System Specification Appendix D Paragraph	Sensor	NPOESS EDRs: Interface Volume	NPP 2230	1730	1330	2130	SSS HCS in km at nadir	SSS HCS in km at Edge	Cell Size (km)	Cells Per Orbit (Sensor Orbital Swath Area divided by the Square Cell Size)	Max Cells Per Granule	Layers per Cell	Data Size (bytes)	Quality Flags (bytes)	Geo Location (bytes)	Reduction Factors: Day / Night	Reduction Factors: Land / Ocean	Reduction Factors: Polar / Temperate	Reduction Factors: Clear / Cloudy	Reduction Except Day/Night	Max Granule Size (MB)
		NPOESS EDR data products.	CrIS VIIRS ATMS OMPS CERES	VIIRS CMIS SS SRSAT ADCS ALT TSIS	VIIRS CMIS CrIS ATMS SESS GPSOS SS SRSAT ADCS ERBS OMPS	VIIRS CMIS CrIS ATMS SS SRSAT APS															
		Key EDRs																			
40.2.1	CrIMSS	Atmospheric Vertical Moisture Profile	1		1	1	14.00		14	460045	270	24	4	4	8	1			0.6	0.6	0.02916
	CMIS	Atmospheric Vertical Moisture Profile		1	1	1	15.00		15	311694	270	24	4	4	8	1			0.6	0.6	0.02916
	CrIMSS	Atmospheric Vertical Moisture Profile + CMIS			1	1	14.00		14	460045	270	24	4	4	8	1			0.6	0.6	0.02916
40.2.2	CrIS	Atmospheric Vertical Temperature Profile to 0.5 mb (clear)	1		1	1	14.00	50.00	14	511774	270	36	4	4	9	1			0.6	0.6	0.04239
	CrIS	Atmospheric Vertical Temperature Profile < 0.5 mb (clear)	1		1	1	200.00		40	62692	82	13	4	4	8	1			0.6	0.6	0.005270685
	CMIS	Atmospheric Vertical Temperature Profile < 0.5 mb		1	1	1	40.00	200.00	40	43832	216	13	4	4	9	1			0.6	0.6	0.014034887
40.2.3	VIIRS	Imagery NCC	1	1	1	1	0.74		0.74	73183	1040384	1	4	1	8	1			1	1	13.524992
	VIIRS	DNB	1	1	1	1	0.74		0.75	71244	1040384	1	8	1	8	1			1	1	17.686528
	VIIRS	I1 (daytime visible)	1	1	1	1	0.40	0.80	0.47	181417	3276800	1	2	1	8	0.5			1	1	36.0448
	VIIRS	I2 (imagery application enhancement)	1	1	1	1	0.40	0.80	0.47	181417	3276800	1	2	1	8	0.5			1	1	36.0448
	VIIRS	I3 (imagery application enhancement)	1	1	1	1	0.40	0.80	0.47	181417	3276800	1	2	1	8	0.5			1	1	36.0448
	VIIRS	I4 (MWIR)	1	1	1	1	0.40	0.80	0.47	181417	3276800	1	4	1	8	1			1	1	42.5984
	VIIRS	I5 (LWIR)	1	1	1	1	0.40	0.80	0.47	181417	3276800	1	4	1	8	1			1	1	42.5984
	VIIRS	Cloud Mask	1	1	1	1	0.40	0.80	0.47	181417	819200	1	6	0	8	1			1	1	11.4688
	CMIS	183V (ABC)		1	1	1	15.00		15	311694	1535	3	2	1	24	1			1	1	0.047598659
	CMIS	60V FFT, 36 -, 18 -		1	1	1	20.00		20	175328	864	3	2	1	24	1			1	1	0.026774246
	CMIS	18 +, 36 +		1	1	1	25.00		25	112210	553	2	2	1	24	1			1	1	0.01603
	CMIS	10 R, 10 L, 18 R, 18 L, 60V L		1	1	1	40.00		40	43832	216	5	2	1	40	1			1	1	0.011011988
