	synchronized	9.724093	12.0	6.164512
2024-01-27	OLCI_L2	synchronized	1.455940	12.0	6.371638
2024-01-27	SLSTR_L1	synchronized	47.175817	125.0	7.384110
2024-01-27	SLSTR_L2	synchronized	11.270353	189.0	20.798070
2024-01-27	SRAL_L1	synchronized	110.346308	63.0	40.984229
2024-01-27	SRAL_L2	synchronized	4.018910	146.0	41.760356
2024-01-27	SYN_L2	synchronized	3.514748	35.0	25.042903
2024-01-28	OLCI_L1	synchronized	23.699015	29.0	12.019601
2024-01-28	OLCI_L2	synchronized	3.595822	28.0	8.068496
2024-01-28	SLSTR_L1	synchronized	70.644204	186.0	8.434477
2024-01-28	SLSTR_L2	synchronized	16.484762	275.0	23.050403
2024-01-28	SRAL_L1	synchronized	145.811651	99.0	39.671555
2024-01-28	SRAL_L2	synchronized	5.798220	233.0	39.729296
2024-01-28	SYN_L2	synchronized	3.762374	42.0	30.255459
2024-01-29	OLCI_L1	synchronized	19.110262	31.0	11.755941
2024-01-29	OLCI_L2	synchronized	3.296152	32.0	3.489627
2024-01-29	SLSTR_L1	synchronized	59.063994	155.0	17.253225
2024-01-29	SLSTR_L2	synchronized	14.483966	242.0	22.595136
2024-01-29	SRAL_L1	synchronized	132.371012	82.0	38.808050
2024-01-29	SRAL_L2	synchronized	5.152261	199.0	40.028575
2024-01-29	SYN_L2	synchronized	4.260485	46.0	28.626752
2024-01-30	OLCI_L1	synchronized	21.511021	37.0	6.960819
2024-01-30	OLCI_L2	synchronized	3.458432	39.0	6.994044
2024-01-30	SLSTR_L1	synchronized	65.611930	172.0	18.031213
2024-01-30	SLSTR_L2	synchronized	15.494538	258.0	22.440047
2024-01-30	SRAL_L1	synchronized	135.815792	81.0	42.119185
2024-01-30	SRAL_L2	synchronized	4.880854	182.0	43.526236
2024-01-30	SYN_L2	synchronized	5.621052	54.0	26.297474
2024-01-31	OLCI_L1	synchronized	22.892298	41.0	11.700285
2024-01-31	OLCI_L2	synchronized	3.718631	40.0	13.026866
2024-01-31	SLSTR_L1	synchronized	72.409938	190.0	5.952960
2024-01-31	SLSTR_L2	synchronized	17.004571	284.0	22.050194
2024-01-31	SRAL_L1	synchronized	142.745264	91.0	39.797900
2024-01-31	SRAL_L2	synchronized	5.827419	227.0	40.600960
2024-01-31	SYN_L2	synchronized	6.009595	60.0	30.168410
2024-01-01	NRTI_L2	synchronized	1.990145	99.0	1.959586
2024-01-01	OFFL_L1B	synchronized	109.487083	40.0	4.122591
2024-01-01	OFFL_L2	synchronized	30.158281	82.0	39.522278
2024-01-02	NRTI_L2	synchronized	2.382526	117.0	1.859522
2024-01-02	OFFL_L1B	synchronized	131.424232	48.0	3.835355
2024-01-02	OFFL_L2	synchronized	27.717716	77.0	39.576457
2024-01-03	NRTI_L2	synchronized	2.186555	99.0	1.793140
2024-01-03	OFFL_L1B	synchronized	129.035218	48.0	3.941641
2024-01-03	OFFL_L2	synchronized	28.457447	77.0	39.459926

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2024-01-04	NRTI_L2	synchronized	2.194557	116.0	1.859542
