DATE : 07.11/08.11−2021
PROGRAMS : SRG Accompanying: optical identification of the most massive distant Spectroscopy of giant LSB galaxies
AUTHORS : Burenin Saburova
OBSERVERS : Dodonov Kotov
INSTRUMENT : SCORPIO−2
MODES : Spectra ImaSlit Image
DETECTOR : E2V CCD261−84
Tmirr : 0.0... 7.4
Tdome : 0.0... 9.1
Tatm : 0.0... 6.2
<Tmir−Tatm>: 2.6
WIND : 0.0... 2.0 m/s
PATH : s211107

FILE	OBJECT	TYPE	START	Texp	MODE	DISPERSER	SLIT	PHASE PLATES	FILTERS	MASK	RA_apparent	DEC_apparent	SEEING	Z	A	P2	Ptb	COMMENT
s19520101	Bias2x2l/n	bias	16:51:04	0.0	Spectra	VPHG1026@735	7.01				11:27:55.14	+39:53:55.0		82	140	37.1	123.5	
s19520102	Bias2x2l/n	bias	16:51:17	0.0	Spectra	VPHG1026@735	7.01				11:27:55.14	+39:53:55.0		82	140	37.1	123.5	
s19520103	Bias2x2l/n	bias	16:51:31	0.0	Spectra	VPHG1026@735	7.01				11:27:55.14	+39:53:55.0		82	140	37.1	123.5	
s19520104	Bias2x2l/n	bias	16:51:45	0.0	Spectra	VPHG1026@735	7.01				23:04:45.51	−22:06:23.7		79	−44	325.9	123.5	
s19520105	Bias2x2l/n	bias	16:51:59	0.0	Spectra	VPHG1026@735	7.01				23:05:00.35	−22:06:19.8		79	−44	325.9	123.5	
s19520106	Bias2x2l/n	bias	16:52:13	0.0	Spectra	VPHG1026@735	7.01				23:05:15.21	−22:06:17.4		79	−44	325.8	123.5	
s19520107	Bias2x2l/n	bias	16:52:27	0.0	Spectra	VPHG1026@735	7.01				23:05:29.92	−22:06:18.3		79	−44	325.8	123.5	
s19520108	Bias2x2l/n	bias	16:52:41	0.0	Spectra	VPHG1026@735	7.01				23:05:44.55	−22:06:21.4		79	−44	325.8	123.5	
s19520109	Bias2x2l/n	bias	16:52:55	0.0	Spectra	VPHG1026@735	7.01				23:05:58.99	−22:06:25.4		79	−44	325.8	123.5	
s19520110	Bias2x2l/n	bias	16:53:09	0.0	Spectra	VPHG1026@735	7.01				0	0		0	0	0.0	0.0	
s19520111	Bias2x2l/n	bias	16:53:22	0.0	Spectra	VPHG1026@735	7.01				23:06:26.75	−22:06:34.9		79	−44	325.8	123.5	
s19520112	Bias2x2l/n	bias	16:53:36	0.0	Spectra	VPHG1026@735	7.01				23:06:41.24	−22:06:40.5		79	−44	325.8	123.5	
s19520113	Bias2x2l/n	bias	16:53:50	0.0	Spectra	VPHG1026@735	7.01				23:06:55.62	−22:06:46.7		79	−44	325.8	123.5	
s19520114	Bias2x2l/n	bias	16:54:04	0.0	Spectra	VPHG1026@735	7.01				23:07:10.13	−22:06:53.4		79	−44	325.8	123.5	
s19520115	Bias2x2l/n	bias	16:54:17	0.0	Spectra	VPHG1026@735	7.01				23:07:23.52	−22:07:00.3		79	−44	325.8	123.5	
s19520116	Bias2x2l/n	bias	16:54:31	0.0	Spectra	VPHG1026@735	7.01				23:07:37.98	−22:07:08.6		79	−44	325.8	123.5	
