

Passes		Primary												Secondary										Campaign Totals				Campaign NPTS/Pass			All Tracking Totals				No. Sats.					
Site Name	Sta.	GLONASS				Galileo				Compass				GLONASS				Galileo				Compass				GLONASS	Galileo	Compass	GLONASS	Galileo	Compass	Other	All	GNSS	All					
-131	-134	-136	-137	-102	-202	-209	-210	-G1	-I3	-M3	-MS1	-128	-132	-133	-135	-103	-203	-211	-213	-I5	-IS2	-I6B	-MS2	GLONASS	Galileo	Compass	Total	GLONASS	Galileo	Compass	GLONASS	Galileo	Compass	GLONASS	Galileo	Compass	Other	All	GNSS	All
Allay	1879	11	8	8	9	2	0	1	0	0	0	0	3	0	0	11	18	16	20	0	0	0	0	0	101	3	3	107	2.2	2.0	1.7	274	12	3	71	360	34	40		
Areguipa	7493	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	186	186	0	19		
Arkhvz	1886	0	0	1	0	2	2	0	0	0	0	0	0	0	0	5	7	3	4	2	0	0	0	0	20	6	0	26	3.4	2.7	0.0	43	9	0	75	127	22	34		
Badary	1880	0	0	0	0	0	1	0	0	0	0	0	1	1	2	1	1	2	1	0	0	0	0	0	5	1	0	6	2.8	4.0	0.0	5	1	0	204	210	5	24		
Baikunur	1887	6	4	2	2	1	1	0	0	0	0	0	6	6	4	5	0	0	0	0	0	0	0	0	35	2	1	38	3.3	2.5	2.0	45	4	1	48	98	18	21		
Beijing	7249	2	9	4	1	6	8	2	3	0	4	0	1	3	15	11	15	4	4	1	3	2	0	3	60	31	11	102	4.4	5.3	6.1	93	45	11	382	531	40	66		
Borowiec	7811	0	0	0	0	0	1	0	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	3	1	0	4	6.3	6.0	0.0	3	1	0	229	233	4	24		
Brasilia	7407	2	2	1	0	0	0	0	0	0	0	0	1	3	0	1	0	1	0	0	0	0	0	0	10	1	0	11	3.7	3.0	0.0	20	5	0	21	46	18	27		
Changchun	7237	10	8	12	9	7	11	4	2	6	8	3	0	11	17	22	17	7	10	6	6	3	0	7	106	53	27	186	3.5	3.2	3.6	223	109	27	1106	1,465	46	75		
Grasse	7845	4	6	4	2	0	1	1	2	0	0	0	4	4	1	0	0	0	0	0	0	0	0	0	16	4	5	25	4.5	5.0	3.6	16	4	5	83	108	9	18		
Graz	7839	12	8	12	11	7	5	5	11	0	0	0	8	1	11	11	7	11	6	7	7	5	0	1	2	83	53	12	148	5.8	6.0	4.1	95	113	12	429	649	40	66	
Greenbelt	7105	15	10	6	7	8	5	0	0	0	0	0	5	0	5	12	12	8	6	8	1	2	0	0	75	30	5	110	4.2	4.5	5.8	75	30	5	1090	1,200	15	39		
Haleakala	7119	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0	0	0	0	139	139	0	21		
Hartebeesthoek	7501	1	5	4	3	0	0	2	4	0	0	0	0	0	1	0	2	0	5	0	1	3	0	0	16	15	0	31	8.3	5.9	0.0	16	15	0	164	195	11	35		
Herstmonceux	7840	16	17	24	20	10	9	15	0	0	0	14	5	11	13	12	11	12	13	9	5	0	0	1	124	83	23	230	3.8	3.5	4.5	284	166	23	695	1,168	46	71		
Irkutsk	1891	4	9	14	17	2	5	0	0	0	0	1	0	5	10	8	11	1	1	3	0	0	0	0	78	15	1	94	2.7	2.8	2.0	96	22	1	401	520	28	49		
Katziwely	1893	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	5.0	0.0	0.0	2	0	0	293	295	2	25		
Kiev	1824	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0	0	0	0	69	69	0	12		
Komsomolsk	1868	24	12	10	8	2	2	3	0	1	0	1	0	22	25	24	27	1	2	1	0	1	0	0	152	11	3	166	4.3	3.1	3.0	439	17	3	84	543	39	44		
Kunming	7819	23	13	15	3	14	17	11	8	17	25	15	3	21	27	19	27	13	15	8	11	18	5	22	148	97	108	353	2.4	2.5	2.6	401	212	108	897	1,618	49	73		
Matera	7941	21	20	18	23	10	11	9	13	0	0	8	1	14	6	4	6	10	8	10	5	0	0	0	112	76	9	197	6.9	5.9	6.6	113	78	9	746	946	21	46		
McDonald	7090	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0	0	0	0	28	28	0	12		
Mendeleevo	1874	2	0	2	1	3	0	0	0	0	0	0	2	3	5	2	0	1	0	0	0	0	0	0	17	4	2	23	2.6	2.5	2.0	37	8	2	63	110	23	36		
Monument Peak	7110	1	7	5	6	6	3	0	0	0	0	5	2	2	7	2	5	0	5	6	0	0	0	0	35	23	10	68	3.1	3.5	5.2	35	24	10	674	743	17	41		
Mount Stromlo	7825	37	42	35	45	39	14	18	16	1	12	20	0	30	21	25	26	21	13	11	15	0	0	1	261	147	34	442	4.6	4.1	3.5	299	199	34	1466	1,998	35	60		
Potsdam	7841	3	8	9	6	7	7	1	4	0	0	2	0	5	11	11	12	5	8	1	2	0	0	1	65	35	3	103	4.7	4.4	4.7	77	64	3	861	1,005	33	58		
Riga	1884	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	3	0	0	3	6.7	0.0	0.0	3	0	0	216	219	2	26		
Shanghai	7821	13	15	17	0	14	11	9	4	5	20	12	0	13	17	22	0	12	11	5	11	8	0	17	97	77	63	237	4.5	5.0	5.9	231	145	63	714	1,153	45	70		
Simeiz	1873	8	1	1	1	2	0	0	0	0	0	2	1	4	6	10	9	1	0	0	0	0	0	0	4	3	4	47	4.2	3.7	5.0	85	6	4	381	476	27	49		
Simosato	7838	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0	0	0	0	292	292	0	15		
Tahiti	7124	6	4	7	5	1	0	0	2	0	0	0	6	0	5	2	2	2	0	1	1	0	0	0	35	7	0	42	10.3	4.6	0.0	35	7	0	172	214	12	34		
Wetzell (SOSW)	7827	16	12	10	13	7	12	6	4	0	13	1	19	19	20	21	9	8	5	6	0	0	0	0	130	57	14	201	3.2	2.4	1.8	312	126	14	591	1,043	43	67		
Wetzell (WETL)	8834	7	7	7	5	3	4	1	2	0	0	2	0	3	3	7	7	4	0	1	2	0	0	0	46	17	2	65	4.5	4.3	3.0	70	36	2	275	383	36	61		
Yaragadee	7090	58	65	62	62	50	23	34	39	45	18	30	13	56	54	65	47	43	16	30	23	44	35	11	12	469	258	208	935	6.4	5.7	4.5	529	358	208	3290	4,385	38	73	
Zelenchukskaya	1889	4	1	0	0	0	0	0	0	0	0	0	4	5	6	8	1	0	0	0	0	0	0	0	28	1	0	29	2.5	2.0	0.0	71	1	0	154	226	20	37		
Zimmerwald	7810	5	8	0	0	5	0	4	3	0	0	8	0	9	5	7	0	9	8	9	10	0	1	1	34	48	10	92	2.7	3.8	4.5	110	100	10	606	826	37	59		
Totals:	36	312	302	290	259	208	154	120	138	75	90	156	29	282	323	334	304	174	139	116	110	76	40	63	29	2,406	1,159	558	4,123	4.6	4.4	4.1	4,137	1,917	558	17,195	23,807			