	CMIS	(6, 10< 18, 23, 36, 89) V&H , 60V V		1	1	1	50.00		50	28053	138	14	2	1	8	1			1	1	0.005113017
40.2.4	VIIRS_CMIS	Sea Surface Temperature	1	1	1	1	0.75	1.30	0.85	169174740	819200	1	8	2	11	1	0.68		0.5	0.34	17.2032
	CMIS	Sea Surface Temperature		1	1	1	50.00		50	28053	138	1	4	4	11	1	0.68		0.5	0.34	0.002625603
40.2.5	CMIS	Sea Surface Winds (Speed)		1	1	1	20.00		20	175328	864	1	8	4	8	1	0.68		1	0.68	0.017273707
	CMIS	Sea Surface Winds (Direction)		1	1	1	44.37		44	36225	178	1	8	4	8	1	0.68		1	0.68	0.003568948
40.2.6	VIIRS	Soil Moisture		1	1	1	0.75	1.60	0.85	55467	819200	1	1	6	11	0.5	0.32		0.5	0.16	14.7456
	CMIS	Soil Moisture		1	1	1	40.00	40.00	40	43832	216	1	4	4	9		1			1	0.003670663
		Atmospheric EDRs																			
40.3.1.1	VIIRS	Aerosol Optical Thickness (Land)	1	1	1	1	9.60		9.6	435	22833	4	4	10	11	0.5	0.32		0.5	0.16	0.844821
	VIIRS	Aerosol Optical Thickness (Ocean)	1	1	1	1	1.60		1.6	15654	815616	5	4	10	11	0.5	0.68		0.5	0.34	33.440256
40.3.1.2	VIIRS	Aerosol Particle Size Parameter (Land)	1	1	1	1	9.60		9.6	435	22833	1	4	10	11	0.5	0.32		0.5	0.16	0.570825
40.3.1.2	VIIRS	Aerosol Particle Size Parameter (Ocean)	1	1	1	1	1.60		1.6	15654	815616	1	8	10	11	0.5	0.68		0.5	0.34	23.652864
40.3.1.3	VIIRS	Suspended Matter	1	1	1	1	1.60		1.6	15654	815616	1	5	10	11	0.5			0.5	0.5	21.206016
40.3.1.4	APS	Aerosol Refractive Index, Single - Scattering Albedo & Shape				1	no value		10	4008	20	1	4	4	11	1			0.5	0.5	0.000375086
40.3.2	OMPS	Ozone Total Column/Profile (column)			1		50.00		50	802	4	1	4	4	8	1			1	1	6.31724E-05
40.3.2	OMPS	Ozone Total Column/Profile (profile)			1		250.00		250	32	0	14	4	4	8	1			1	1	1.07393E-05
40.3.3	CMIS	Precipitable Water		1	1	1	25.00		25	112210	553	1	4	4	8	1			1	1	0.008844138
40.3.4	CMIS	Precipitation (Type/ Rate)		1	1	1	15.00		15	311694	1535	2	4	4	8	1			1	1	0.030708812
40.3.5	CMIS	Pressure Profile	1	1	1	1	25.00		25	112210	553	30	4	4	8	1			1	1	0.072964138
40.3.6	CMIS	Total Water Content		1	1	1	20.00		20	175328	864	7	4	4	8	1			1	1	0.034547414
		Cloud EDRs																			
40.4.1	VIIRS	Cloud Base Height	1	1	1	1	6.00	10.00	8	626	22919	1	20	1	8	1			1	1	0.664651
40.4.2	VIIRS	Cloud Cover/Layers	1	1	1	1	6.00	25.00	10	401	6118	1	24	1	8	1			1	1	0.201894
40.4.3	VIIRS	Cloud Effective Particle Size	1	1	1	1	5.00	25.00	10	401	22919	1	20	1	8	1			1	1	0.664651
40.4.4	CMIS	Cloud Ice Water Path		1	1	1	50.00		50	28053	138	1	4	4	8	1			1	1	0.002211034
40.4.5	CMIS	Cloud Liquid Water		1	1	1	20.00		20	175328	864	1	4	4	8	1			1	1	0.013818966
40.4.6	VIIRS	Cloud Optical Thickness	1	1	1	1	5.00	25.00	10	401	22919	1	20	1	8	1			1	1	0.664651