2024-01-04	OFFL_L1B	synchronized	150.926495	56.0	3.813223
2024-01-04	OFFL_L2	synchronized	29.847632	82.0	39.368160
2024-01-05	NRTI_L2	synchronized	2.254931	117.0	1.926238
2024-01-05	OFFL_L1B	synchronized	150.871267	56.0	3.771824
2024-01-05	OFFL_L2	synchronized	28.108887	76.0	39.437803
2024-01-06	NRTI_L2	synchronized	2.785961	133.0	1.892861
2024-01-06	OFFL_L1B	synchronized	150.875394	56.0	3.740834
2024-01-06	OFFL_L2	synchronized	31.351298	88.0	39.447253
2024-01-07	NRTI_L2	synchronized	2.479088	117.0	1.892812
2024-01-07	OFFL_L1B	synchronized	131.467588	48.0	3.805201
2024-01-07	OFFL_L2	synchronized	31.437912	89.0	39.059781
2024-01-08	NRTI_L2	synchronized	2.353208	126.0	1.876202
2024-01-08	OFFL_L1B	synchronized	153.322962	56.0	3.846208
2024-01-08	OFFL_L2	synchronized	35.361793	100.0	40.025783
2024-01-09	NRTI_L2	synchronized	2.356967	132.0	1.926272
2024-01-09	OFFL_L1B	synchronized	171.275571	62.0	3.769290
2024-01-09	OFFL_L2	synchronized	28.517358	78.0	39.363532
2024-01-10	NRTI_L2	synchronized	2.909275	144.0	1.893119
2024-01-10	OFFL_L1B	synchronized	153.376821	56.0	4.071200
2024-01-10	OFFL_L2	synchronized	32.716659	90.0	39.365437
2024-01-11	NRTI_L2	synchronized	2.767685	124.0	1.926208
2024-01-11	OFFL_L1B	synchronized	131.382529	48.0	3.919402
2024-01-11	OFFL_L2	synchronized	34.882766	93.0	39.667671
2024-01-12	NRTI_L2	synchronized	2.252068	128.0	1.876187
2024-01-12	OFFL_L1B	synchronized	153.273737	56.0	3.856061
2024-01-12	OFFL_L2	synchronized	31.087459	85.0	39.908883
2024-01-13	NRTI_L2	synchronized	2.262720	126.0	1.876269
2024-01-13	OFFL_L1B	synchronized	153.291137	56.0	4.018314
2024-01-13	OFFL_L2	synchronized	31.217921	85.0	39.483716
2024-01-14	NRTI_L2	synchronized	2.830668	143.0	1.876524
2024-01-14	OFFL_L1B	synchronized	166.968043	60.0	3.733395
2024-01-14	OFFL_L2	synchronized	34.894732	97.0	39.299898
2024-01-15	NRTI_L2	synchronized	3.115561	153.0	1.902336
2024-01-15	OFFL_L1B	synchronized	175.212041	64.0	4.010237
2024-01-15	OFFL_L2	synchronized	32.929586	92.0	39.591134
2024-01-16	NRTI_L2	synchronized	2.325465	126.0	1.935703
2024-01-16	OFFL_L1B	synchronized	153.270208	56.0	3.893277
2024-01-16	OFFL_L2	synchronized	37.340180	99.0	39.516102
2024-01-17	NRTI_L2	synchronized	2.849369	135.0	1.885795
2024-01-17	OFFL_L1B	synchronized	153.211959	56.0	4.010013
2024-01-17	OFFL_L2	synchronized	35.579971	96.0	39.773353
2024-01-01	NRTI_L2	synchronized	1.990145	99.0	1.959586
2024-01-01	OFFL_L1B	synchronized	109.487083	40.0	4.122591
2024-01-01	OFFL_L2	synchronized	30.158281	82.0	39.522278
2024-01-02	NRTI_L2	synchronized	2.382526	117.0	1.859522