Pass Summary by Network (Campaign Constellation vs. Total)

Network	Sta.	%GLO	%GAL	%COM	Tot.	GLO	GAL	COM	Tot.
Chinese Network	4	17%	22%	37%	21%	411	258	209	878
European Network	13	27%	33%	15%	27%	658	377	82	1,117
NASA Network	8	26%	29%	40%	29%	630	333	223	1,186
Russian Network	9	19%	4%	2%	12%	446	44	10	500
All Others	2	11%	13%	6%	11%	261	147	34	442
Totals:	36	58%	28%	14%	100%	2,406	1,159	558	4,123

Total passes/constellation>10	
Total passes/campaign>25	

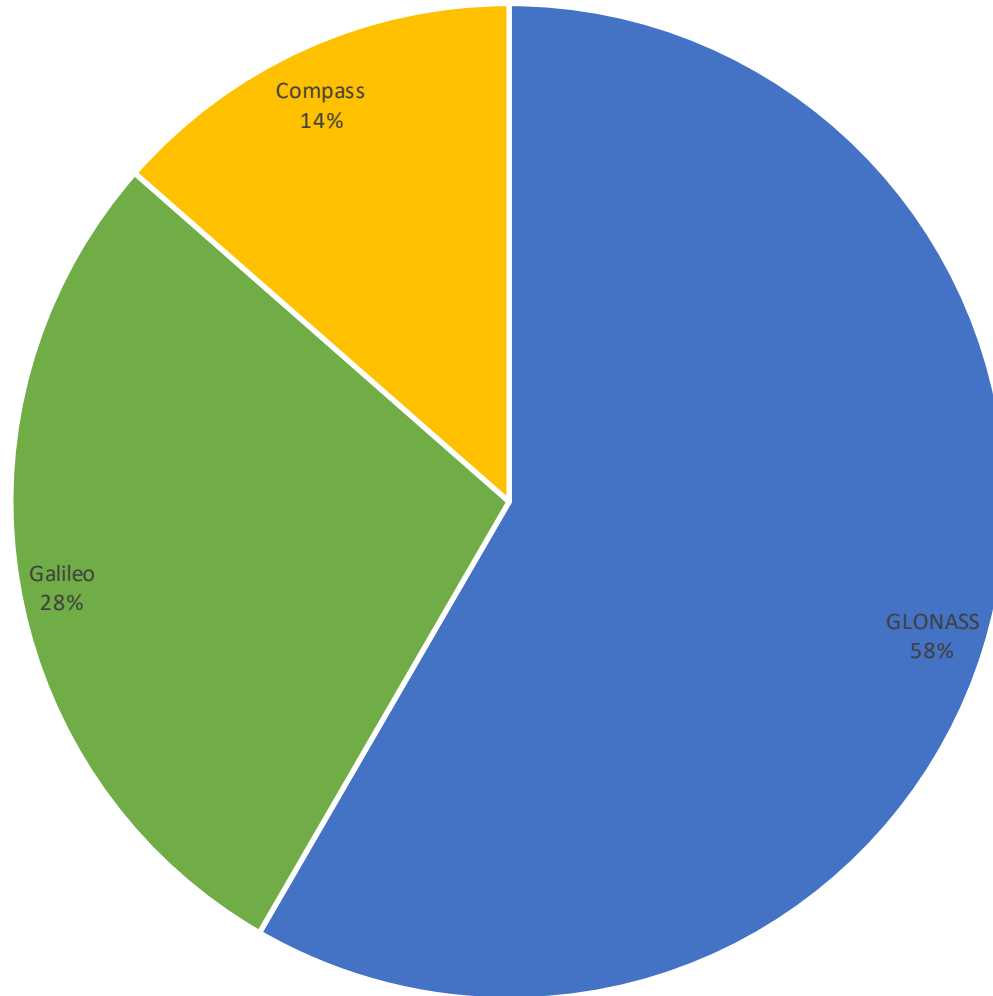
Number of NPTs		Primary													Secondary								Campaign Totals				All Tracking Totals							
Site Name	Sta.	GLONASS			Galileo			Compass				GLONASS				Galileo				Compass				GLONASS	Galileo	Compass	Total	GLONASS	Galileo	Compass	Other	All		
		-131	-134	-136	-137	-102	-202	-209	-210	-G1	-I3	-M3	-MS1	-128	-132	-133	-135	-103	-203	-211	-213	-I5	-IS2	-I6B	-MS2	GLONASS	Galileo	Compass	Total	GLONASS	Galileo	Compass	Other	All
Allay	1879	26	16	15	18	4	0	2	0	0	5	0	0	19	36	40	52	0	0	0	0	0	0	0	0	222	6	5	238	592	23	5	464	1,084
Areguipa	7493	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,798	1,798
Arknyz	1886	0	0	3	0	4	6	0	0	0	0	0	0	19	22	13	11	6	0	0	0	0	0	0	0	68	16	0	84	146	27	0	563	736
Badary	1890	0	0	0	0	0	4	0	0	0	0	0	0	3	2	6	3	0	0	0	0	0	0	0	0	14	4	0	18	14	4	0	1,770	1,788
Baikunur	1887	23	11	7	8	3	2	0	0	0	0	2	0	18	19	12	18	0	0	0	0	0	0	0	0	116	5	2	123	144	10	2	224	380
Beijing	7249	12	52	20	4	27	42	10	14	0	17	0	12	16	58	54	48	16	25	9	20	9	0	23	6	264	163	67	494	374	211	67	2,610	3,262
Borowiec	7811	0	0	0	0	6	0	0	0	0	0	0	0	6	0	7	6	0	0	0	0	0	0	0	0	19	6	0	25	19	6	0	3,123	3,148
Brasilia	7407	8	5	4	0	0	0	0	0	0	0	0	0	3	14	0	0	0	3	0	0	0	0	0	0	37	3	0	40	68	16	0	198	282
Changchun	7237	40	28	37	26	18	42	20	4	24	30	12	0	47	67	73	58	22	28	16	19	11	0	19	0	376	169	96	641	755	350	96	11,755	12,956
Grasse	7845	24	24	15	9	0	7	4	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	72	20	18	110	72	20	18	1,003	1,113
Graz	7839	71	44	63	70	62	25	29	59	0	41	2	48	69	36	83	33	49	39	23	0	0	2	4	484	319	49	852	532	634	49	7,385	8,600	
Greenbelt	7105	77	50	27	28	31	26	0	0	0	0	29	0	13	60	35	27	18	45	5	11	0	0	0	0	317	136	29	482	317	136	29	20,375	20,857
Haleakala	7119	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,081	2,081	
Hartebeesthoek	7501	3	63	28	22	0	11	22	0	0	0	0	0	9	0	8	0	32	0	10	14	0	0	0	0	133	89	0	222	133	89	0	2,252	2,474
Herstmonceux	7840	63	90	96	76	54	42	22	65	0	71	23	31	34	46	29	34	40	19	15	0	0	1	9	465	291	104	860	857	556	104	9,311	10,828	
Irkutsk	1891	12	31	50	51	4	14	0	12	0	2	0	0	9	20	15	24	3	3	6	0	0	0	0	0	212	42	2	256	254	55	2	3,560	3,871
Katziwely	1893	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	0	0	10	10	0	0	3,235	3,245
Kiev	1824	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	465	465	
Komsomolsk	1868	108	38	41	19	5	6	10	0	3	0	3	0	101	115	105	123	3	8	2	0	3	0	0	0	650	34	9	693	1,747	53	9	508	2,317
Kunming	7819	55	30	35	7	36	43	26	20	46	69	39	6	52	59	44	74	33	36	19	28	47	14	57	7	356	241	285	882	989	524	285	9,599	11,397
Matera	7941	167	167	97	174	44	58	62	60	0	56	3	90	27	24	23	76	48	81	16	0	0	0	0	0	769	445	59	1,273	771	459	59	8,632	9,921
McDonald	7090	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	304	304
Mendeleevo	1874	6	0	4	4	7	0	0	0	0	0	0	0	5	7	13	5	0	3	0	0	0	0	0	0	44	10	4	58	113	21	4	977	1,115
Monument Peak	7110	1	22	13	21	13	18	0	13	0	31	12	4	19	10	17	0	13	24	0	0	0	0	0	0	107	81	52	240	107	84	52	11,517	11,760
Mount Stromlo	7825	162	246	228	219	184	45	92	58	4	47	65	0	86	82	65	103	99	39	31	53	0	0	3	3	1,191	601	119	1,911	1,298	773	119	19,797	21,987
Potsdam	7841	16	38	46	19	37	27	3	19	0	8	0	0	17	56	50	61	23	33	4	7	0	0	0	6	303	153	14	470	351	289	14	13,493	14,147
Riga	1884	0	0	0	0	0	0	0	0	0	0	0	0	6	14	0	0	0	0	0	0	0	0	0	0	20	0	0	20	20	0	0	3,184	3,204
Shanghai	7821	57	63	71	0	70	55	48	18	19	148	57	0	66	80	96	0	64	63	18	47	35	0	110	4	433	383	373	1,189	1,015	695	373	5,808	7,891
Simeiz	1873	37	6	4	4	5	0	0	0	0	0	10	6	12	27	46	33	6	0	0	0	0	0	0	0	169	11	20	200	351	20	20	3,557	3,948
Simosato	7838	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4,349	4,349
Tahiti	7124	60	49	135	36	4	0	0	13	0	0	0	0	52	0	21	6	8	0	3	4	0	0	0	0	359	32	0	391	359	32	0	2,675	3,066
Wetzell (SOSW)	7827	36	31	26	35	14	33	13	6	0	23	2	72	72	59	84	20	21	14	16	0	0	0	0	0	415	137	25	577	849	264	25	6,213	7,351
Wetzell (WETL)	8834	31	34	42	20	13	18	5	15	0	6	0	15	10	27	28	13	0	2	7	0	0	0	0	0	207	73	6	286	291	135	6	2,238	2,670
Yarragadee	7090	441	561	477	460	411	100	232	221	230	66	152	70	234	257	387	194	213	61	150	80	183	163	28	36	3,011	1,468	928	5,407	3,231	1,766	928	52,735	58,660
Zelenchukskaya	1889	11	3	0	0	0	0	0	0	0	0	0	11	10	12	22	2	0	0	0	0	0	0	0	0	69	2	0	71	184	2	0	1,286	1,472
Zimmerwald	7810	15	25	0	0	15	0	8	11	0	0	35	0	21	11	19	0	46	30	28	42	0	0	6	4	91	180	45	316	291	394	45	9,090	9,820
Totals:	36	1,567	1,732	1,584	1,330	1,065	619	597	639	326	382	659	141	1,079	1,239	1,337	1,135	770	548	480	402	288	177	246	92	11,003	5,120	2,311	18,434	16,254	7,648	2,311	228,134	254,347