s19520117	Bias2x2l/n	bias	16:54:45	0.0	Spectra	VPHG1026@735	7.01				23:07:52.50	−22:07:18.2		79	−44	325.8	123.5	
s19520118	Bias2x2l/n	bias	16:54:59	0.0	Spectra	VPHG1026@735	7.01				23:08:07.20	−22:07:29.7		79	−44	325.8	123.5	
s19520119	Bias2x2l/n	bias	16:55:13	0.0	Spectra	VPHG1026@735	7.01				23:08:21.86	−22:07:42.5		79	−44	325.8	123.5	
s19520120	Bias2x2l/n	bias	16:55:26	0.0	Spectra	VPHG1026@735	7.01				23:08:35.47	−22:07:54.2		79	−44	325.8	123.5	
s19520121	Bias1x2h/n	bias	17:12:45	0.0	Spectra	VPHG1026@735	1.01				23:11:33.15	−22:10:04.1		78	−42	327.7	123.5	
s19520122	Bias1x2h/n	bias	17:13:45	0.0	Spectra	VPHG1026@735	1.01				23:11:33.15	−22:10:04.1		78	−41	327.9	123.5	
s19520123	Bias1x2h/n	bias	17:14:12	0.0	Spectra	VPHG1026@735	1.01				23:11:33.15	−22:10:04.1		78	−41	327.9	123.5	
s19520124	Bias1x2h/n	bias	17:14:40	0.0	Spectra	VPHG1026@735	1.01				23:11:33.15	−22:10:04.1		77	−41	328.0	123.5	
s19520125	Bias1x2h/n	bias	17:15:08	0.0	Spectra	VPHG1026@735	1.01				23:11:33.15	−22:10:04.1		77	−41	328.1	123.5	
s19520126	Bias1x2h/n	bias	17:15:35	0.0	Spectra	VPHG1026@735	1.01				23:11:33.15	−22:10:04.1		77	−41	328.1	123.5	
s19520127	Bias1x2h/n	bias	17:16:03	0.0	Spectra	VPHG1026@735	1.01				23:11:33.15	−22:10:04.1		77	−41	328.2	123.5	
s19520128	Bias1x2h/n	bias	17:16:30	0.0	Spectra	VPHG1026@735	1.01				23:11:33.15	−22:10:04.1		77	−41	328.2	123.5	
s19520129	Bias1x2h/n	bias	17:16:58	0.0	Spectra	VPHG1026@735	1.01				23:11:33.15	−22:10:04.1		77	−41	328.3	123.5	
s19520130	Bias1x2h/n	bias	17:17:25	0.0	Spectra	VPHG1026@735	1.01				23:11:33.15	−22:10:04.1		77	−41	328.4	123.5	
s19520131	Bias1x2h/n	bias	17:17:53	0.0	Spectra	VPHG1026@735	1.01				23:11:33.15	−22:10:04.1		77	−41	328.4	123.5	
s19520132	Bias1x2h/n	bias	17:18:20	0.0	Spectra	VPHG1026@735	1.01				23:11:33.15	−22:10:04.1		77	−42	328.5	123.5	
s19520133	Bias1x2h/n	bias	17:18:48	0.0	Spectra	VPHG1026@735	1.01				23:11:33.15	−22:10:04.1		77	−40	328.6	123.5	
s19520134	Bias1x2h/n	bias	17:19:15	0.0	Spectra	VPHG1026@735	1.01				23:11:33.15	−22:10:04.1		77	−40	328.6	123.5	
s19520135	Bias1x2h/n	bias	17:19:42	0.0	Spectra	VPHG1026@735	1.01				23:11:33.15	−22:10:04.1		77	−40	328.7	123.5	
s19520136	Bias1x2h/n	bias	17:20:10	0.0	Spectra	VPHG1026@735	1.01				23:11:33.15	−22:10:04.1		77	−40	328.7	123.5	

s19520137	Bias1x2h/n	bias	17:20:37	0.0	Spectra	VPHG1026@735	1.01					23:11:33.15	−22:10:04.1		77	−40	328.8	123.5