2024-01-02	OFFL_L1B	synchronized	131.424232	48.0	3.835355
2024-01-02	OFFL_L2	synchronized	27.717716	77.0	39.576457
2024-01-03	NRTI_L2	synchronized	2.186555	99.0	1.793140
2024-01-03	OFFL_L1B	synchronized	129.035218	48.0	3.941641
2024-01-03	OFFL_L2	synchronized	28.457447	77.0	39.459926
2024-01-04	NRTI_L2	synchronized	2.194557	116.0	1.859542
2024-01-04	OFFL_L1B	synchronized	150.926495	56.0	3.813223
2024-01-04	OFFL_L2	synchronized	29.847632	82.0	39.368160
2024-01-05	NRTI_L2	synchronized	2.254931	117.0	1.926238
2024-01-05	OFFL_L1B	synchronized	150.871267	56.0	3.771824

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2024-01-05	OFFL_L2	synchronized	28.108887	76.0	39.437803
2024-01-06	NRTI_L2	synchronized	2.785961	133.0	1.892861
2024-01-06	OFFL_L1B	synchronized	150.875394	56.0	3.740834
2024-01-06	OFFL_L2	synchronized	31.351298	88.0	39.447253
2024-01-07	NRTI_L2	synchronized	2.479088	117.0	1.892812
2024-01-07	OFFL_L1B	synchronized	131.467588	48.0	3.805201
2024-01-07	OFFL_L2	synchronized	31.437912	89.0	39.059781
2024-01-08	NRTI_L2	synchronized	2.353208	126.0	1.876202
2024-01-08	OFFL_L1B	synchronized	153.322962	56.0	3.846208
2024-01-08	OFFL_L2	synchronized	35.361793	100.0	40.025783
2024-01-09	NRTI_L2	synchronized	2.356967	132.0	1.926272
2024-01-09	OFFL_L1B	synchronized	171.275571	62.0	3.769290
2024-01-09	OFFL_L2	synchronized	28.517358	78.0	39.363532
2024-01-10	NRTI_L2	synchronized	2.909275	144.0	1.893119
2024-01-10	OFFL_L1B	synchronized	153.376821	56.0	4.071200
2024-01-10	OFFL_L2	synchronized	32.716659	90.0	39.365437
2024-01-11	NRTI_L2	synchronized	2.767685	124.0	1.926208
2024-01-11	OFFL_L1B	synchronized	131.382529	48.0	3.919402
2024-01-11	OFFL_L2	synchronized	34.882766	93.0	39.667671
2024-01-12	NRTI_L2	synchronized	2.252068	128.0	1.876187
2024-01-12	OFFL_L1B	synchronized	153.273737	56.0	3.856061
2024-01-12	OFFL_L2	synchronized	31.087459	85.0	39.908883
2024-01-13	NRTI_L2	synchronized	2.262720	126.0	1.876269
2024-01-13	OFFL_L1B	synchronized	153.291137	56.0	4.018314
2024-01-13	OFFL_L2	synchronized	31.217921	85.0	39.483716
2024-01-14	NRTI_L2	synchronized	2.830668	143.0	1.876524
2024-01-14	OFFL_L1B	synchronized	166.968043	60.0	3.733395
2024-01-14	OFFL_L2	synchronized	34.894732	97.0	39.299898
2024-01-15	NRTI_L2	synchronized	3.115561	153.0	1.902336
2024-01-15	OFFL_L1B	synchronized	175.212041	64.0	4.010237
2024-01-15	OFFL_L2	synchronized	32.929586	92.0	39.591134
2024-01-16	NRTI_L2	synchronized	2.325465	126.0	1.935703
2024-01-16	OFFL_L1B	synchronized	153.270208	56.0	3.893277
2024-01-16	OFFL_L2	synchronized	37.340180	99.0	39.516102