Pass Summary by Network (Campaign Constellation vs. Total)

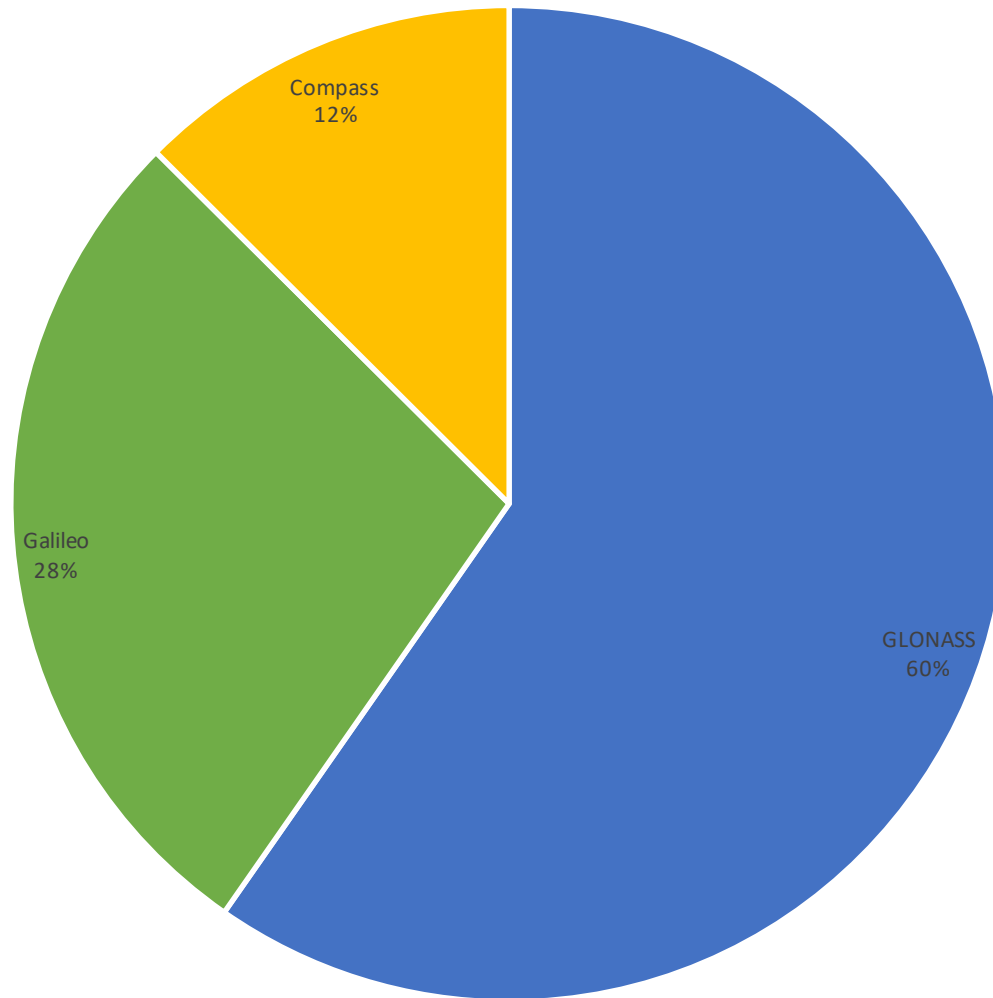
Network	Sta.	%GLO	%GAL	%COM	Tot.	GLO	GAL	COM	Tot.
Chinese Network	4	13%	19%	36%	17%	1,429	956	821	3,206
European Network	13	27%	32%	15%	27%	3,024	1,635	340	4,999
NASA Network	8	36%	35%	44%	37%	3,927	1,806	1,009	6,742
Russian Network	9	13%	2%	1%	9%	1,432	122	22	1,576
All Others	2	11%	12%	5%	10%	1,191	601	119	1,911
Totals:	36	60%	28%	13%	100%	11,003	5,120	2,311	18,434