s19520138	Bias1x2h/n	bias	17:21:05	0.0	Spectra	VPHG1026@735	1.01					23:11:33.15	−22:10:04.1		77	−40	328.9	123.5
s19520139	Bias1x2h/n	bias	17:21:33	0.0	Spectra	VPHG1026@735	1.01					22:00:41.22	+26:32:23.5		27	−58	315.6	123.5
s19520140	Bias1x2h/n	bias	17:22:00	0.0	Spectra	VPHG1026@735	1.01					22:00:41.22	+26:32:23.5		27	−58	315.7	123.5
s19520141	slitpos	neon	17:24:36	3	ImaSlit		1.01			V		22:00:41.22	+26:32:23.5		26	−57	316.2	123.5
s19520201	bd+25d4655	obj	17:47:31	1	Image		1.01			R		22:00:40.21	+26:32:14.1		23	−48	321.9	129.2
s19520202	bd+25d4655	obj	17:53:59	1	Image		1.01			R		22:00:40.20	+26:32:13.9		22	−45	323.9	131.2
s19520203	bd+25d4655	obj	17:54:45	1	Image		1.01			R		22:00:40.22	+26:32:14.1		22	−45	324.2	131.4
s19520204	bd+25d4655	obj	17:57:22	15	Spectra	VPHG940@600	1.01					22:00:40.24	+26:32:14.7		22	−44	325.1	132.3
s19520205	bd+25d4655	obj	17:58:05	15	Spectra	VPHG940@600	1.01					22:00:40.24	+26:32:14.8		22	−43	325.3	132.5
s19520206	bd+25d4655	obj	17:58:47	15	Spectra	VPHG940@600	1.01					22:00:40.24	+26:32:14.6		21	−43	325.5	132.8
s19520207	bd+25d4655	neon	17:59:45	30	Spectra	VPHG940@600	1.01					22:00:40.26	+26:32:14.5		21	−42	325.9	133.1
s19520208	bd+25d4655	flat	18:00:46	15	Spectra	VPHG940@600	1.01					22:00:40.26	+26:32:14.5		21	−42	326.2	133.5
s19520209	bd+25d4655	flat	18:01:18	15	Spectra	VPHG940@600	1.01					22:00:40.26	+26:32:14.5		21	−42	326.4	133.7
s19520210	bd+25d4655	obj	18:02:29	7	Spectra	VPHG940@600	7.01					22:00:40.25	+26:32:14.7		21	−41	326.9	134.1
s19520211	bd+25d4655	obj	18:03:22	7	Spectra	VPHG940@600	7.01					22:00:40.26	+26:32:15.3		21	−41	327.2	134.4
s19520212	bd+25d4655	obj	18:03:57	7	Spectra	VPHG940@600	7.01					22:00:40.27	+26:32:15.6		21	−40	327.4	134.6
s19520301	bd+25d4655	obj	18:05:57	15	Spectra	VPHG1200@540	1.01					22:00:40.30	+26:32:15.3	1.5	21	−39	328.2	135.4
s19520302	bd+25d4655	obj	18:06:57	15	Spectra	VPHG1200@540	1.01					22:00:40.27	+26:32:15.5	1.5	20	−39	328.5	135.8
s19520303	bd+25d4655	obj	18:07:39	15	Spectra	VPHG1200@540	1.01					22:00:40.27	+26:32:15.7	1.5	20	−38	328.8	136.1
s19520304	bd+25d4655	neon	18:10:02	30	Spectra	VPHG1200@540	1.01					22:00:40.26	+26:32:15.9	1.5	20	−37	329.8	137.0
s19520305	bd+25d4655	flat	18:12:12	30	Spectra	VPHG1200@540	1.01					22:00:40.26	+26:32:15.9	1.5	20	−36	330.6	137.9