40.4.7	VIIRS	Cloud Top Height	1	1	1	1	5.00	25.00	10	401	22919	1	20	1	8	1			1	1	0.664651
40.4.8	VIIRS	Cloud Top Pressure	1	1	1	1	5.00	12.50	7	818	22919	1	20	1	8	1			1	1	0.664651
40.4.9	VIIRS	Cloud Top Temperature	1	1	1	1	5.00	25.00	10	401	22919	1	20	1	8	1			1	1	0.664651
40.4.10	APS	Cloud Particle Size Distribution				1	no value		15	1781	9	4	20	4	8	1			1	1	0.000807203
		Earth Radiation Budget EDRs																			
40.5.1	ERBS	Net Solar Radiation (TOA)			1		25.00		25	112210	553	1	2	4	8	0.5			1	1	0.007738621

		Orbital and Daily data volumes calculated with net reduction factors applied						Orbital and Daily data volumes calculated without net reduction factors applied							
Orbital Data Volume For Single Sensor in MB Without Reduction Factors	Orbital Data Volume For Single Sensor in MB with Reduction Factor (excluding day/night)	NPP MB per Orbit	NPOESS 1730 MB per Orbit	NPOESS 1330 MB per Orbit	NPOESS 2130 MB per Orbit	NPP Daily Total (MB)	NPOESS Daily Total (MB)	NPP MB per Orbit	NPOESS 1730 MB per Orbit	NPOESS 1330 MB per Orbit	NPOESS 2130 MB per Orbit	NPP Daily Total (MB)	NPOESS Daily Total (MB)	NPOESS 15 minute totals in MB with reduction factors	NPOESS 15 minute totals in MB without reduction factors
22.19805	29.81089286	29.81	0.00	29.81	29.81	422.93	845.87	22.20	0.00	22.20	22.20	314.93	629.86	8.81110134	6.561
5.91948	20.1978	0.00	20.20	20.20	20.20	0.00	859.65	0.00	5.92	5.92	5.92	0.00	251.94	8.95468966	2.6244
22.19805	29.81089286	0.00	0.00	29.81	29.81	0.00	845.87	0.00	0.00	22.20	22.20	0.00	629.86	8.81110134	6.561
32.2693875	48.20912089	48.21	0.00	48.21	48.21	683.95	1367.90	32.27	0.00	32.27	32.27	457.81	915.62	14.2490012	9.53775
4.012309	2.4073854	2.41	0.00	2.41	2.41	34.15	68.31	4.01	0.00	4.01	4.01	56.92	113.85	0.71154248	1.18590414
2.849082031	1.709449219	0.00	1.71	1.71	1.71	0.00	72.76	0.00	2.85	2.85	2.85	0.00	121.26	0.75788389	1.26313982
2881.987449	2881.987449	2881.99	2881.99	2881.99	2881.99	40887.31	122661.93	2881.99	2881.99	2881.99	2881.99	40887.31	122661.93	1277.72843	1277.72843
3768.752817	3768.752817	3768.75	3768.75	3768.75	3768.75	53468.02	160404.06	3768.75	3768.75	3768.75	3768.75	53468.02	160404.06	1670.87563	1670.87563
7680.644927	7680.644927	3840.32	7680.64	3840.32	3840.32	54483.39	217933.57	3840.32	7680.64	3840.32	3840.32	54483.39	217933.57	2270.14136	2270.14136
7680.644927	7680.644927	3840.32	7680.64	3840.32	3840.32	54483.39	217933.57	3840.32	7680.64	3840.32	3840.32	54483.39	217933.57	2270.14136	2270.14136