Total NPTs/constellation>25
Total NPTs/campaign>100

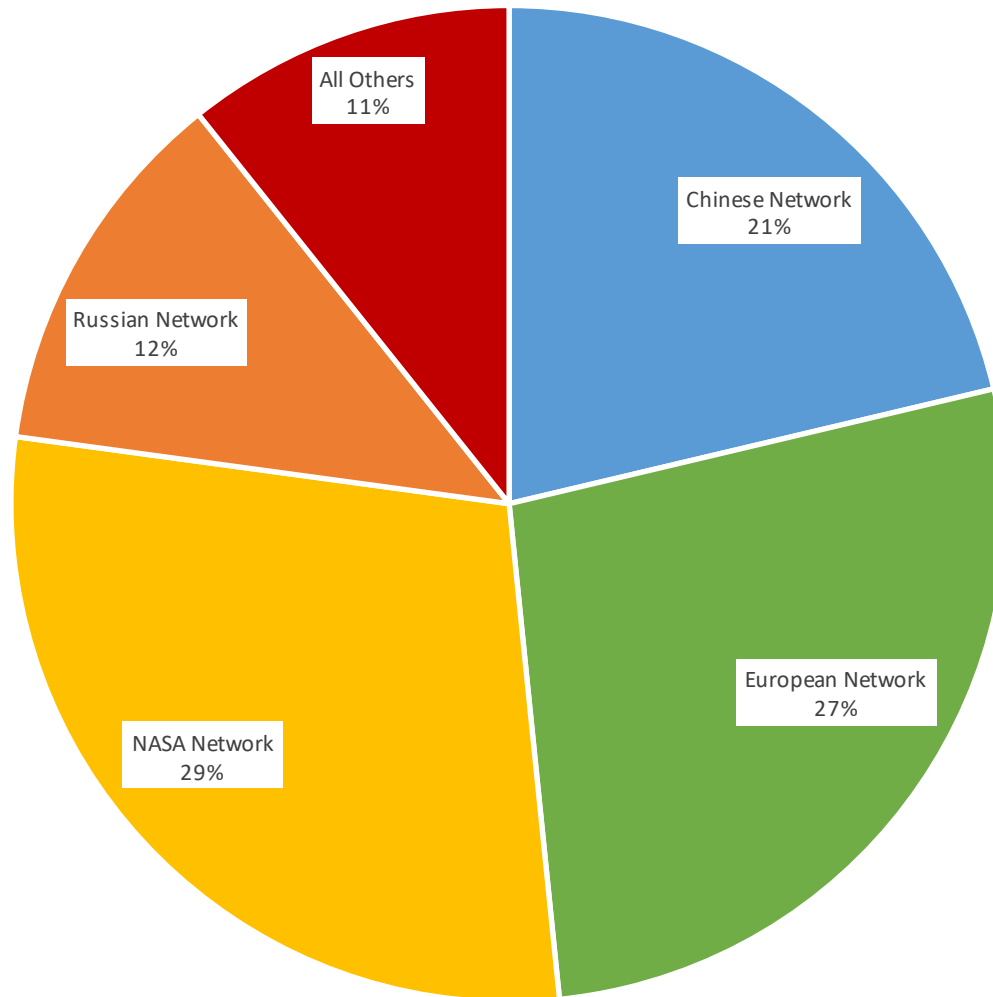
Station Tracking Totals by Constellation
(passes)



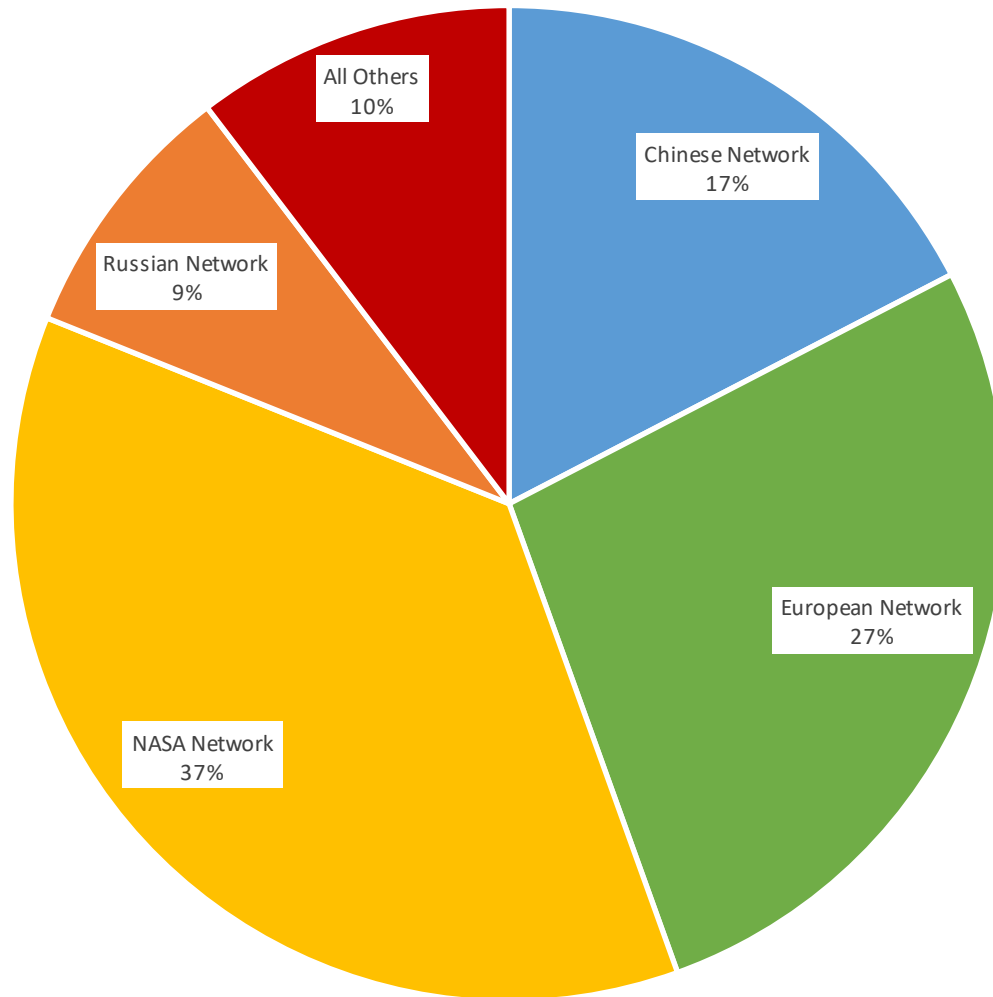
Station Tracking Totals by Constellation
(NPTs)