2024-01-17	NRTI_L2	synchronized	2.849369	135.0	1.885795
2024-01-17	OFFL_L1B	synchronized	153.211959	56.0	4.010013
2024-01-17	OFFL_L2	synchronized	35.579971	96.0	39.773353
2024-01-18	NRTI_L2	synchronized	3.237277	135.0	1.852288
2024-01-18	OFFL_L1B	synchronized	131.329373	48.0	4.001350
2024-01-18	OFFL_L2	synchronized	32.321470	90.0	41.814905
2024-01-19	NRTI_L2	synchronized	3.020304	133.0	1.869042
2024-01-19	OFFL_L1B	synchronized	149.367188	54.0	4.086918
2024-01-19	OFFL_L2	synchronized	32.162770	88.0	39.760196
2024-01-20	NRTI_L2	synchronized	2.480088	126.0	1.919036
2024-01-20	OFFL_L1B	synchronized	153.278768	56.0	3.866564
2024-01-20	OFFL_L2	synchronized	28.167285	76.0	40.018056
2024-01-21	NRTI_L2	synchronized	2.661397	133.0	1.985626
2024-01-21	OFFL_L1B	synchronized	152.753779	56.0	4.498267
2024-01-21	OFFL_L2	synchronized	30.533927	83.0	40.222147
2024-01-22	NRTI_L2	synchronized	3.078567	135.0	2.002419
2024-01-22	OFFL_L1B	synchronized	170.239570	64.0	4.055606
2024-01-22	OFFL_L2	synchronized	39.720944	107.0	41.137373
2024-01-23	NRTI_L2	synchronized	3.530266	162.0	1.913528
2024-01-23	OFFL_L1B	synchronized	172.710708	64.0	3.815971
2024-01-23	OFFL_L2	synchronized	34.622789	97.0	39.504324
2024-01-24	NRTI_L2	synchronized	3.076914	144.0	1.846829

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2024-01-24	OFFL_L1B	synchronized	172.755657	64.0	3.956655
2024-01-24	OFFL_L2	synchronized	37.958815	108.0	39.491192
2024-01-25	NRTI_L2	synchronized	2.153307	108.0	1.896728
2024-01-25	OFFL_L1B	synchronized	131.394726	48.0	4.139335
2024-01-25	OFFL_L2	synchronized	34.960239	95.0	40.085459
2024-01-26	NRTI_L2	synchronized	3.034310	135.0	1.821840
2024-01-26	OFFL_L1B	synchronized	189.677597	69.0	4.346758
2024-01-26	OFFL_L2	synchronized	37.242807	104.0	39.586214
2024-01-27	NRTI_L2	synchronized	2.631859	144.0	1.905121
2024-01-27	OFFL_L1B	synchronized	175.325830	64.0	6.398802
2024-01-27	OFFL_L2	synchronized	24.404366	68.0	47.347394
2024-01-28	NRTI_L2	synchronized	3.242491	162.0	1.938515
2024-01-28	OFFL_L1B	synchronized	197.272838	72.0	3.903554
2024-01-28	OFFL_L2	synchronized	37.774538	96.0	47.705380
2024-01-29	NRTI_L2	synchronized	3.894053	180.0	1.871894
2024-01-29	OFFL_L1B	synchronized	197.239641	72.0	4.145272
2024-01-29	OFFL_L2	synchronized	38.828675	115.0	44.742259
2024-01-30	NRTI_L2	synchronized	3.782725	171.0	1.855197
2024-01-30	OFFL_L1B	synchronized	21.976238	8.0	4.036786
2024-01-30	OFFL_L2	synchronized	20.391505	53.0	39.575174
2024-01-31	NRTI_L2	synchronized	3.007337	153.0	1.888411
2024-01-31	OFFL_L1B	synchronized	372.594168	136.0	15.852462