s19520306	bd+25d4655	flat	18:13:17	30	Spectra	VPHG1200@540	1.01					22:00:40.26	+26:32:15.9	1.5	20	−35	331.1	138.3
s19520307	bd+25d4655	obj	18:14:37	7	Spectra	VPHG1200@540	7.01					22:00:40.26	+26:32:16.3	1.5	20	−34	331.7	138.9
s19520308	bd+25d4655	obj	18:15:12	7	Spectra	VPHG1200@540	7.01					22:00:40.27	+26:32:16.5	1.5	20	−34	331.9	139.2
s19520309	bd+25d4655	obj	18:15:46	7	Spectra	VPHG1200@540	7.01					22:00:40.28	+26:32:16.3	1.5	19	−34	332.2	139.4
s19520401	bd+25d4655	obj	18:17:10	15	Spectra	VPHG1026@735	1.01					22:00:40.28	+26:32:16.5	1.5	19	−33	332.8	140.0
s19520402	bd+25d4655	obj	18:18:14	15	Spectra	VPHG1026@735	1.01					22:00:40.30	+26:32:16.4	1.5	19	−32	333.2	140.5
s19520403	bd+25d4655	obj	18:18:56	15	Spectra	VPHG1026@735	1.01					22:00:40.30	+26:32:16.6	1.5	19	−32	333.6	140.8
s19520404	bd+25d4655	neon	18:20:49	30	Spectra	VPHG1026@735	1.01					22:00:40.29	+26:32:17.1	1.5	19	−31	334.4	141.7
s19520405	bd+25d4655	flat	18:21:49	20	Spectra	VPHG1026@735	1.01					22:00:40.29	+26:32:17.1	1.5	19	−30	334.9	142.1
s19520406	bd+25d4655	flat	18:27:39	20	Spectra	VPHG1026@735	1.01					22:00:40.34	+26:32:17.2	1.5	18	−28	337.7	144.9
s19520407	bd+25d4655	obj	18:28:39	7	Spectra	VPHG1026@735	7.01					22:00:40.34	+26:32:17.2	1.5	18	−26	338.2	145.4
s19520408	bd+25d4655	obj	18:29:13	7	Spectra	VPHG1026@735	7.01					22:00:40.34	+26:32:17.7	1.5	18	−27	338.5	145.7
s19520409	bd+25d4655	obj	18:29:48	7	Spectra	VPHG1026@735	7.01					22:00:40.35	+26:32:17.8	1.5	18	−25	338.8	146.0
s19520410	bd+25d4655	obj	18:26:43	7	Spectra	VPHG1026@735	7.01					22:00:40.35	+26:32:17.0	1.5	18	−27	337.2	144.5
s19520501	SRGe1708+6416_98	obj	18:38:17	5	Image		1.01			R		17:08:58.36	+64:15:13.4	1.5	41	143	87.1	146.1
s19520502	SRGe1708+6416_98	obj	18:39:30	5	Image		1.01			R		17:08:58.05	+64:15:20.5	1.5	41	143	86.9	145.8
s19520503	SRGe1708+6416_98	obj	18:40:06	5	Image		1.01			R		17:08:57.92	+64:15:20.8	1.5	41	143	86.7	145.7
s19520504	SRGe1708+6416_98	obj	18:41:15	300	Spectra	VPHG940@600	1.01					17:08:57.89	+64:15:21.0	1.5	41	143	86.5	145.4
s19520505	SRGe1708+6416_98	obj	18:47:33	300	Spectra	VPHG940@600	1.01					17:08:57.81	+64:15:20.8	1.5	42	143	85.1	144.1
s19520506	SRGe1708+6416_98	obj	18:53:25	300	Spectra	VPHG940@600	1.01					17:08:57.70	+64:15:20.8	1.5	42	143	83.9	142.8
s19520507	SRGe1708+6416_98	obj	18:58:53	300	Spectra	VPHG940@600	1.01					17:08:57.74	+64:15:20.8	1.5	43	143	82.7	141.7