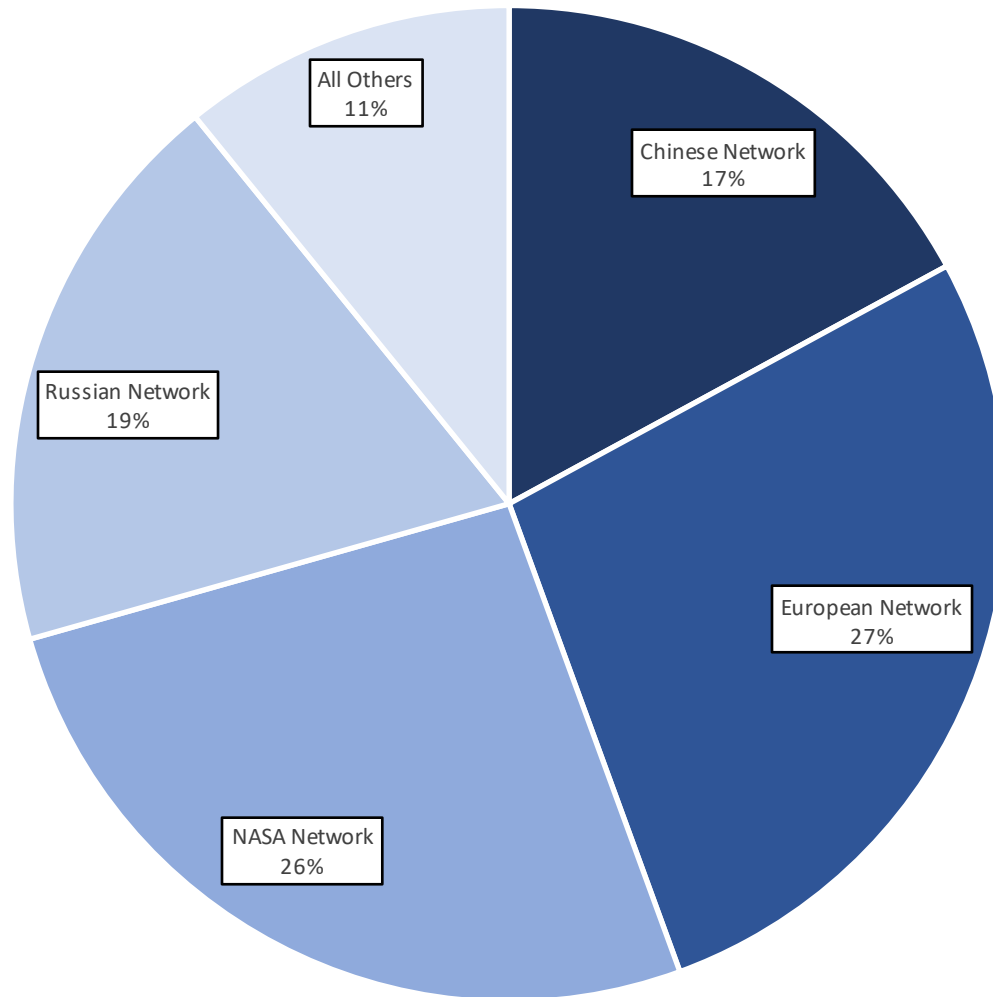
Tracking Totals by Network (Passes)



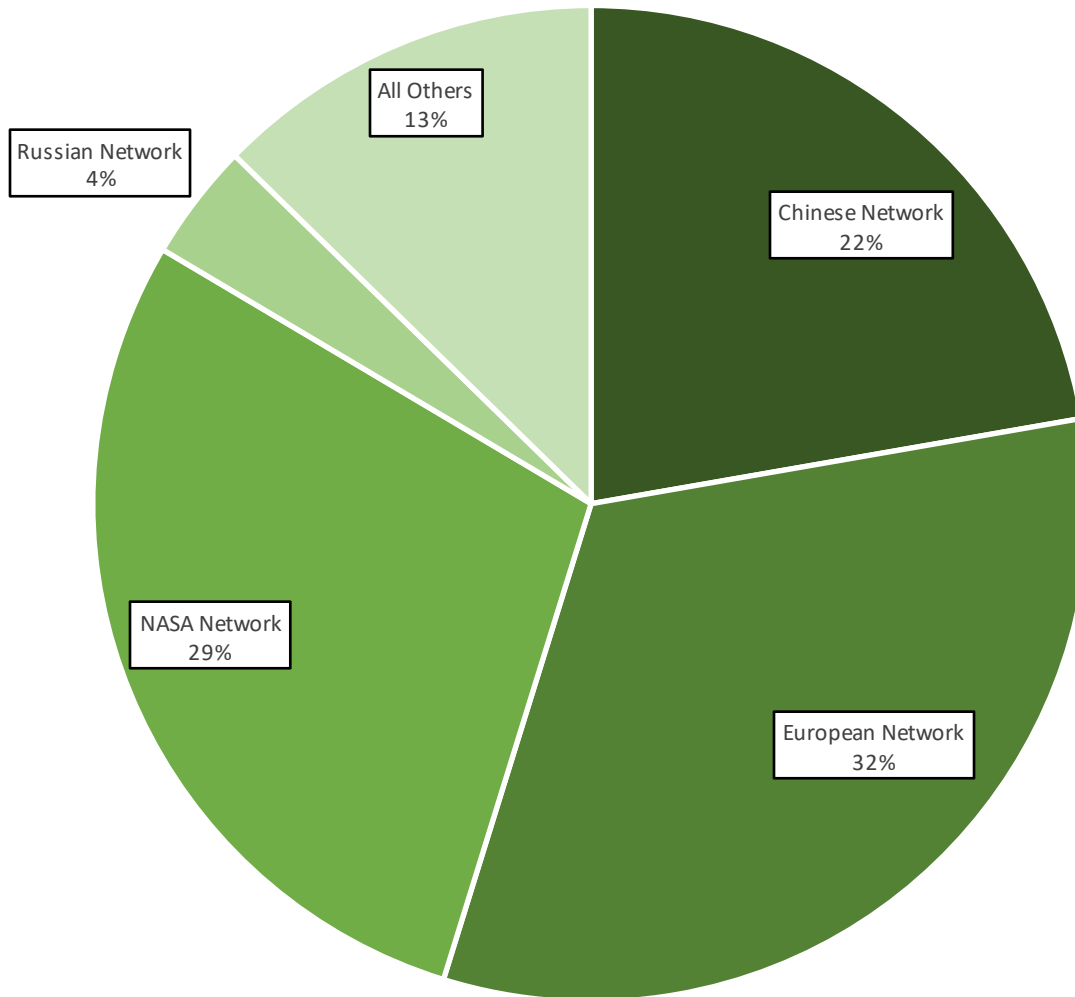
Tracking Totals by Network (NPTs)