2024-01-31	OFFL_L2	synchronized	21.471618	51.0	73.808476
2024-01-01	s2_l2a	NaN	57.791939	0.0	NaN
2024-01-01	s1_iw	NaN	48.348530	36.0	NaN
2024-01-01	s1_ew	NaN	16.768375	9.0	NaN
2024-01-01	s2_l1c	NaN	13.824310	27.0	NaN
2024-01-02	s2_l1c	NaN	13.391026	20.0	NaN
2024-01-02	s2_l2a	NaN	6.081627	8.0	NaN
2024-01-02	s1_iw	NaN	27.562725	15.0	NaN
2024-01-02	s1_ew	NaN	23.190868	14.0	NaN
2024-01-03	s2_l2a	NaN	58.555340	0.0	NaN
2024-01-03	s2_l1c	NaN	2.942436	8.0	NaN
2024-01-03	s1_iw	NaN	55.497063	40.0	NaN
2024-01-03	s1_ew	NaN	11.342556	7.0	NaN
2024-01-04	s1_iw	NaN	58.535751	35.0	NaN
2024-01-04	s1_ew	NaN	10.817368	6.0	NaN
2024-01-04	s2_l1c	NaN	8.675068	20.0	NaN
2024-01-04	s2_l2a	NaN	0.325657	2.0	NaN
2024-01-05	s1_ew	NaN	19.653378	10.0	NaN
2024-01-05	s1_iw	NaN	32.781384	20.0	NaN
2024-01-05	s2_l1c	NaN	16.231976	26.0	NaN
2024-01-05	s2_l2a	NaN	7.122559	8.0	NaN
2024-01-06	s2_l2a	NaN	59.702168	0.0	NaN
2024-01-06	s2_l1c	NaN	3.170361	6.0	NaN
2024-01-06	s1_iw	NaN	64.606514	38.0	NaN
2024-01-06	s1_ew	NaN	14.615463	5.0	NaN
2024-01-07	s1_iw	NaN	23.082619	16.0	NaN
2024-01-07	s1_ew	NaN	20.757191	9.0	NaN
2024-01-07	s2_l1c	NaN	4.881813	14.0	NaN
2024-01-07	s2_l2a	NaN	2.033073	6.0	NaN
2024-01-08	s2_l1c	NaN	17.448338	28.0	NaN
2024-01-08	s2_l2a	NaN	1.780045	4.0	NaN
2024-01-08	s1_ew	NaN	15.658463	9.0	NaN
2024-01-08	s1_iw	NaN	51.920521	40.0	NaN
2024-01-09	s1_iw	NaN	47.612381	26.0	NaN

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2024-01-09	s1_ew	NaN	9.769073	4.0	NaN
2024-01-09	s2_l1c	NaN	11.213669	22.0	NaN
2024-01-09	s2_l2a	NaN	1.867821	3.0	NaN
2024-01-10	s2_l2a	NaN	2.318775	4.0	NaN
2024-01-10	s1_iw	NaN	40.949276	24.0	NaN
2024-01-10	s1_ew	NaN	9.221596	3.0	NaN
2024-01-10	s2_l1c	NaN	5.324127	16.0	NaN
2024-01-11	s2_l2a	NaN	61.937733	0.0	NaN
2024-01-11	s2_l1c	NaN	18.725246	28.0	NaN
2024-01-11	s1_iw	NaN	73.494209	41.0	NaN
2024-01-11	s1_ew	NaN	9.813274	4.0	NaN
2024-01-12	s2_l2a	NaN	5.769985	8.0	NaN
2024-01-12	s1_iw	NaN	24.754143	17.0	NaN
2024-01-12	s1_ew	NaN	28.439934	13.0	NaN
2024-01-12	s2_l1c	NaN	17.760521	27.0	NaN
2024-01-13	s2_l1c	NaN	9.078228	22.0	NaN
2024-01-13	s2_l2a	NaN	0.980137	2.0	NaN
2024-01-13	s1_iw	NaN	55.609650	37.0	NaN
2024-01-13	s1_ew	NaN	18.721748	8.0	NaN
2024-01-14	s2_l2a	NaN	1.369320	3.0	NaN
2024-01-14	s2_l1c	NaN	16.799328	30.0	NaN
2024-01-14	s1_iw	NaN	36.334915	17.0	NaN
2024-01-14	s1_ew	NaN	13.968990	7.0	NaN
2024-01-15	s1_iw	NaN	59.402447	40.0	NaN
2024-01-15	s1_ew	NaN	10.734943	6.0	NaN
2024-01-15	s2_l1c	NaN	63.474480	0.0	NaN
2024-01-15	s2_l2a	NaN	63.474480	0.0	NaN
2024-01-16	s2_l2a	NaN	63.859364	0.0	NaN
2024-01-16	s1_iw	NaN	59.119251	15.0	NaN