7680.644927	7680.644927	3840.32	7680.64	3840.32	3840.32	54483.39	217933.57	3840.32	7680.64	3840.32	3840.32	54483.39	217933.57	2270.14136	2270.14136
9077.125822	9077.125822	9077.13	9077.13	9077.13	9077.13	128778.93	386336.78	9077.13	9077.13	9077.13	9077.13	128778.93	386336.78	4024.3415	4024.3415
9077.125822	9077.125822	9077.13	9077.13	9077.13	9077.13	128778.93	386336.78	9077.13	9077.13	9077.13	9077.13	128778.93	386336.78	4024.3415	4024.3415
2443.841568	2443.841568	2443.84	2443.84	2443.84	2443.84	34671.25	104013.75	2443.84	2443.84	2443.84	2443.84	34671.25	104013.75	1083.47656	1083.47656
9.662527778	9.662527778	0.00	9.66	9.66	9.66	0.00	411.25	0.00	9.66	9.66	9.66	0.00	411.25	4.28387931	4.28387931
5.435171875	5.435171875	0.00	5.44	5.44	5.44	0.00	231.33	0.00	5.44	5.44	5.44	0.00	231.33	2.40968211	2.40968211
3.25409	3.25409	0.00	3.25	3.25	3.25	0.00	138.50	0.00	3.25	3.25	3.25	0.00	138.50	1.4427	1.4427
2.235433594	2.235433594	0.00	2.24	2.24	2.24	0.00	95.14	0.00	2.24	2.24	2.24	0.00	95.14	0.99107893	0.99107893
1.0379425	1.0379425	0.00	1.04	1.04	1.04	0.00	44.18	0.00	1.04	1.04	1.04	0.00	44.18	0.46017155	0.46017155
3492.2496	1187.364864	1187.36	1187.36	1187.36	1187.36	16845.37	50536.12	3492.25	3492.25	3492.25	3492.25	49545.22	148635.65	526.41792	1548.288
0.5329975	0.18121915	0.00	0.18	0.18	0.18	0.00	7.71	0.00	0.53	0.53	0.53	0.00	22.69	0.08034347	0.23630431
3.5065625	2.3844625	0.00	2.38	2.38	2.38	0.00	101.49	0.00	3.51	3.51	3.51	0.00	149.24	1.05715086	1.55463362
0.724496384	0.492657541	0.00	0.49	0.49	0.49	0.00	20.97	0.00	0.72	0.72	0.72	0.00	30.84	0.2184196	0.32120529
3142.082015	502.7331225	0.00	502.73	251.37	251.37	0.00	14264.74	0.00	3142.08	1571.04	1571.04	0.00	89154.64	148.591071	928.694192
0.745144531	0.745144531	0.00	0.75	0.00	0.00	0.00	10.57	0.00	0.75	0.00	0.00	0.00	10.57	0.11011988	0.11011988
180.0195903	28.80313444	14.40	28.80	14.40	14.40	204.32	817.27	90.01	180.02	90.01	90.01	1276.99	5107.95	8.51324171	53.2077607
7125.652871	2422.721976	1211.36	2422.72	1211.36	1211.36	17185.81	68743.24	3562.83	7125.65	3562.83	3562.83	50546.50	202186.01	716.075461	2106.1043
121.6348583	19.46157733	9.73	19.46	9.73	9.73	138.05	552.21	60.82	121.63	60.82	60.82	862.83	3451.31	5.75219034	35.9511896
5040.095933	1713.632617	856.82	1713.63	856.82	856.82	12155.82	48623.27	2520.05	5040.10	2520.05	2520.05	35752.40	143009.62	506.492399	1489.68353
4518.706698	2259.353349	1129.68	2259.35	1129.68	1129.68	16026.94	64107.76	2259.35	4518.71	2259.35	2259.35	32053.88	128215.52	667.789167	1335.57833