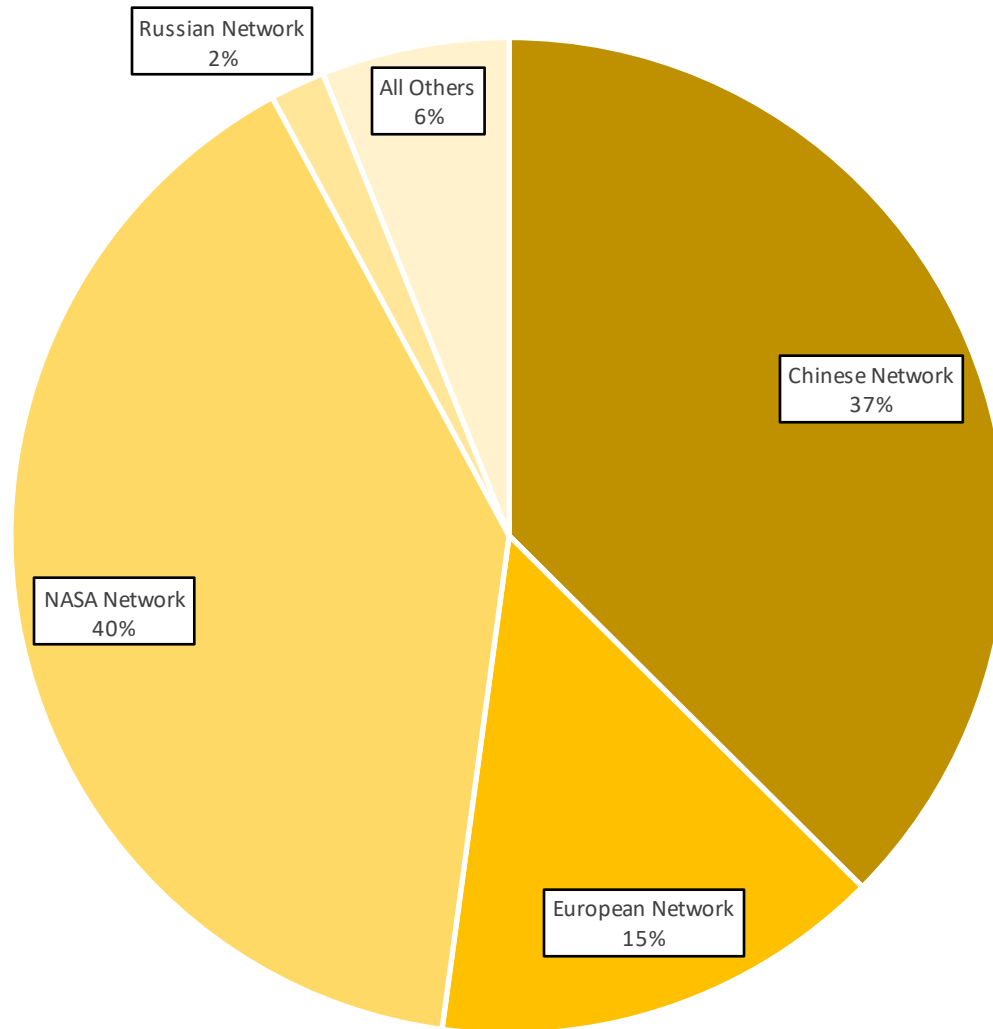
GLONASS Tracking Totals by Network (Passes)



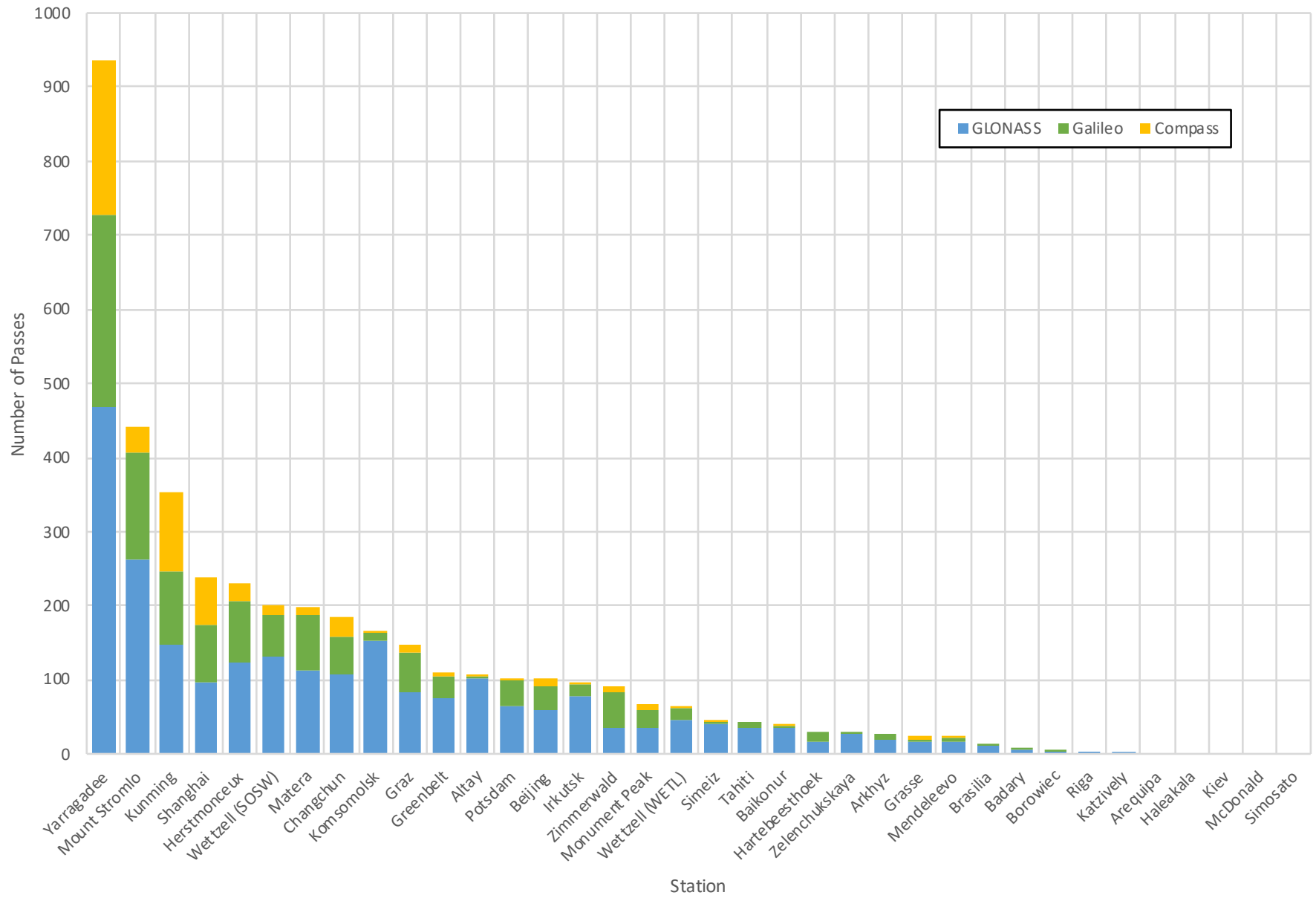
Galileo Campaign Tracking Totals by Network
(Passes)