2024-01-16	s1_ew	NaN	11.616928	4.0	NaN
2024-01-16	s2_l1c	NaN	8.623730	20.0	NaN
2024-01-17	s1_iw	NaN	32.120922	7.0	NaN
2024-01-17	s1_ew	NaN	19.158394	6.0	NaN
2024-01-17	s2_l1c	NaN	13.589478	29.0	NaN
2024-01-17	s2_l2a	NaN	4.981979	10.0	NaN
2024-01-18	s1_ew	NaN	15.021423	5.0	NaN
2024-01-18	s2_l1c	NaN	23.576126	41.0	NaN
2024-01-18	s1_iw	NaN	57.974304	13.0	NaN
2024-01-18	s2_l2a	NaN	1.693871	4.0	NaN
2024-01-19	s2_l2a	NaN	1.789959	3.0	NaN
2024-01-19	s2_l1c	NaN	16.546909	32.0	NaN
2024-01-19	s1_ew	NaN	15.117378	5.0	NaN
2024-01-19	s1_iw	NaN	26.253338	7.0	NaN
2024-01-20	s1_iw	NaN	59.749798	16.0	NaN
2024-01-20	s1_ew	NaN	15.159542	5.0	NaN
2024-01-20	s2_l1c	NaN	12.197727	29.0	NaN
2024-01-20	s2_l2a	NaN	5.527992	9.0	NaN
2024-01-21	s1_iw	NaN	42.256454	11.0	NaN
2024-01-21	s1_ew	NaN	9.685440	4.0	NaN
2024-01-21	s2_l1c	NaN	24.630489	40.0	NaN
2024-01-21	s2_l2a	NaN	65.786976	0.0	NaN
2024-01-22	s2_l2a	NaN	6.298653	8.0	NaN
2024-01-22	s2_l1c	NaN	24.213787	34.0	NaN
2024-01-22	s1_iw	NaN	43.933475	10.0	NaN
2024-01-22	s1_ew	NaN	9.186798	3.0	NaN
2024-01-23	s1_iw	NaN	62.464638	15.0	NaN

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2024-01-23	s1_ew	NaN	12.426666	5.0	NaN
2024-01-23	s2_l1c	NaN	16.343704	35.0	NaN
2024-01-23	s2_l2a	NaN	1.823200	4.0	NaN
2024-01-24	s1_iw	NaN	7.592022	2.0	NaN
2024-01-24	s1_ew	NaN	15.963608	5.0	NaN
2024-01-24	s2_l1c	NaN	8.733208	16.0	NaN
2024-01-24	s2_l2a	NaN	1.573673	3.0	NaN
2024-01-25	s2_l2a	NaN	4.157326	5.0	NaN
2024-01-25	s2_l1c	NaN	29.943935	47.0	NaN
2024-01-25	s1_iw	NaN	67.332027	0.0	NaN
2024-01-25	s1_ew	NaN	67.332027	0.0	NaN
2024-01-26	s1_iw	NaN	67.718563	0.0	NaN
2024-01-26	s1_ew	NaN	67.718563	0.0	NaN
2024-01-26	s2_l1c	NaN	17.505680	32.0	NaN
2024-01-26	s2_l2a	NaN	67.718563	0.0	NaN
2024-01-27	s2_l2a	NaN	7.303913	10.0	NaN
2024-01-27	s1_iw	NaN	68.105968	0.0	NaN
2024-01-27	s1_ew	NaN	68.105968	0.0	NaN
2024-01-27	s2_l1c	NaN	25.296192	41.0	NaN
2024-01-28	s2_l2a	NaN	1.361961	4.0	NaN
2024-01-28	s2_l1c	NaN	68.492847	0.0	NaN
2024-01-28	s1_iw	NaN	68.484787	0.0	NaN
2024-01-28	s1_ew	NaN	68.492847	0.0	NaN
2024-01-29	s2_l1c	NaN	27.933067	52.0	NaN
2024-01-29	s1_iw	NaN	65.648243	0.0	NaN
2024-01-29	s1_ew	NaN	65.648243	0.0	NaN
2024-01-29	s2_l2a	NaN	1.668671	3.0	NaN
2024-01-30	s2_l2a	NaN	4.751938	9.0	NaN
2024-01-30	s2_l1c	NaN	10.913239	20.0	NaN
2024-01-30	s1_iw	NaN	66.035641	0.0	NaN
2024-01-30	s1_ew	NaN	66.035641	0.0	NaN
2024-01-31	s1_iw	NaN	66.422817	0.0	NaN
2024-01-31	s1_ew	NaN	66.422817	0.0	NaN
2024-01-31	s2_l1c	NaN	31.763905	51.0	NaN
2024-01-31	s2_l2a	NaN	66.422817	0.0	NaN

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