s19520508	SRGe1708+6416_98	neon	19:07:38	30	Spectra	VPHG940@600	1.01					17:08:57.68	+64:15:21.0	1.5	44	143	80.9	139.8
s19520509	SRGe1708+6416_98	flat	19:08:44	20	Spectra	VPHG940@600	1.01					17:08:57.68	+64:15:21.0	1.5	44	143	80.6	139.6
s19520510	SRGe1708+6416_98	flat	19:09:40	20	Spectra	VPHG940@600	1.01				13 dots	17:08:57.68	+64:15:21.0	1.5	44	143	80.5	139.4
s19520601	SRGej163333.3+7042	obj	19:21:08	10	Image		1.01			R		16:33:17.45	+70:40:13.3	1.5	47	153	76.4	137.1
s19520602	SRGej163333.3+7042	obj	19:22:42	10	Image		1.01			R		16:33:17.29	+70:40:15.7	1.5	47	153	76.0	136.8
s19520603	SRGej163333.3+7042	obj	19:26:11	900	Spectra	VPHG940@600	1.01					16:33:17.27	+70:40:15.7	1.5	48	153	75.3	136.0
s19520604	SRGej163333.3+7042	obj	19:42:15	900	Spectra	VPHG940@600	1.01					16:33:17.12	+70:40:15.1	1.5	49	154	71.8	132.5

s19520605	SRGej163333.3+7042	obj	19:57:43	900	Spectra	VPHG940@600	1.01					16:33:16.96	+70:40:14.2	1.5	50	154	68.5	129.2
s19520606	SRGej163333.3+7042	obj	20:13:11	900	Spectra	VPHG940@600	1.01					16:33:16.98	+70:40:13.3	1.5	51	155	65.3	126.0
s19520607	SRGej163333.3+7042	neon	20:29:36	30	Spectra	VPHG940@600	1.01					16:33:16.82	+70:40:13.0	1.5	53	156	61.8	122.6
s19520608	SRGej163333.3+7042	flat	20:30:39	20	Spectra	VPHG940@600	1.01					16:33:16.82	+70:40:13.0	1.5	53	156	61.6	122.3
s19520609	SRGej163333.3+7042	flat	20:31:44	20	Spectra	VPHG940@600	1.01				13 dots	16:33:16.82	+70:40:13.0	1.5	53	156	61.4	122.1
s19520701	CL2254+1016	obj	20:41:04	30	Image		1.01		I			22:55:26.43	+10:23:26.7	1.5	34	17	12.8	260.5
s19520801	CL2322.1+3941	obj	21:05:26	20	Image		1.01		R			23:23:06.68	+39:49:06.1	1.5	7	63	57.7	160.6
s19520802	CL2322.1+3941	obj	21:08:20	20	Image		1.01		R			23:23:06.28	+39:49:08.8	1.5	8	65	59.3	162.2
s19520803	CL2322.1+3941	obj	21:13:43	900	Spectra	VPHG940@600	1.97					23:23:06.22	+39:49:08.1	1.5	9	69	61.8	164.6
s19520804	CL2322.1+3941	obj	21:29:49	900	Spectra	VPHG940@600	1.97					23:23:06.03	+39:49:05.5	1.5	11	76	66.4	169.3
s19520805	CL2322.1+3941	obj	21:45:17	900	Spectra	VPHG940@600	1.97					23:23:05.86	+39:49:03.9	1.5	14	81	68.7	171.6
s19520806	CL2322.1+3941	obj	22:00:45	900	Spectra	VPHG940@600	1.97					23:23:05.65	+39:49:02.8	1.5	17	85	69.9	172.7
s19520807	CL2322.1+3941	obj	22:18:33	900	Spectra	VPHG940@600	1.97					23:23:05.41	+39:49:01.8	1.5	20	88	70.4	173.2
