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# Galileo for Science (G4S) Tracking Campaign

14-February-2024



# Galileo for Science Campaign Summary Pass Comparison (this week vs last week)

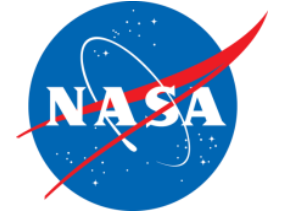


Galileo Pass Totals based on Data Received prior to Feb 14, 2024																	
Station	PAD	101	102	103	201	202	203	205	206	208	209	210	211	212	221	Total	Diffs
Riga	1884		1										1			2	0
Yarragadee	7090	9	8	9	11	8	3	11	8	7	6	10	9	10	5	114	33
Greenbelt	7105		2								1				3	6	0
Monument	7110		1													1	0
Changchun	7237	12	10	8	6	7	10	4	3	7	9	1	3	9	9	98	7
Beijing	7249	2	4		3	1	2	2	2	3	2	1	1	4	4	31	0
Wuhan	7396					2	1		1			1	1			6	0
Kunming	7819	5	7	6	6	6	7	3	4	4	2	3	1	5	4	63	0
Shanghai	7821	3	2	3		2	2		2	1	1		1	1	2	20	0
Wetzell	7827	5	5	1	6	6	4	3	4	3	3	3	3	3	5	54	5
Graz	7839	5	7	5	5	6	8	4	3	4	4	6	4	3	7	71	3
Herstmonceux	7840	1	3	2	4	4	2	2	2	2	4	2	2	2	2	34	10
Potsdam	7841	4	1	1	1				1			1		1	2	12	1
Grasse	7845	5	8	4	6	5	2	8	5	4	8	9	4	5	5	78	10
Matera	7941	8	7	8	8	10	8	9	11	11	6	9	8	7	12	122	1
Wetzell	8834	1	8	5	1	5	5	4	5	3	6	4	4	4	6	61	3
Totals		60	74	52	57	62	54	50	51	49	52	50	42	54	66	773	73

Legend
Elliptical Orbital
Differences since last week



# Galileo for Science Campaign Summary NP Comparison (this week vs last week)



Galileo NP Totals based on Data Received prior to Feb 14, 2024																	
Station	PAD	101	102	103	201	202	203	205	206	208	209	210	211	212	221	Total	Diffs
Riga	1884		11										6			17	0
Yarragade	7090	42	33	34	34	45	11	24	48	18	20	43	32	28	16	428	132
Greenbelt	7105		14								3				12	29	0
Monumer	7110		4													4	0
Changchu	7237	49	47	35	25	18	35	15	10	24	34	3	7	34	36	372	34
Beijing	7249	6	11		9	2	3	4	4	7	5	1	1	10	9	72	0
Wuhan	7396					6	2		1			2	4			15	0
Kunming	7819	12	17	16	15	14	18	6	10	8	4	8	3	15	11	157	0
Shanghai	7821	17	8	15		8	10		11	5	3		3	3	12	95	0
Wettzell	7827	9	8	1	7	9	4	3	4	4	3	3	3	5	5	68	8
Graz	7839	17	29	11	11	12	25	10	7	10	9	26	11	7	29	214	9
Herstmon	7840	6	7	3	19	18	12	9	5	5	14	8	11	5	5	127	39
Potsdam	7841	20	8	4	5				3			4		3	6	53	8
Grasse	7845	18	35	18	17	15	6	33	26	15	31	31	23	20	17	305	31
Matera	7941	60	89	92	59	108	74	67	132	84	77	72	77	61	116	1168	4
Wettzell	8834	3	65	17	1	19	15	14	13	7	26	14	23	15	20	252	11
Totals		259	386	246	202	274	215	185	274	187	229	215	204	206	294	3376	276

Legend
Elliptical Orbital
Differences since last week



# Galileo for Science Campaign Summary

## NP per Day per Satellite



❑ G4S\_2.0 Requirement: “At least 10 NPs per day are required to obtain a reliable and sufficiently robust POD”

Satellite	First Week							Second Week					Third Week								
	20-Jan	21-Jan	22-Jan	23-Jan	24-Jan	25-Jan	26-Jan	27-Jan	28-Jan	29-Jan	30-Jan	31-Jan	1-Feb	2-Feb	3-Feb	4-Feb	5-Feb	6-Feb	7-Feb	8-Feb	9-Feb
GALILEO-101	17	1	31	9	11	23	23	11	6	20	13	3	21	11	11	6	11		3	9	
GALILEO-102	12	14	14	18		7	39	15	35	27	32	13	14	16	37	5	30	11		13	7
GALILEO-103	10	7	5	18	5	2	38	11	15	14	16	8	5	8	34		16	11		5	5
GALILEO-201	3	15	10	7	2	15	11	8	14	8	8	12	16	9	11	18	8	9	2		
GALILEO-202	5	27	20	4	2	14	11	3	11	23	2	24	21	23	18	14	9	3	7	10	5
GALILEO-203	8	21	7	8	2	19	3	12	13	10	18	13	12	5	27	8	2	10	3	4	6
GALILEO-205	6		16	6		26	14	3	6	18	9		8	16	9	12	17		3	2	
GALILEO-206	2	18	25	5	22	14	13	12	17	28	1	21	18		28	9	3	5	12		
GALILEO-208		8	13		12	29		24	11	9	2	4	14	4	21	17		10	7		
GALILEO-209	10	6	11	4		14	19	4	9	21	28		8	30	15	5	16		3	12	
GALILEO-210	3	1	6	19	6	13	3	1	21	15	31	20	4	17	14		8	14	4		4
GALILEO-211	1	7	21	2	7	13		2	19	30		13	21	20	5	8	13	1	9		
GALILEO-212		15	17		7	34	5	5	12	26		9	13	3	17	14	10	5	9		
GALILEO-221	2	17	18	2	13	20	9	21	24	22	3	28	32	9	23	13	5	7	8	3	
Grand Total	79	157	214	102	89	243	188	132	213	271	163	168	207	171	270	129	148	86	70	58	27