0.0761425	0.03807125	0.00	0.00	0.00	0.04	0.00	0.54	0.00	0.00	0.00	0.08	0.00	1.08	0.00562629	0.01125259
0.012824	0.012824	0.00	0.00	0.01	0.00	0.00	0.18	0.00	0.00	0.01	0.00	0.00	0.18	0.00189517	0.00189517
0.00218008	0.00218008	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.03	0.00032218	0.00032218
1.79536	1.79536	0.00	1.80	1.80	1.80	0.00	76.41	0.00	1.80	1.80	1.80	0.00	76.41	0.79597241	0.79597241
6.233888889	6.233888889	0.00	6.23	6.23	6.23	0.00	265.32	0.00	6.23	6.23	6.23	0.00	265.32	2.7637931	2.7637931
14.81172	14.81172	14.81	14.81	14.81	14.81	210.14	630.41	14.81	14.81	14.81	14.81	210.14	630.41	6.56677241	6.56677241
7.013125	7.013125	0.00	7.01	7.01	7.01	0.00	298.49	0.00	7.01	7.01	7.01	0.00	298.49	3.10926724	3.10926724
141.6278723	141.6278723	141.63	141.63	141.63	141.63	2009.30	6027.91	141.63	141.63	141.63	141.63	2009.30	6027.91	62.7906823	62.7906823
43.02079986	43.02079986	43.02	43.02	43.02	43.02	610.34	1831.03	43.02	43.02	43.02	43.02	610.34	1831.03	19.073261	19.073261
141.6278723	141.6278723	141.63	141.63	141.63	141.63	2009.30	6027.91	141.63	141.63	141.63	141.63	2009.30	6027.91	62.7906823	62.7906823
0.44884	0.44884	0.00	0.45	0.45	0.45	0.00	19.10	0.00	0.45	0.45	0.45	0.00	19.10	0.1989931	0.1989931
2.80525	2.80525	0.00	2.81	2.81	2.81	0.00	119.40	0.00	2.81	2.81	2.81	0.00	119.40	1.2437069	1.2437069
141.6278723	141.6278723	141.63	141.63	141.63	141.63	2009.30	6027.91	141.63	141.63	141.63	141.63	2009.30	6027.91	62.7906823	62.7906823
141.6278723	141.6278723	141.63	141.63	141.63	141.63	2009.30	6027.91	141.63	141.63	141.63	141.63	2009.30	6027.91	62.7906823	62.7906823
141.6278723	141.6278723	141.63	141.63	141.63	141.63	2009.30	6027.91	141.63	141.63	141.63	141.63	2009.30	6027.91	62.7906823	62.7906823
141.6278723	141.6278723	141.63	141.63	141.63	141.63	2009.30	6027.91	141.63	141.63	141.63	141.63	2009.30	6027.91	62.7906823	62.7906823
0.163862222	0.163862222	0.00	0.00	0.00	0.16	0.00	2.32	0.00	0.00	0.00	0.16	0.00	2.32	0.02421609	0.02421609
1.57094	1.57094	0.00	0.00	0.79	0.00	0.00	11.14	0.00	0.00	0.79	0.00	0.00	11.14	0.11607931	0.11607931

40.5.2	VIIRS	Albedo (Surface)	1	1	1	1		0.75	1.60	1	40075	819200	1	4	6	11	0.5			0.5	0.5	17.2032
40.5.3	ERBS	Downward Long wave Radiation (Surface)			1			25.00		25	112210	553	1	4	4	8	1			1	1	0.008844138
40.5.4	ERBS	Downward Short-wave Radiation (Surface)			1			25.00		25	112210	553	1	4	4	8	1			1	1	0.008844138
40.5.5	ERBS	Outgoing Long wave Radiation (TOA)			1			25.00		25	112210	553	1	4	4	8	1			1	1	0.008844138
40.5.6	TSIS	Solar Irradiance		1				no value		200	3006	15	1	4	4	8	1			1	1	0.000236897
