

Catalog page	ID	spe. type	unusual light curve	Local Time (JST)	shower	0557	spe. order				Mag.	Dur.	Ave. Vel.	ref. star	FPS	sN	lens	grating	note	
							-2	-1	0	1										2
							sec.	deg/s												
JUL 1	E0001	N3		20150728_004626	CAP			x	x		-0.2	0.5	8	32	24	12	FD24	600UV	new grating	
JUL 1	E0002	N1		20150728_012130	SDA /CAP			x	x		-0.5	0.5	5	34	24	14	FD24	600UV		
JUL 1	E0003	um		20150729_010535	spo			x	x		-0.5	0.5	4	10	24	14	FD24	600UV		
JUL 1	E0004	um		20150729_040518	SDA			x	x		-0.2	0.2	14	50	24	6	FD24	600UV		
JUL 1	E0005	N3		20150729_230352	CAP			x	x	x	-1.2	0.9	4	1	24	21	FD24	600UV		
JUL 1	E0006	N3		20150729_233324	CAP			x	x	x	-1.9	1.4	3	13	24	34	FD24	600UV		
JUL 1	E0007	N3		20150730_031554	CAP			x	x		-0.9	1	7	35	24	24	FD24	600UV		
JUL 1	E0008	um		20150730_035414	spo			x	x		-0.3	0.4	16	50	24	10	FD24	600UV		
JUL 1	E0009	um		20150730_035442	PER	v		x	x		0.2	0.3	6	59	24	8	FD24	600UV		
JUL 1	E0010	um		20150730_040741	spo			x	x		-0.2	0.7	7	58	24	12	FD24	600UV		
JUL 1	E0011	N3		20150730_044007	PER			x	x	x	-2.7	0.5	22	17	24	14	FD24	600UV		
JUL 1	E0012	N3		20150730_234524	ANT			x	x		-0.3	1.7	3	3	24	42	FD24	600UV		
JUL 1	E0013	N3		20150731_023340	ANT			x	x		-0.9	0.5	4	6	24	14	FD24	600UV		
JUL 1	E0014	u		20150731_043104	spo			x	x		-2.7	0.4	16	19	24	10	FD24	600UV		
AUG 1	E0015	N3		20150802_231126	SDA			x	x		-2.1	0.4	8	3	24	10	FD24	600UV		
AUG 1	E0016	N3		20150802_235535	CAP			x	x		-1.5	1	2	16	24	24	FD24	600UV		
AUG 1	E0017	N3		20150803_015501	CAP /ANT			x	x		-2.4	1	4	15	24	24	FD24	600UV		
AUG 4	E0018	N3		20150805_021305	spo			x	x						still		Nik50	600UV		
AUG 4	E0019	N3		20150805_022913	ERI			x	x		0	0.3	21	15	24	6	Nik50	600UV		
AUG 4	E0020	N6		20150812_005451	spo			x	x		0.8	0.9	6	88	24	22	Nik50	600UV		
AUG 4	E0021	N3		20150812_015245	PER	v		x	x						still		Nik50	600UV		
AUG 4	E0022	N3		20150812_043642	PER	v		x	x						still		Nik50	600UV		
AUG 4	E0023	N3		20150812_0436	PER	v			x						still		Nik50	600UV		
AUG 5	E0024	N1		20150813_033141	PER	v		x	x						still		Nik50	600UV		
AUG 5	E0025	um		20150813_033336	spo	v		x	x						still		Nik50	600UV		
AUG 5	E0026	um		20150813_035108	PER	v		x	x						still		Nik50	600UV		
AUG 5	E0027	um		20150813_043600	PER	v		x	x		0.2	0.2	1	58	24	5	Nik50	600UV		
AUG 5	E0028	(N3)		20150813_045659	PER			x	x		-1.9	0.4	18	5	24	8	Nik50	600UV	exp.part	
AUG 6	E0029	N3		20150813_230141	PER	v		x	x						still		Nik50	600UV		
AUG 6	E0030	N3		20150814_013834	PER	v		x	x		-1.6	0.5	34	71	12	6	Nik50	600UV		
AUG 6	E0031	N3		20150814_020927	PER	v			x		0.2	0.2	2	64	12	2	Nik50	600UV		
AUG 6	E0032	N3		20150814_022306	PER	v		x	x		0.5	0.2	1	61	12	2	Nik50	600UV		
AUG 6	E0033	N3		20150814_022942	PER	v		x	x						still		Nik50	600UV		
AUG 6	E0034	u		20150814_033335	PER	v		x	x		-1.7	0.8	15	58	12	8	Nik50	600UV		
AUG 5	E0035	N3		20150814_040200	PER	v		x	x		-0.8	0.4	11	69	12	4	Nik50	600UV		
AUG 1	E0036	N3		20150815_013434	PER	v		x	x		-1.2	0.4	20	23	24	7	FD24	600UV		
AUG 1	E0037	um		20150815_024709	PER	v		x	x		-1.9	0.3	23	14	24	6	FD24	600UV		
AUG 1	E0038	N3		20150815_031200	ANT			x	x	x	-2.4	0.3	1	23	24	5	FD24	600UV		
AUG 1	E0039	N3		20150815_033540	PER	v		x	x		-2.2	0.4	16	24	24	8	FD24	600UV		
AUG 1	E0040	N3		20150819_222904	spo			x	x		-0.5	0.7	6	75	12	9	FD24	600UV		
AUG 1	E0041	N3		20150820_014710	J5_bPi			x	x		-0.5	0.6	4	67	12	8	FD24	600UV		
AUG 1	E0042	N3		20150820_022110	spo			x	x		-1.5	1	9	66	12	14	FD24	600UV		
AUG 2	E0043	N1		20150820_215443	PER	v		x	x		-2.2	1.6	14	23	12	20	FD24	600UV		
AUG 2	E0044	N3		20150821_035628	ERI	v		x	x		-1.8	0.3	14	41	12	5	FD24	600UV		
AUG 2	E0045	um		20150821_044224	PER	v		x	x		-0.6	0.2	17	56	12	3	FD24	600UV		
AUG 2	E0046	N6		20150821_213441	ANT			x	x		-0.8	2.3	5	39	12	30	FD24	600UV		
AUG 2	E0047	N3		20150821_230708	spo			x	x		-0.8	1.3	2	10	12	16	FD24	600UV		
AUG 2	E0048	N3		20150823_021955	ANT			x	x		0.2	0.8	8	21	30	25	FD24	600UV		