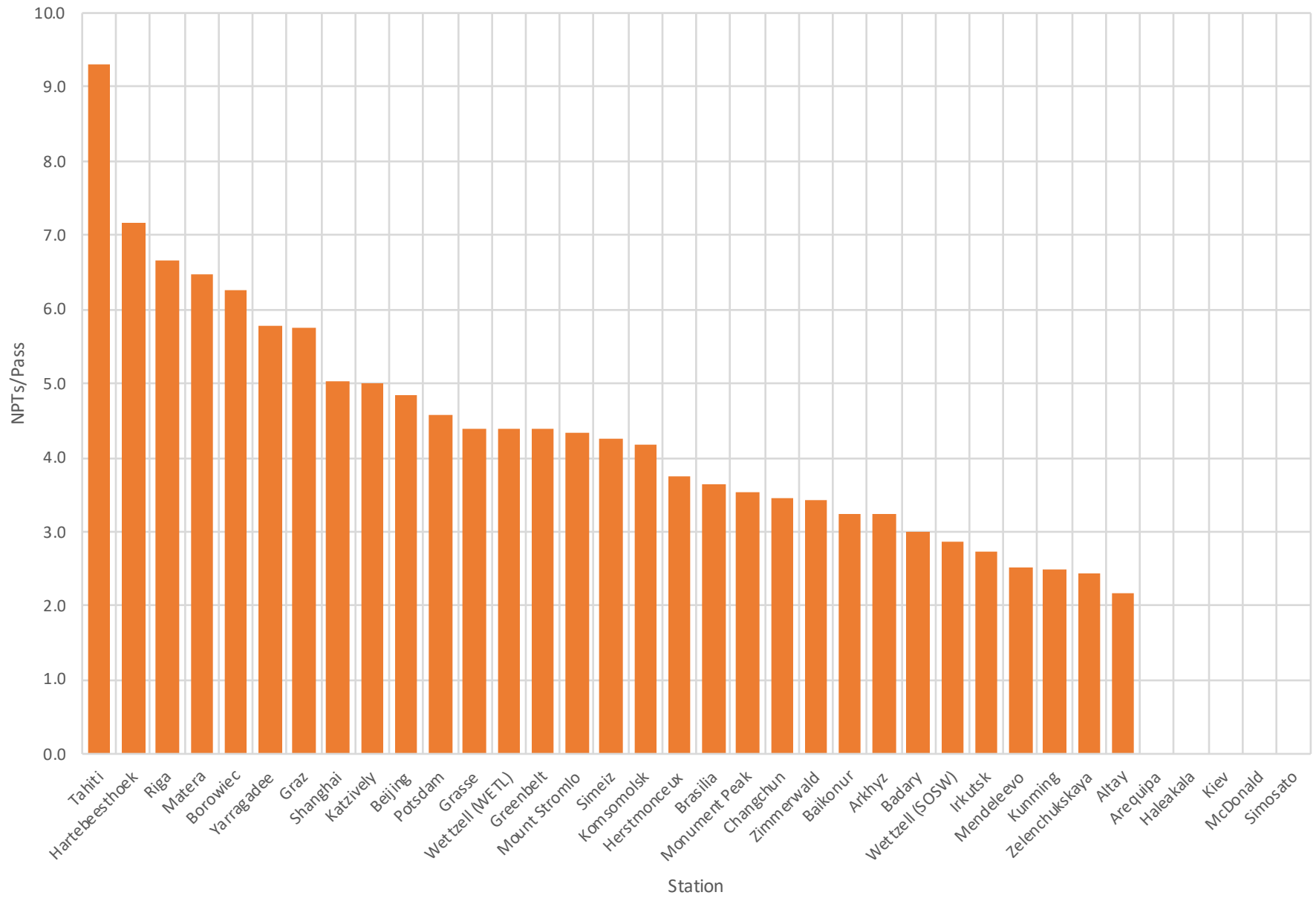
Compass Campaign Totals by Network
(Passes)