		Land EDRs																				
40.6.1	VIIRS	Land Surface Temperature	1	1	1	1		0.75	1.30	1	40075	819200	1	4	2	11	0.5	0.32		0.5	0.16	13.9264
40.6.2	VIIRS	Vegetation Index	1	1	1	1		0.38	0.80	0.5	160300	3276800	1	4	6	11	0.5	0.32		0.5	0.16	68.8128
40.6.3	VIIRS	Snow Cover/Depth	1	1	1	1		0.80	1.60	1	40075	3276800	1	5	2	11	0.5	0.32		0.5	0.16	58.9824
40.6.3	CMIS	Snow Cover/Depth		1	1	1		12.50		20	175328	864	1	8	1	11	0.5	0.32		0.5	0.16	0.017273707
40.6.4	VIIRS	Surface Type	1	1	1	1		1.00		1	40075	819200	1	2	6	11	1	0.32		0.5	0.16	15.5648
40.6.4.1	VIIRS	Active Fires	1	1	1	1		0.75	1.60	1	40075	819200	1	4	6	11	1	0.32		0.5	0.16	17.2032
		Ocean/Water EDRs																				
40.7.3	VIIRS	Ice Surface Temperature	1	1	1	1		0.80	1.60	1	40075	819200	1	4	1	11	1	0.68		0.5	0.34	13.1072
40.7.3	CMIS	Ice Surface Temperature		1	1	1		25.00		25	112210	553	1	4	1	11	1	0.68		0.5	0.34	0.008844138
40.7.5	VIIRS	Net Heat Flux	1	1	1	1		20.00		20	100	192288	1	2	2	11	1	0.68		0.5	0.34	2.88432
40.7.6	VIIRS	Ocean Color/Chlorophyll	1	1	1	1		0.75	1.30	1	40075	819200	1	6	3	11	0.5	0.68		0.5	0.34	16.384
40.7.7	ALT	Ocean Wave Characteristics - Significant Wave Ht		1				2.50	20.00	10	401	2	1	4	4	11	1	0.68		1	0.68	3.75086E-05
40.7.8	VIIRS	Sea Ice Characterization	1	1	1	1		2.40		2.4	6957	364743	1	5	1	11	1	0.68	0.2	0.5	0.068	6.200631
	CMIS	Sea Ice Characterization		1	1	1		20.00		20	175328	864	1	4	4	11	1	0.68	0.2	1	0.136	0.016410022
40.7.8.1		Fresh Water Ice (TBD)																				
40.7.9	Alt	Sea Surface Height		1				15.00		15	178	1	1	2	4	8	1	0.68		1	0.68	1.22835E-05
40.7.10	CMIS	Global Sea Surface Wind Stress		1	1	1		20.00		20	175328	864	1	4	4	8	1	0.68		1	0.68	0.013818966
		Space Environmental EDRs																				
40.8.1	SESS	Auroral Boundary			1			10.00		10	1142138	5626	1	4	4	11	1		0.2		0.2	0.106899569
40.8.2	SESS	Auroral Energy Deposition			1			10.00		10	1142138	5626	1	4	4	8	1		1		1	0.09002069
40.8.3	SESS	Auroral Imagery			1			25.00		25	182742	900	4	2	4	8	1		1		1	0.018004138
40.8.4	SESS	Electric Field			1			10.00		173	3816	19	1	4	4	8	1		1		1	0.000300781
40.8.5	SESS	Electron Density Profile (Tropical)			1			100.00		951	126	1	57	28	4	8	1		1		1	0.001000339
40.8.5	SESS	Electron Density Profile (Polar)			1			50.00		671	254	1	57	28	4	8	1		1		1	0.002009386
40.8.5	GPSOS	Electron Density Profile			1			50.00		671	271	1	57	28	4	8	1		1		1	0.002150395
40.8.6	SESS	Geomagnetic Field			1			1.00		54	39168	193	1	4	4	8	1		1		1	0.003087129
40.8.9	SESS	In-Situ Plasma Fluctuations			1			10.00		173	3816	19	1	10	4	8	1		1		1	0.000413574