AUG 2	E0049	N1		20150823_022052	spo			x	x		-0.9	0.7	12	14	30	16	FD24	600UV		
AUG 3	E0050	N3		20150823_034316	PER	v		x	x		-1.9	0.4	13	27	30	12	FD24	600UV		
AUG 3	E0051	N3		20150826_020044	PER			x	x	x	-2.4	0.7	24	30	30	19	FD24	600UV		
AUG 3	E0052	N3	v	20150826_034908	spo	v		x	x		0	0.4	3	32	30	13	FD24	600UV		
AUG 3	E0053	N3		20150826_041044	spo	v		x	x		-0.7	0.4	13	31	30	12	FD24	600UV		
AUG 3	E0054	u		20150827_021040	spo			x	x		-1.5	1	37	42	30	83	FD24	600UV		
AUG 3	E0055	NO		20150827_025044	spo			x	x		-1	0.1	22	31	30	5	FD24	600UV		
AUG 3	E0056	N1		20150827_040640	J5_bPi			x	x		-1	0.6	9	36	30	19	FD24	600UV		
AUG 3	E0057	N3		20150828_002946	KCG			x	x		-2.2	0.6	13	8	30	18	FD24	600UV		

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							-2	-1	0	1										2
							sec.	deg/s	mm											
AUG 3	E0058	N1		20150828_005917	ANT			x	x			-1	0.5	5	9	30	17	FD24	600UV	
Sep 1	E0059	N6		20150904_010510	spo			x	x			-0.7	1.9	5	6	30	58	FD24	600UV	
Sep 1	E0060	un		20150904_043324	spo			x	x			-0.1	0.1	10	16	30	5	FD24	600UV	
Sep 1	E0061	N1		20150904_050911	AUR			x	x			-1.8	0.5	18	13	30	15	FD24	600UV	
Sep 1	E0062	N3		20150905_023219	AUR			x	x			-2.4	0.4	24	4	30	14	FD24	600UV	
Sep 1	E0063	un		20150905_032910	ANT			x	x			-0.8	0.4	5	3	30	12	FD24	600UV	
Sep 1	E0064	N3		20150906_194453	spo			x	x			-0.6	0.9	9	36	30	29	FD24	600UV	
Sep 1	E0065	un		20150906_211432	spo			x	x			0.1	0.7	4	36	30	22	FD24	600UV	
Sep 1	E0066	un		20150908_021948	spo			x	x			0.2	0.3	5	25	30	10	FD24	600UV	
Sep 2	E0067	um		20150908_023747	spo			x	x			1	0.3	4	27	30	11	FD24	600UV	
Sep 2	E0068	N3		20150908_031432	SPE	v		x	x	x		-2.2	0.6	14	30	30	18	FD24	600UV	
Sep 2	E0069	um		20150908_043930	spo			x	x			-0.2	0.3	14	48	30	8	FD24	600UV	
Sep 2	E0070	N1		20150909_034121	spo	v		x	x			-0.8	1.7	10	53	30	10	FD24	600UV	
Sep 4	E0071	um		20150909_045102	SPE			x	x			-0.7	0.1	22	44	30	5	FD24	600UV	
Sep 2	E0072	N3		20150910_010102	SPE				x			-1.8	0.2	11	19	30	7	FD24	600UV	
Sep 2	E0073	um		20150910_041207	SPE				x	x		0.4	0.1	10	66	30	5	FD24	600UV	
Sep 2	E0074	N3		20150910_042854	SPE	v	x	x				-1.5	0.2	20	67	30	8	FD24	600UV	
Sep 2	E0075	N3		20150911_035531	SPE		x	x				-2.8	0.4	13	53	30	10	FD24	600UV	
Sep 2	E0076	N3		20150911_042030	SPE			x	x			-0.1	0.2	11	61	30	6	FD24	600UV	
Sep 3	E0077	N1		20150911_044250	spo	v		x	x			0.2	0.3	4	71	30	8	FD24	600UV	
Sep 3	E0078	N3		20150911_050849	SPE	v		x	x	x		-1.8	0.5	17	29	30	16	FD24	600UV	
Sep 3	E0079	um		20150911_225340	ANT			x	x			0	0.9	3	46	30	27	FD24	600UV	
Sep 3	E0080	um		20150911_234344	SPE			x	x			-0.4	0.5	9	34	30	16	FD24	600UV	
Sep 3	E0081	N1		20150912_000902	spo			x	x			-0.4	0.2	9	40	30	6	FD24	600UV	
Sep 3	E0082	um		20150912_002616	ANT			x	x			0.6	0.8	4	42	30	25	FD24	600UV	
Sep 3	E0083	N3		20150912_025313	spo	v		x	x			-1.3	0.5	19	35	30	18	FD24	600UV	
Sep 3	E0084	um		20150912_035217	spo			x	x			-0.9	0.2	27	52	30	6	FD24	600UV	
Sep 3	E0085	um		20150912_035945	spo			x	x			-0.4	0.3	18	51	30	7	FD24	600UV	
Sep 4	E0086	um		20150912_041727	spo	v		x	x			-0.4	0.2	10	53	30	7	FD24	600UV	
Sep 4	E0087	N1		20150912_050152	SPE			x	x			-0.7	0.3	15	57	30	11	FD24	600UV	
Sep 4	E0088	N3		20150912_052254	spo			x	x			-3.1	0.4	17	3	30	14	FD24	600UV	
Sep 4	E0089	N3		20150918_004028	spo			x	x			0.7	0.6	2	17	30	19	FD24	600UV	
Sep 4	E0090	um		20150918_041646	spo	v		x	x			-0.4	0.3	5	36	30	10	FD24	600UV	
Sep 4	E0091	un		20150919_033605	spo			x	x			1.3	0.8	3	45	30	23	FD24	600UV	
Sep 4	E0092	N3		20150919_233220	spo			x	x	x		-0.1	0.9	5	48	30	27	FD24	600UV	
Sep 4	E0093	N3		20150920_010221	SPE		x					-0.1	0.5	4	36	30	15	FD24	600UV	
Sep 4	E0094	un		20150920_024630	spo			x	x			0.5	0.3	9	51	30	11	FD24	600UV	
Sep 4	E0095	N3		20150920_043656	ANT				x			-0.4	0.1	8	86	30	4	FD24	600UV	
Sep 4	E0096	um		20150922_022712	spo			x	x			-0.5	0.2	16	30	30	8	FD24	600UV	
Sep 4	E0097	N3		20150922_034036	spo			x	x			-0.2	0.2	10	58	30	8	FD24	600UV	
Sep 4	E0098	(N3)		20150925_224458	ANT			x	x			-0.9	0.1	4	3	30	4	FD24	600UV	