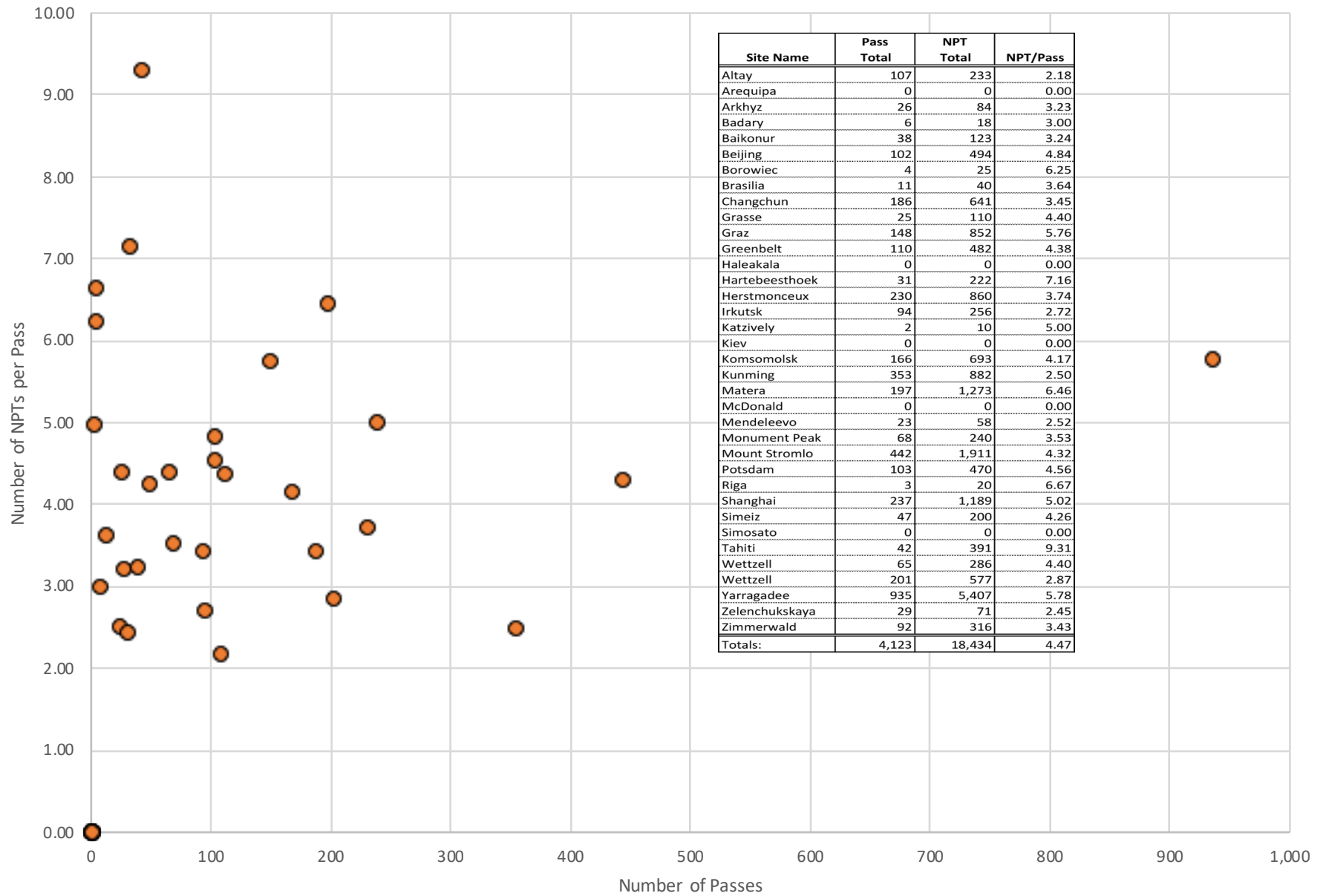
Campaign Pass Totals by Station



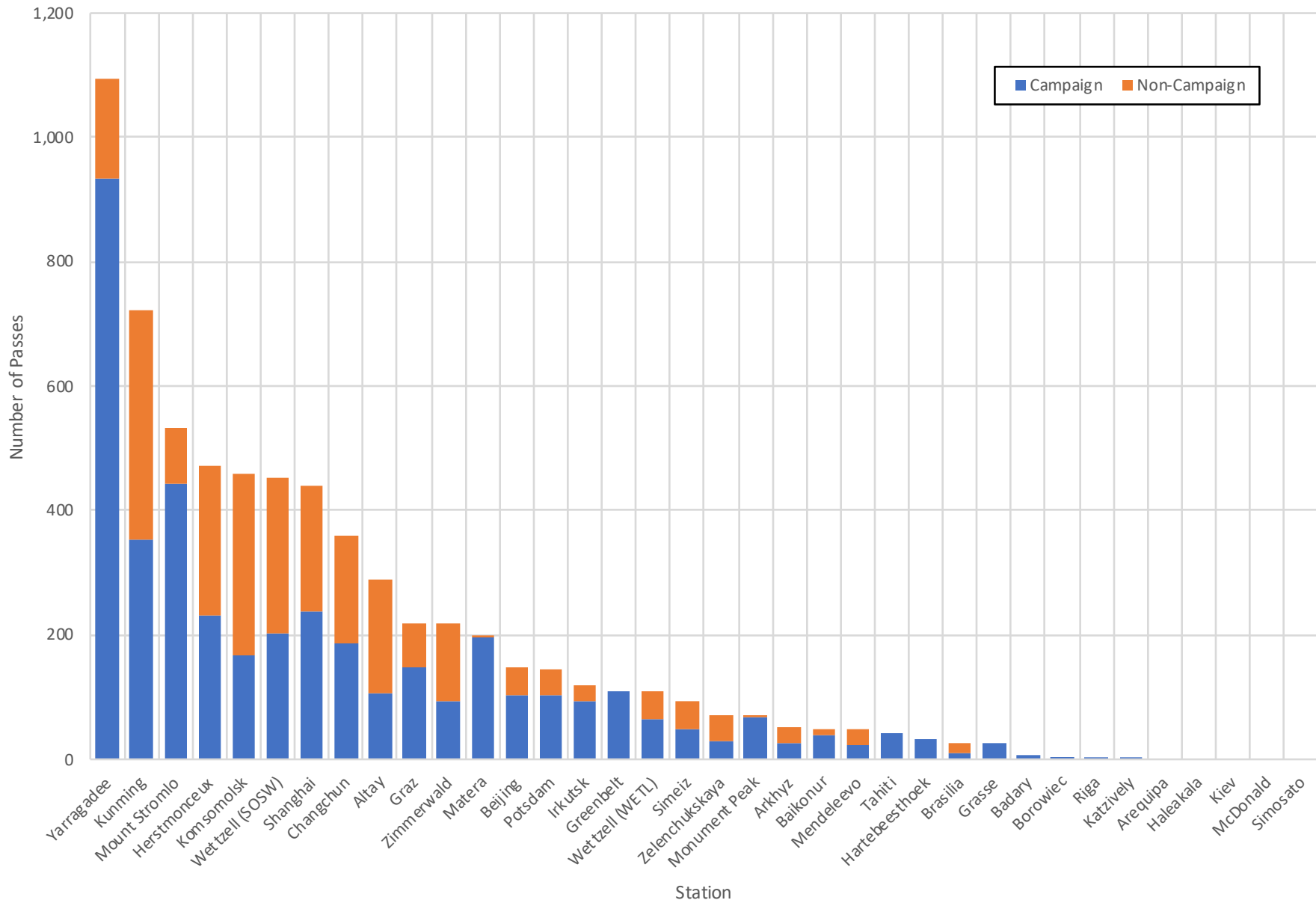
Campaign NPTs per Pass



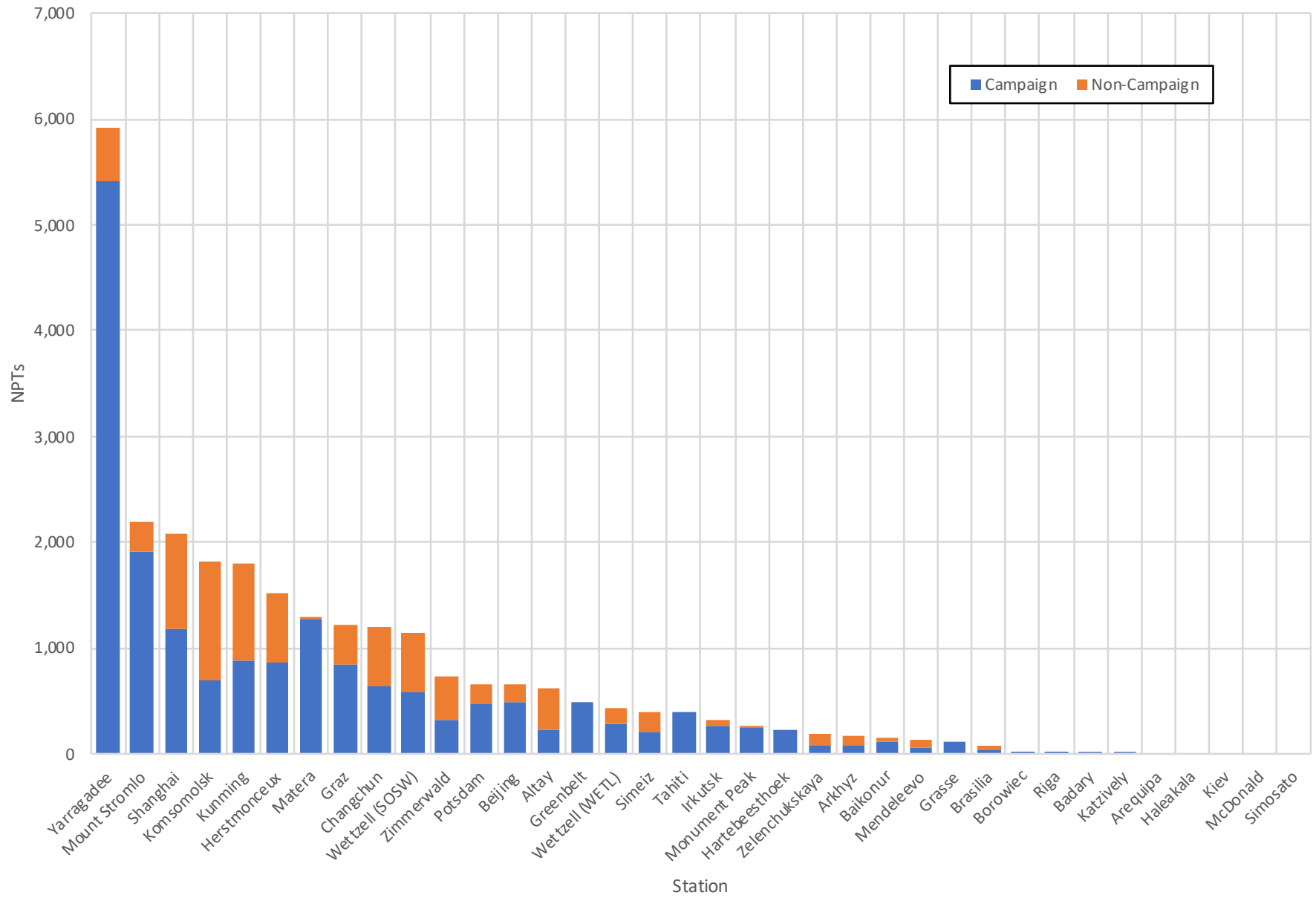
Station Performance: Campaign Normal Points per Pass



Campaign and Total GNSS (Passes)



Campaign and Total GNSS (NPTs)



GNSS Pass Totals (Primary/Secondary/Other)