40.8.10	SESS	In-Site Plasma Temperature (Tropical)			1			100.00		951	126	1	1	4	4	8	1		1		1	9.95363E-06
40.8.10	SESS	In-Site Plasma Temperature (Polar)			1			50.00		671	254	1	1	4	4	8	1		1		1	1.99939E-05
40.8.11	SESS	Ionospheric Scintillation			1			50.00		385	771	4	1	4	4	8	1		1		1	6.07325E-05
40.8.11	GPSOS	Ionospheric Scintillation			1			50.00		385	825	4	1	4	4	8	1		1		1	6.49944E-05
40.8.12	SESS	Neutral Density Profile			1			500.00		1226	76	0	148	12	4	8	1		1		1	0.000669282
40.8.13	SESS	Medium Energy Charged Particles			1			25.00		274	1521	7	1	24	4	8	1		1		1	0.000269789
40.8.14	SESS	Energetic Ions			1			25.00		335	1018	5	1	4	4	8	1		1		1	8.02145E-05
40.8.16	SESS	Supra-Thermal through Auroral Particles			1			5.00		122	7674	38	1	20	4	8	1		1		1	0.00120963

3665.762351	1832.881176	916.44	1832.88	916.44	916.44	13001.72	52006.87	1832.88	3665.76	1832.88	1832.88	26003.44	104013.75	541.738279	1083.47656
1.79536	1.79536	0.00	0.00	1.80	0.00	0.00	25.47	0.00	0.00	1.80	0.00	0.00	25.47	0.26532414	0.26532414
1.79536	1.79536	0.00	0.00	1.80	0.00	0.00	25.47	0.00	0.00	1.80	0.00	0.00	25.47	0.26532414	0.26532414
1.79536	1.79536	0.00	0.00	1.80	0.00	0.00	25.47	0.00	0.00	1.80	0.00	0.00	25.47	0.26532414	0.26532414
0.04809	0.04809	0.00	0.05	0.00	0.00	0.00	0.68	0.00	0.05	0.00	0.00	0.00	0.68	0.0071069	0.0071069
2967.521903	474.8035045	237.40	474.80	237.40	237.40	3368.06	13472.26	1483.76	2967.52	1483.76	1483.76	21050.40	84201.61	140.336011	877.10007
14663.04941	2346.087905	1173.04	2346.09	1173.04	1173.04	16642.20	66568.80	7331.52	14663.05	7331.52	7331.52	104013.75	416055.00	693.424997	4333.90623
12568.32806	2010.93249	1005.47	2010.93	1005.47	1005.47	14264.74	57058.97	6284.16	12568.33	6284.16	6284.16	89154.64	356618.57	594.364283	3714.77677
3.5065625	0.56105	0.00	0.56	0.28	0.28	0.00	15.92	0.00	3.51	1.75	1.75	0.00	99.50	0.16582759	1.03642241
3316.642127	530.6627404	530.66	530.66	530.66	530.66	7528.61	22585.84	3316.64	3316.64	3316.64	3316.64	47053.84	141161.52	235.269195	1470.43247
3665.762351	586.5219762	586.52	586.52	586.52	586.52	8321.10	24963.30	3665.76	3665.76	3665.76	3665.76	52006.87	156020.62	260.034374	1625.21484
2792.961791	949.6070091	949.61	949.61	949.61	949.61	13472.26	40416.77	2792.96	2792.96	2792.96	2792.96	39624.29	118872.86	421.008034	1238.25892
1.79536	0.6104224	0.00	0.61	0.61	0.61	0.00	25.98	0.00	1.80	1.80	1.80	0.00	76.41	0.27063062	0.79597241
614.6084255	208.9668647	208.97	208.97	208.97	208.97	2964.65	8893.96	614.61	614.61	614.61	614.61	8719.57	26158.70	92.645408	272.486494