Oct 1	E0099	N3	v	20151002_220421	spo			x	x			-0.8	1	9	30	30	30	FD24	600UV	
Oct 1	E0100	un		20151002_235938	spo			x	x			0.3	0.7	4	23	30	22	FD24	600UV	
Oct 1	E0101	un		20151003_012507	ANT			x	x			-1.1	0.4	8	24	30	15	FD24	600UV	
Oct 1	E0102	um		20151003_021507	STA			x	x			0.6	0.2	7	33	30	7	FD24	600UV	
Oct 1	E0103	um		20151004_012741	STA			x	x			-0.8	0.2	9	26	30	7	FD24	600UV	
Oct 1	E0104	um		20151004_034713	spo			x	x			-1.3	0.2	20	20	30	6	FD24	600UV	
Oct 1	E0105	N1		20151004_184556	spo			x	x			-0.7	1	8	25	30	31	FD24	600UV	
Oct 1	E0106	N3		20151005_231041	ANT			x	x			-0.5	0.4	5	7	30	10	FD24	600UV	
Oct 1	E0107	N3		20151006_012419	spo			x	x			-1.3	0.2	14	18	30	8	FD24	600UV	
Oct 2	E0108	N3		20151006_020857	spo	v		x	x			-1.3	0.5	18	34	30	18	FD24	600UV	
Oct 2	E0109	N3		20151007_234844	spo	v		x	x			-0.2	0.6	10	38	30	18	FD24	600UV	
Oct 2	E0110	um		20151008_025005	spo			x	x			1.3	0.3	2	70	30	11	FD24	600UV	
Oct 2	E0111	N3		20151008_031957	spo	v		x	x			-1	0.6	14	87	30	18	FD24	600UV	
Oct 2	E0112	um		20151012_195520	spo			x	x			0.6	0.3	4	15	30	8	FD24	600UV	
Oct 2	E0113	un		20151012_214942	spo			x	x			1.1	0.6	4	42	30	18	FD24	600UV	
Oct 2	E0114	Fe?		20151012_224758	STA			x	x			-0.3	0.3	9	48	30	9	FD24	600UV	

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							-2	-1	0	1									
Oct 2	E0115	N3		20151012_231920	STA /ANT			x	x			-0.4	0.1	3	53	30	5	FD24	600UV
Oct 2	E0116	um		20151013_000008	spo			x	x			1.8	1	3	38	30	30	FD24	600UV
Oct 2	E0117	N3		20151013_003558	ANT			x	x			1.1	0.3	4	48	30	9	FD24	600UV
Oct 2	E0118	N1		20151013_022809	ANT			x	x			0.4	0.5	8	73	30	15	FD24	600UV
Oct 3	E0119	um		20151013_031232	spo			x	x			0.9	1.2	9	84	30	37	FD24	600UV
Oct 3	E0120	N3		20151013_032051	ORI	v		x	x			-1.2	0.6	9	91	30	16	FD24	600UV
Oct 3	E0121	un		20151013_032216	spo			x	x			2	2.1	3	89	30	54	FD24	600UV
Oct 3	E0122	Fe		20151013_230014	spo			x	x			-0.8	0.5	12	29	30	16	FD24	600UV
Oct 3	E0123	N6		20151014_013657	STA /ANT			x	x			0.9	0.9	4	51	30	24	FD24	600UV
Oct 3	E0124	N3		20151014_034426	ANT			x	x			-0.6	1.1	9	77	30	33	FD24	600UV
Oct 3	E0125	N3		20151014_225148	spo			x	x			0.6	0.5	5	50	30	15	FD24	600UV
Oct 3	E0126	N3		20151015_020332	spo		x	x				-0.6	0.9	6	62	30	28	FD24	600UV
Oct 3	E0127	N3		20151015_023557	ORI	v		x	x			-1.4	0.3	23	63	30	9	FD24	600UV
Oct 4	E0128	N3		20151015_042029	EGE	v		x	x			-1.5	0.3	16	58	30	10	FD24	600UV
Oct 4	E0129	Fe		20151016_223530	spo			x	x			-0.5	0.1	7	22	30	5	FD24	600UV
Oct 4	E0130	N7		20151016_231004	spo		x	x	x			-0.3	1.9	3	25	30	58	FD24	600UV
Oct 4	E0131	un		20151017_002104	ANT			x	x			1.3	0.7	2	24	30	21	FD24	600UV
Oct 4	E0132	N3		20151017_011258	STA /ANT			x	x			-0.5	0.7	6	29	30	24	FD24	600UV
Oct 4	E0133	un		20151017_022022	STA			x	x			0.4	0.8	7	50	30	26	FD24	600UV
Oct 4	E0134	N3		20151017_025424	STA			x	x			-0.4	0.7	7	52	30	22	FD24	600UV
Oct 4	E0135	N3		20151017_040059	OCU	v		x	x			-0.6	0.3	12	76	30	9	FD24	600UV
Oct 4	E0136	N3		20151017_234745	STA			x	x			-0.6	0.8	10	57	30	26	FD24	600UV
Oct 4	E0137	N7		20151018_010604	ANT			x	x			1.2	0.3	3	65	30	11	FD24	600UV
Oct 4	E0138	N1		20151018_011316	spo	v		x	x			-1.3	0.3	20	58	30	9	FD24	600UV
Oct 5	E0139	un		20151018_023143	NTA /ANT			x	x			0.4	0.4	8	58	30	12	FD24	600UV
Oct 5	E0140	N3		20151018_030739	STA			x	x	x		-0.8	0.3	7	66	30	10	FD24	600UV
Oct 5	E0141	N3		20151018_043024	spo	v		x	x			-0.8	0.2	22	94	30	7	FD24	600UV
Oct 5	E0142	um		20151018_045635	spo	v		x	x			-0.1	0.3	18	110	30	9	FD24	600UV
Oct 5	E0143	um		20151018_051524	EGE	v		x	x			0.2	0.1	14	125	30	5	FD24	600UV
Oct 5	E0144	N7		20151018_195044	spo	x	x					-2	0.6	7	64	30	19	FD24	600UV
Oct 6	E0145	N3		20151019_003240	STA			x	x			-0.2	1	9	60	30	32	FD24	600UV
Oct 6	E0146	um		20151019_010505	ORI	v		x	x			-0.4	0.4	23	69	30	10	FD24	600UV
Oct 6	E0147	N3		20151019_014622	spo		x	x	x			-1.2	1.1	9	46	30	35	FD24	600UV
Oct 6	E0148	N3		20151019_031433	ANT			x	x			-0.2	1	6	61	30	30	FD24	600UV
Oct 6	E0149	um		20151019_035656	spo	v		x	x			-0.4	0.4	15	60	30	12	FD24	600UV
Oct 6	E0150	um		20151019_045041	ORI			x	x			0.3	0.3	16	97	30	6	FD24	600UV
Oct 6	E0151	N3		20151019_045143	ORI	v	x	x	x			-1.2	0.3	17	101	30	11	FD24	600UV
Oct 6	E0152	N3		20151019_050038	OCU	v		x	x			-0.1	0.1	23	94	30	4	FD24	600UV
Oct 6	E0153	N3		20151019_052044	spo			x	x			0.6	0.3	3	108	30	11	FD24	600UV
Oct 7	E0154	N6		20151020_001851	spo			x	x			0.3	1.1	3	57	30	35	FD24	600UV
Oct 7	E0155	um		20151020_011539	ORI	v		x	x			-0.6	0.2	17	47	30	7	FD24	600UV
Oct 7	E0156	um		20151020_013315	ANT	v		x	x			0	0.1	12	43	30	4	FD24	600UV
Oct 7	E0157	um		20151020_015130	STA			x	x			0.9	0.4	4	49	30	14	FD24	600UV
Oct 7	E0158	um		20151020_031910	ORI			x	x			0	0.2	20	51	30	7	FD24	600UV
Oct 7	E0159	N3		20151020_032904	EGE	v		x	x			0	0.3	12	58	30	9	FD24	600UV
Oct 7	E0160	N3		20151020_231200	STA /ANT			x	x			-0.4	0.5	9	44	30	17	FD24	600UV
Oct 7	E0161	um		20151021_003250	ORI	v		x	x			-0.2	0.2	27	58	30	7	FD24	600UV
Oct 7	E0162	N3		20151021_003704	spo			x	x			-1.4	0.7	6	52	30	20	FD24	600UV
Oct 8	E0163	N3		20151021_005337	STA		x	x	x			-1.6	1.6	8	55	30	48	FD24	600UV
Oct 8	E0164	um		20151021_011335	ORI			x	x			-0.3	0.2	28	51	30	7	FD24	600UV
Oct 8	E0165	un		20151021_012311	spo			x	x			0	0.1	18	50	30	5	FD24	600UV
Oct 8	E0166	N1		20151021_015239	EGE			x	x			0	0.3	8	38	30	9	FD24	600UV
Oct 8	E0167	um		20151021_024426	ORI			x	x			-0.3	0.2	23	34	30	8	FD24	600UV
Oct 8	E0168	N3		20151021_032005	ANT		x	x				-0.1	1.4	5	33	30	42	FD24	600UV
Oct 8	E0169	um		20151021_051830	spo			x	x			-0.5	0.2	19	87	30	6	FD24	600UV
Oct 8	E0170	um		20151021_054657	ORI			x	x			-1	0.2	12	7	30	6	FD24	600UV
Oct 9	E0171	N3		20151022_004211	ORI	v		x	x			-2.4	0.3	23	8	30	11	FD24	600UV

Catalog page	ID	spe. type	unusual light curve	Local Time (JST)	shower	0557	spe. order				Mag.	Dur.	Ave. Vel.	ref. star	FPS	sN	lens	grating	note	
							-2	-1	0	1										2
							sec.	deg/s	mm											
Oct 9	E0172	N3		20151022_052602	ORI			x	x			-1.2	0.2	13	47	30	8	FD24	600UV	
Oct 9	E0173	N3	v	20151023_023334	LMI	v		x	x			-0.6	0.4	14	2	30	13	FD24	600UV	
Oct 9	E0174	N3		20151023_034452	ORI	v			x			-1.5	0.2	17	5	30	6	FD24	600UV	
Oct 9	E0175	um		20151023_040531	ORI	v		x	x			-1.6	0.2	22	1	30	7	FD24	600UV	
Oct 9	E0176	um		20151024_015133	spo			x	x			-1.1	0.1	13	20	30	3	FD24	600UV	
Oct 9	E0177	um		20151024_043404	ORI	v		x	x			-0.1	0.1	16	49	30	5	FD24	600UV	
Oct 10	E0178	N3		20151024_051518	ORI	v	x	x	x			-2	0.4	18	49	30	14	FD24	600UV	
Oct 10	E0179	N1		20151024_052027	ORI	v		x	x			-1.2	0.2	13	52	30	7	FD24	600UV	
Oct 10	E0180	N7		20151024_205504	spo		x	x				-2.3	0.7	9	10	30	23	FD24	600UV	
Oct 10	E0181	N3		20151025_205750	spo			x	x			-0.6	0.7	10	32	30	21	FD24	600UV	
Oct 10	E0182	N3		20151026_000127	ANT				x			-0.9	0.3	9	16	30	9	FD24	600UV	
Oct 10	E0183	N3		20151026_020021	STA /ANT			x	x			-0.6	0.4	9	7	30	12	FD24	600UV	
Oct 10	E0184	N3		20151026_024341	spo		x	x				-2.6	0.3	15	8	30	9	FD24	600UV	
Oct 11	E0185	N3		20151026_045237	ORI	v		x	x			-0.9	0.2	14	73	30	7	FD24	600UV	
Oct 11	E0186	N3		20151026_045933	NTA		x	x	x			-1	1.2	7	91	30	36	FD24	600UV	
Oct 11	E0187	um		20151026_053401	spo	v		x	x			-0.7	0.2	15	69	30	7	FD24	600UV	
Oct 11	E0188	N3		20151027_004920	STA /ANT			x	x			0.6	0.2	7	8	30	8	FD24	600UV	
Oct 11	E0189	Fe		20151027_010654	spo			x	x			0	0.2	2	7	30	8	FD24	600UV	
Oct 11	E0190	N3		20151027_040713	spo			x	x			0.4	0.9	4	32	30	27	FD24	600UV	
Oct 11	E0191	um		20151027_045644	LMI			x	x			-0.2	0.1	13	57	30	4	FD24	600UV	
Oct 11	E0192	um		20151027_053259	ORI			x	x			-0.6	0.1	17	77	30	3	FD24	600UV	
Oct 11	E0193	N6		20151028_225830	spo		x	x	x			-1.5	1.8	11	28	30	56	FD24	600UV	
Oct 11	E0194	um		20151029_001125	STA /ANT			x	x			-0.2	0.1	13	38	30	5	FD24	600UV	
Oct 12	E0195	N3		20151029_051317	ORI		x	x	x			-2.4	0.5	29	33	30	15	FD24	600UV	
Oct 12	E0196	N3		20151029_055013	spo			x	x			-2.7	0.2	28	10	30	7	FD24	600UV	