3491.202239	1187.008761	593.50	1187.01	593.50	593.50	8420.16	33680.64	1745.60	3491.20	1745.60	1745.60	24765.18	99060.71	350.840028	1031.88244
0.00761425	0.00517769	0.00	0.01	0.00	0.00	0.00	0.07	0.00	0.01	0.00	0.00	0.00	0.11	0.00076518	0.00112526
1321.268117	89.84623197	89.85	89.85	89.85	89.85	1274.67	3824.00	1321.27	1321.27	1321.27	1321.27	18745.08	56235.25	39.8333048	585.783894
3.331234375	0.453047875	0.00	0.45	0.45	0.45	0.00	19.28	0.00	3.33	3.33	3.33	0.00	141.78	0.20085866	1.47690194
0.002493556	0.001695618	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.04	0.00025058	0.00036851
2.80525	1.90757	0.00	1.91	1.91	1.91	0.00	81.19	0.00	2.81	2.81	2.81	0.00	119.40	0.84572069	1.2437069
21.7006125	4.3401225	0.00	0.00	4.34	0.00	0.00	61.57	0.00	0.00	21.70	0.00	0.00	307.87	0.64139741	3.20698707
18.2742	18.2742	0.00	0.00	18.27	0.00	0.00	259.26	0.00	0.00	18.27	0.00	0.00	259.26	2.70062069	2.70062069
3.65484	3.65484	0.00	0.00	3.65	0.00	0.00	51.85	0.00	0.00	3.65	0.00	0.00	51.85	0.54012414	0.54012414
0.061058505	0.061058505	0.00	0.00	0.06	0.00	0.00	0.87	0.00	0.00	0.06	0.00	0.00	0.87	0.00902342	0.00902342
0.203068893	0.203068893	0.00	0.00	0.20	0.00	0.00	2.88	0.00	0.00	0.20	0.00	0.00	2.88	0.03001018	0.03001018
0.407905344	0.407905344	0.00	0.00	0.41	0.00	0.00	5.79	0.00	0.00	0.41	0.00	0.00	5.79	0.06028158	0.06028158
0.43653028	0.43653028	0.00	0.00	0.44	0.00	0.00	6.19	0.00	0.00	0.44	0.00	0.00	6.19	0.06451186	0.06451186
0.626687243	0.626687243	0.00	0.00	0.63	0.00	0.00	8.89	0.00	0.00	0.63	0.00	0.00	8.89	0.09261388	0.09261388
0.083955445	0.083955445	0.00	0.00	0.08	0.00	0.00	1.19	0.00	0.00	0.08	0.00	0.00	1.19	0.01240721	0.01240721
0.002020586	0.002020586	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.03	0.00029861	0.00029861
0.00405876	0.00405876	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.06	0.00059982	0.00059982
0.012328689	0.012328689	0.00	0.00	0.01	0.00	0.00	0.17	0.00	0.00	0.01	0.00	0.00	0.17	0.00182197	0.00182197
0.013193861	0.013193861	0.00	0.00	0.01	0.00	0.00	0.19	0.00	0.00	0.01	0.00	0.00	0.19	0.00194983	0.00194983
0.135864178	0.135864178	0.00	0.00	0.14	0.00	0.00	1.93	0.00	0.00	0.14	0.00	0.00	1.93	0.02007845	0.02007845
0.054767103	0.054767103	0.00	0.00	0.05	0.00	0.00	0.78	0.00	0.00	0.05	0.00	0.00	0.78	0.00809366	0.00809366
0.016283538	0.016283538	0.00	0.00	0.02	0.00	0.00	0.23	0.00	0.00	0.02	0.00	0.00	0.23	0.00240643	0.00240643
0.245554958	0.245554958	0.00	0.00	0.25	0.00	0.00	3.48	0.00	0.00	0.25	0.00	0.00	3.48	0.03628891	0.03628891