Oct 12	E0197	N3		20151031_214621	NTA		x	x	x			-1.4	0.7	13	23	30	22	FD24	600UV	
Oct 12	E0198	N3		20151031_231129	spo			x	x			-0.8	1.1	10	35	30	34	FD24	600UV	
Oct 12	E0199	N3	v	20151101_002720	STA			x	x			-1.5	0.6	10	16	30	19	FD24	600UV	
Oct 12	E0200	N3		20151101_013108	ANT				x			-0.8	0.2	5	13	30	8	FD24	600UV	
Nov 1	E0201	um		20151102_230155	ANT /STA			x	x			-0.2	0.3	10	50	30	10	FD24	600UV	
Nov 1	E0202	N3	v	20151102_230943	ANT /STA			x	x			-0.6	0.4	16	51	30	13	FD24	600UV	
Nov 1	E0203	N1		20151103_002849	NTA				x			-0.3	0.5	7	44	30	16	FD24	600UV	
Nov 1	E0204	Fe		20151103_003009	STA			x	x			-0.3	0.2	12	49	30	7	FD24	600UV	
Nov 1	E0205	N3		20151103_003025	STA			x	x			-1.3	0.3	9	42	30	11	FD24	600UV	
Nov 1	E0206	N3		20151103_004135	NTA				x			0.3	0.4	7	45	30	14	FD24	600UV	
Nov 1	E0207	N3		20151103_004745	STA			x	x			-0.1	1	10	35	30	30	FD24	600UV	
Nov 1	E0208	N1		20151103_004813	spo	v		x	x			-0.2	0.1	13	43	30	5	FD24	600UV	
Nov 1	E0209	N1		20151103_010822	STA			x	x			-0.1	0.4	8	46	30	12	FD24	600UV	
Nov 1	E0210	N3		20151103_020046	spo				x	x		-2.3	1.1	6	39	30	35	FD24	600UV	
Nov 2	E0211	N3		20151103_021431	ANT				x			1.6	0.5	5	35	30	14	FD24	600UV	
Nov 2	E0212	N3		20151103_024059	STA			x	x			-0.7	1.2	6	46	30	37	FD24	600UV	
Nov 2	E0213	N3		20151103_042601	LEO	v		x	x			-1.2	0.3	23	79	30	12	FD24	600UV	
Nov 2	E0214	N3		20151103_043016	STA				x			1.7	0.3	4	75	30	8	FD24	600UV	
Nov 2	E0215	N3		20151103_043748	STA			x	x			1	1.1	3	85	30	33	FD24	600UV	
Nov 2	E0216	um		20151103_045517	spo			x	x			-0.7	0.1	9	93	30	4	FD24	600UV	
Nov 2	E0217	N3		20151103_050335	STA			x	x			1.3	1.2	2	81	30	34	FD24	600UV	
Nov 2	E0218	N6		20151103_210703	STA		x	x				-1	0.1	8	33	30	5	FD24	600UV	
Nov 2	E0219	um		20151103_215933	STA			x	x			0.7	0.7	6	39	30	21	FD24	600UV	
Nov 2	E0220	N3		20151103_221503	STA				x			0.5	0.2	7	37	30	6	FD24	600UV	
Nov 3	E0221	un		20151103_232301	STA /ANT			x	x			0	0.9	4	2	30	23	FD24	600UV	
Nov 3	E0222	N3		20151104_014706	NTA		x	x	x			-1.4	0.8	9	33	30	25	FD24	600UV	
Nov 3	E0223	N3		20151104_030343	STA /ANT			x	x			0.2	0.8	6	35	30	27	FD24	600UV	
Nov 3	E0224	N3		20151104_040753	NTA /STA			x	x			-0.3	1.5	3	71	30	45	FD24	600UV	
Nov 3	E0225	N3		20151104_041813	ANT /STA		x	x	x			-0.8	1.2	4	74	30	31	FD24	600UV	
Nov 3	E0226	N3		20151104_041848	STA /ANT		x	x	x			0.5	1.3	2	69	30	40	FD24	600UV	
Nov 3	E0227	N3		20151104_053455	NTA /ANT			x	x	x		-0.9	1	6	79	30	30	FD24	600UV	
Nov 3	E0228	N3		20151105_025318	ANT				x			-2.3	0.8	5	7	30	29	FD24	600UV	



Catalog page	ID	spe. type	unusual light curve	Local Time (JST)	shower	0557	spe. order				Mag.	Dur.	Ave. Vel.	ref. star	FPS	sN	lens	grating	note
							-2	-1	0	1									
Nov 3	E0229	N3		20151105_030606	NTA		x	x				-2.2	0.4	8	12	30	14	FD24	600UV
Nov 3	E0230	N0		20151110_005258	NTA /ANT				x	x		-0.7	0.3	14	44	30	11	FD24	600UV
Nov 3	E0231	N6		20151110_005404	spo				x			0.4	0.9	8	33	30	29	FD24	600UV
Nov 3	E0232	N3		20151110_035030	ANT				x			1.6	0.3	4	77	30	7	FD24	600UV
Nov 4	E0233	N3		20151110_041828	spo				x	x		0.4	0.8	8	87	30	24	FD24	600UV
Nov 4	E0234	N3		20151110_234933	NTA /ANT				x			-1.1	0.7	9	29	30	23	FD24	600UV
Nov 4	E0235	N3		20151110_235226	spo				x	x		-3	0.6	11	31	30	18	FD24	600UV
Nov 4	E0236	N3		20151111_010524	ANT				x			0.9	0.1	7	45	30	3	FD24	600UV
Nov 4	E0237	Fe		20151111_011716	STA				x	x		-0.4	0.2	9	57	30	7	FD24	600UV
Nov 4	E0238	N3		20151111_012547	STA				x	x		0.1	0.8	7	64	30	25	FD24	600UV
Nov 4	E0239	um		20151111_012807	spo				x	x		0.5	0.7	4	63	30	23	FD24	600UV
Nov 4	E0240	um		20151111_014320	STA				x	x		0.7	0.4	5	56	30	14	FD24	600UV
Nov 4	E0241	N3		20151111_014658	NTA /ANT				x	x		0.4	0.5	7	60	30	14	FD24	600UV
Nov 4	E0242	N3		20151111_014802	ANT		x	x				-0.1	0.1	4	57	30	3	FD24	600UV
Nov 4	E0243	N3		20151111_025310	NTA				x	x		0	0.6	3	67	30	19	FD24	600UV
Nov 5	E0244	N0		20151111_031148	spo				x	x		-1.3	1.1	32	95	30	11	FD24	600UV NOO?
Nov 5	E0245	N3		20151111_033420	STA				x	x	x	0	1.7	3	97	30	52	FD24	600UV
Nov 5	E0246	N3		20151111_034155	STA		x	x				-0.4	0.7	3	101	30	24	FD24	600UV
Nov 5	E0247	um		20151111_034248	spo	v			x	x		-0.1	0.6	15	108	30	18	FD24	600UV
Nov 5	E0248	N0		20151111_035517	NOO				x	x		-0.3	0.5	11	107	30	15	FD24	600UV
Nov 5	E0249	um		20151111_054341	spo				x	x		-1.1	0.1	17	94	30	4	FD24	600UV
Nov 5	E0250	N3		20151115_184316	ANT /STA				x	x	x	-0.2	2.6	8	44	30	66	FD24	600UV
Nov 6	E0251	N3	v	20151116_025905	LEO	v			x	x		-1.6	0.3	26	62	30	11	FD24	600UV
Nov 6	E0252	um		20151116_025933	STA /NTA				x	x		0.9	0.6	4	68	30	18	FD24	600UV
Nov 6	E0253	N3		20151116_051514	HYD	v			x	x		-0.1	0.4	4	68	30	13	FD24	600UV
Nov 6	E0254	N3		20151117_000645	STA				x	x		-0.1	0.8	10	37	30	24	FD24	600UV
Nov 6	E0255	N3		20151127_060707	spo				x	x	x	-2.8	0.8	31	2	30	27	FD24	600UV
Nov 6	E0256	Fe		20151127_205145	spo				x	x		-0.1	0.1	6	56	30	5	FD24	600UV
Nov 6	E0257	N3		20151127_215144	spo		x	x				0	0.6	4	38	30	16	FD24	600UV
Nov 7	E0258	N3		20151127_215858	STA				x	x		-1	0.9	10	32	30	29	FD24	600UV
Nov 7	E0259	un		20151127_220322	spo				x	x		0.5	0.9	4	46	30	27	FD24	600UV
Nov 7	E0260	N3		20151127_222709	NTA				x	x	x	-3.7	1.8	13	33	30	54	FD24	600UV
Nov 7	E0261	N1		20151128_223428	STA				x	x		1	0.4	13	3	30	13	FD24	600UV
Nov 7	E0262	um		20151128_232517	MON				x	x		2.6	0.2	16	1	30	6	FD24	600UV
Nov 8	E0263	N3		20151128_235911	STA /ANT				x	x		2	0.7	11	1	30	23	FD24	600UV
Nov 8	E0264	um		20151129_033945	spo				x	x		-1	0.6	18	5	30	13	FD24	600UV
Nov 8	E0265	N3		20151129_045639	HYD				x	x		-1.7	0.7	12	0	30	21	FD24	600UV
Nov 8	E0266	N6	v	20151130_222653	NTA				x	x		0.3	1	11	44	30	30	FD24	600UV Mg消える
Nov 8	E0267	Fe		20151130_225249	spo				x	x		-0.4	0.4	4	39	30	10	FD24	600UV ST
Nov 8	E0268	N3		20151130_234611	ANT /STA				x	x		-0.3	0.5	10	37	30	18	FD24	600UV
Nov 8	E0269	N7		20151201_022809	STA				x	?		1.5	0.1	3	76	30	5	FD24	600UV ST
Nov 8	E0270	u		20151201_031303	spo				x	x		0.4	0.8	5	94	30	24	FD24	600UV
Nov 8	E0271	um		20151201_052333	PSU				x	x		-0.3	0.1	24	57	30	3	FD24	600UV
Nov 8	E0272	N1		20151201_055713	PSU	v			x	x	x	-2.2	0.2	18	37	30	8	FD24	600UV
Dec 1	E0273	um		20151201_235306	spo				x	x		-0.1	0.7	7	21	30	21	FD24	600UV
Dec 1	E0274	um		20151202_005040	NOO				x	x		-0.3	0.2	17	27	30	6	FD24	600UV
Dec 1	E0275	N3		20151202_025401	STA				x	x		0.4	1.5	3	58	30	47	FD24	600UV
Dec 1	E0276	N3		20151204_014818	spo				x	x		0.1	1.5	9	80	30	47	FD24	600UV
Dec 1	E0277	N3		20151204_055532	STA /ANT				x	x		-1.2	2.4	10	12	30	80	FD24	600UV
Dec 1	E0278	N7		20151207_195612	spo				x	x		0.5	0.1	15	55	30	4	FD24	600UV
Dec 1	E0279	Fe		20151207_195626	spo				x	x		-1	0.2	7	53	30	6	FD24	600UV
Dec 1	E0280	N3		20151208_004044	spo				x	x		0	0.6	7	34	30	19	FD24	600UV
Dec 1	E0281	N1		20151208_012021	GEM				x	x		-1.3	0.4	14	52	30	12	FD24	600UV
Dec 2	E0282	um		20151208_022220	MON				x	x		-0.2	0.4	9	92	30	13	FD24	600UV
Dec 2	E0283	um		20151208_022803	NOO				x	x		0.7	0.2	10	84	30	7	FD24	600UV
Dec 2	E0284	N3		20151208_023510	spo	v			x	x		-0.4	0.2	12	94	30	8	FD24	600UV
Dec 2	E0285	N3		20151208_024005	HYD	v			x	x		-1.8	0.6	18	84	30	20	FD24	600UV

Catalog page	ID	spe. type	unusual light curve	Local Time (JST)	shower	0557	spe. order				Mag.	Dur.	Ave. Vel.	ref. star	FPS	sN	lens	grating	note	
							-2	-1	0	1										2
							sec.	deg/s	mm											
Dec 2	E0286	um		20151208_032858	ANT			x	x		0.7	0.2	10	107	30	7	FD24	600UV		
Dec 2	E0287	um		20151208_034545	PSU			x	x		-2.3	2.2	22	100	30	8	FD24	600UV		
Dec 2	E0288	N3		20151208_041807	ANT			x	x		0	1.3	3	91	30	41	FD24	600UV		
Dec 2	E0289	um		20151208_043853	DAD			x	x		0	0.1	16	85	30	3	FD24	600UV		
Dec 2	E0290	um		20151208_050905	spo			x	x		-0.9	0.1	18	71	30	3	FD24	600UV		
Dec 2	E0291	N3		20151208_052025	HYD	v			x		-0.4	0.1	9	68	30	5	FD24	600UV		
Dec 2	E0292	N1		20151208_055443	spo			x	x		-0.1	0.6	12	55	30	20	FD24	600UV		
Dec 2	E0293	N6		20151208_214215	STA/ANT		x	x			-0.5	0.3	7	49	30	8	FD24	600UV		
Dec 3	E0294	N3		20151208_230433	STA/NOO			x	x		-0.3	0.3	10	40	30	10	FD24	600UV		
Dec 3	E0295	N1		20151209_001605	HYD/MON			x	x		-0.6	0.4	16	52	30	12	FD24	600UV		
Dec 3	E0296	N3		20151209_010745	spo	v		x	x		-1.6	2	25	41	30	62	FD24	600UV		
Dec 3	E0297	N1		20151209_014945	HYD	v		x	x		-1	0.3	20	84	30	9	FD24	600UV		
Dec 4	E0298	N1		20151209_021359	HYD	v		x	x		-1.1	0.4	25	108	30	13	FD24	600UV		
Dec 4	E0299	Fe		20151209_050610	spo			x	x		-1	0.2	20	69	30	7	FD24	600UV		
Dec 4	E0300	um		20151211_040605	GEM			x	x		0.2	0.2	9	119	30	7	FD24	600UV		
Dec 4	E0301	um		20151211_041720	GEM			x	x		0.9	0.3	6	108	30	10	FD24	600UV		
Dec 4	E0302	um		20151211_042117	HYD	v		x	x		-0.2	0.5	12	56	30	15	FD24	600UV		
Dec 4	E0303	um		20151211_042226	spo			x	x		0.2	0.1	11	111	30	5	FD24	600UV		
Dec 4	E0304	N6		20151212_015319	spo			x	x		0	1.3	5	84	30	39	FD24	600UV		
Dec 4	E0305	N3		20151212_023150	MON/STA			x	x		0	0.3	9	97	30	11	FD24	600UV		
Dec 4	E0306	N1		20151212_023306	GEM			x	x		-0.2	0.6	9	99	30	18	FD24	600UV		
Dec 4	E0307	N3		20151212_024417	GEM		x	x	x		-1	0.9	17	94	30	29	FD24	600UV		
Dec 5	E0308	N1		20151212_025040	HYD	v		x	x		-0.5	0.3	10	90	30	10	FD24	600UV		
Dec 5	E0309	um		20151212_031507	GEM			x	x		0.6	0.2	10	88	30	7	FD24	600UV		
Dec 5	E0310	um		20151212_035749	GEM			x	x		-0.9	0.1	17	10	30	4	FD24	600UV		
Dec 5	E0311	N3		20151213_030802	GEM		x				1.5	0.2	11	1	30	8	FD85	600UV		
Dec 10	E0312	um		20151214_013155	GEM			x	x						still		FD24	600UV		
Dec 5	E0313	um		20151214_052858	GEM			x	x		-0.5	0.5	7	4	30	15	FD24	600UV		
Dec 5	E0314	N3		20151214_054456	GEM		x	x			0.4	0.6	5	51	30	18	FD24	600UV		
Dec 5	E0315	un		20151214_061002	GEM			x	x		1	0.6	3	38	30	19	FD24	600UV		
Dec 5	E0316	um		20151214_061935	GEM			x	x		-0.1	0.4	7	13	30	14	FD24	600UV		
Dec 5	E0317	um		20151214_062002	GEM			x	x		-0.5	0.6	9	17	30	19	FD24	600UV		
Dec 5	E0318	um		20151214_062331	GEM			x	x		0.5	0.7	3	9	30	23	FD24	600UV		
Dec 5	E0319	N3		20151216_012641	GEM		x	x			0.1	0.2	15	89	30	8	FD24	600UV		
Dec 5	E0320	N3		20151216_013319	GEM			x	x	x	-1.5	0.7	14	96	30	21	FD24	600UV		
Dec 6	E0321	um		20151216_015119	GEM			x	x		0.1	0.2	13	89	30	8	FD24	600UV		
Dec 6	E0322	um		20151216_020111	spo			x	x		0.3	0.1	13	86	30	5	FD24	600UV		
Dec 6	E0323	N3		20151216_022147	GEM			x	x		-0.8	0.4	15	98	30	9	FD24	600UV		
Dec 6	E0324	N3		20151216_023229	GEM			x	x	x	-0.9	0.6	10	101	30	18	FD24	600UV		
Dec 6	E0325	un		20151216_024846	GEM			x	x		0.1	0.2	10	102	30	6	FD24	600UV		
Dec 6	E0326	N6	v	20151216_025429	spo		x	x			1.4	0.7	4	99	30	22	FD24	600UV		
Dec 6	E0327	um		20151216_030434	GEM			x	x		1.2	0.1	10	94	30	3	FD24	600UV		
Dec 6	E0328	um		20151216_035235	GEM			x	x		0.5	0.3	4	51	30	11	FD24	600UV		
Dec 6	E0329	N3		20151216_040006	spo	v		x	x		-1	0.1	24	38	30	5	FD24	600UV		
Dec 6	E0330	um		20151216_225346	spo			x	x		0	0.1	23	52	30	5	FD24	600UV		
Dec 6	E0331	Fe		20151216_235755	NTA			x	x		0	0.1	8	65	30	5	FD24	600UV spo?		
Dec 6	E0332	Fe		20151217_004204	spo			x	x		0	0.8	5	103	30	25	FD24	600UV		
Dec 7	E0333	N3		20151217_005847	HYD	v		x	x		-0.8	0.3	21	87	30	9	FD24	600UV		
Dec 7	E0334	N1		20151217_011344	GEM			x	x		-0.6	0.3	13	109	30	11	FD24	600UV		
Dec 7	E0335	N3		20151217_013109	URS			x	x		0	0.9	12	89	30	29	FD24	600UV		
Dec 7	E0336	N1		20151217_033228	COM	v		x	x		-1	0.2	24	113	30	7	FD24	600UV		
Dec 7	E0337	N1		20151217_034038	spo			x	x		0.3	0.2	13	120	30	6	FD24	600UV		
Dec 7	E0338	N1		20151217_040521	COM			x	x		0.6	0.1	14	89	30	4	FD24	600UV		
Dec 7	E0339	Fe		20151217_042040	spo			x	x		0.5	0.3	4	88	30	10	FD24	600UV		
Dec 7	E0340	N3		20151218_225802	ANT/GEM			x	x		-0.1	0.6	9	28	30	18	FD24	600UV		
Dec 8	E0341	N3		20151218_231841	COM		x	x	x		-2.2	1.1	20	50	30	35	FD24	600UV		
Dec 7	E0342	N1		20151219_001548	GEM			x	x		-0.2	0.3	16	68	30	10	FD24	600UV		

Catalog page	ID	spe. type	unusual light curve	Local Time (JST)	shower	0557	spe. order				Mag.	Dur.	Ave. Vel.	ref. star	FPS	sN	lens	grating	note
							-2	-1	0	1									
Dec 8	E0343	um		20151219_003046	MON			x	x			0.1	0.3	17	89	30	10	FD24	600UV
Dec 8	E0344	um		20151219_052715	spo	v		x	x			-0.5	0.3	24	57	30	10	FD24	600UV
Dec 8	E0345	N1		20151219_054133	spo	v		x	x			-0.4	0.4	7	51	30	13	FD24	600UV
Dec 8	E0346	um		20151220_021452	spo	v		x	x			0.2	1.1	11	112	30	11	FD24	600UV
Dec 8	E0347	N3		20151220_031015	COM	v			x			-1.2	0.3	14	99	30	9	FD24	600UV
Dec 8	E0348	N3		20151220_033826	spo		x	x				-1.3	0.3	22	94	30	11	FD24	600UV
Dec 9	E0349	N3		20151220_043306	ANT /STA		x					-1.6	0.5	10	73	30	15	FD24	600UV
Dec 9	E0350	N6		20151222_010918	URS			x	x			0.6	0.6	7	46	30	18	FD24	600UV
Dec 9	E0351	N3		20151224_030353	COM	v		x	x			-2.7	0.2	25	47	30	8	FD24	600UV
Dec 9	E0352	N1		20151224_041324	spo			x	x			-0.9	0.2	16	17	30	7	FD24	600UV
Dec 9	E0353	N3		20151224_052731	COM			x	x			-2	0.2	12	58	30	9	FD24	600UV
Dec 9	E0354	um		20151226_020323	COM			x	x			-0.3	0.1	18	35	30	3	FD24	600UV
Dec 9	E0355	um		20151226_020604	ANT			x	x			0.8	0.4	7	34	30	13	FD24	600UV
Dec 9	E0356	N3		20151226_062625	spo	x	x					-0.5	1.9	6	11	30	56	FD24	600UV
Dec 10	E0357	Fe		20151228_061042	ANT			x	x			-0.9	0.3	13	7	30	9	FD24	600UV
Dec 10	E0358	N1		20151228_235802	HYD			x	x			-0.8	0.3	14	58	30	10	FD24	600UV
Dec 10	E0359	N3	v	20151229_044213	spo	v			x			-2	0.1	16	35	30	5	FD24	600UV
Dec 10	E0360	N3		20151229_044859	COM	v	x	x	x			-1	0.2	17	37	30	8	FD24	600UV
Dec 10	E0361	un		20151229_205705	spo			x	x			0.9	1	5	90	30	30	FD24	600UV
Dec 10	E0362	um		20151229_212410	COM	v		x	x			0.1	0.2	23	75	30	8	FD24	600UV
Dec 11	E0363	N3		20151217_235545	GEM			x	x			-0.8	1.7	9	72	30	53	FD24	600UV
Dec 11	E0364	um		20151218_002235	ANT			x	x			0.3	0.3	15	85	30	9	FD24	600UV
Dec 11	E0365	um		20151218_022421	COM	v		x	x			-0.1	0.2	23	130	30	6	FD24	600UV
Dec 11	E0366	um		20151218_042247	COM	v		x	x			-0.5	0.4	21	83	30	12	FD24	600UV
Dec 11	E0367	Fe		20151218_044706	MON			x	x			1	0.4	2	89	30	13	FD24	600UV
Dec 11	E0368	um		20151218_051554	DAD			x	x			0.3	0.2	23	74	30	7	FD24	600UV
Dec 11	E0369	N3		20151218_054825	spo	v		x	x			-0.3	0.1	16	87	30	3	FD24	600UV