s19520808	CL2322.1+3941	obj	22:34:00	900	Spectra	VPHG940@600	1.97					23:23:05.13	+39:49:00.8	1.5	23	91	70.3	173.2
s19520809	CL2322.1+3941	neon	22:50:22	30	Spectra	VPHG940@600	1.97					23:23:04.92	+39:49:00.1	1.5	26	94	70.0	172.9
s19520810	CL2322.1+3941	flat	22:51:57	20	Spectra	VPHG940@600	1.97				13 dots	23:23:04.92	+39:49:00.1	1.5	26	94	69.9	172.8
s19520811	CL2322.1+3941	flat	22:52:57	20	Spectra	VPHG940@600	1.97					23:23:04.92	+39:49:00.1	1.5	26	94	69.9	172.8
s19520812	CL2322.1+3941	flat	22:53:35	20	Spectra	VPHG940@600	1.97					23:23:04.92	+39:49:00.1	1.5	27	94	69.9	172.8
s19520901	2MASX J02300-02404	obj	23:00:37	10	Image		1.97		R			02:31:12.82	-02:35:01.3	1.5	46	-11	351.1	147.5
s19520902	2MASX J02300-02404	obj	23:02:53	10	Image		1.97		R			02:31:12.76	-02:35:01.9	1.5	46	-10	351.7	148.0
s19520903	2MASX J02300-02404	obj	23:04:15	900	Spectra	VPHG1200@540	1.01					02:31:12.77	-02:35:01.8	1.5	46	-10	352.0	148.4
s19520904	2MASX J02300-02404	obj	23:22:41	900	Spectra	VPHG1200@540	1.01					02:31:12.78	-02:35:02.0	1.5	46	-3	356.6	152.9
s19520905	2MASX J02300-02404	obj	23:38:35	900	Spectra	VPHG1200@540	1.01					02:31:12.76	-02:35:01.9	1.5	46	0	0.5	156.9
s19520906	2MASX J02300-02404	obj	23:54:54	900	Spectra	VPHG1200@540	1.01					02:31:12.76	-02:35:01.9	1.5	46	6	4.6	161.0
s19520907	2MASX J02300-02404	neon	00:14:07	30	Spectra	VPHG1200@540	1.01					02:31:12.76	-02:35:01.9	1.5	46	12	9.3	165.7
s19520908	2MASX J02300-02404	flat	00:15:03	20	Spectra	VPHG1200@540	1.01				13 dots	02:31:12.76	-02:35:01.9	1.5	47	13	9.6	165.9
s19520909	2MASX J02300-02404	flat	00:16:17	20	Spectra	VPHG1200@540	1.01					02:31:12.76	-02:35:01.9	1.5	47	13	9.9	166.2
s19520910	2MASX J02300-02404	flat	00:16:54	20	Spectra	VPHG1200@540	1.01					02:31:12.76	-02:35:01.9	1.5	47	13	10.0	166.4
s19520911	2MASX J02300-02404	obj	00:21:34	10	Image		1.01		R			02:31:12.67	-02:35:02.5	1.5	47	15	11.1	167.5
s19520912	2MASX J02300-02404	obj	00:22:08	10	Image		1.01		R			02:31:12.69	-02:35:02.4	1.5	47	15	11.3	167.6
s19520913	2MASX J02300-02404	obj	00:27:18	10	Image		1.01		R			02:31:12.69	-02:35:02.4	1.5	47	17	12.5	168.8
s19520914	2MASX J02300-02404	obj	00:31:07	10	Image		1.01		R			02:31:12.69	-02:35:02.4	1.5	47	18	13.4	169.7
s19520915	2MASX J02300-02404	obj	00:33:44	10	Image		1.01		R			02:31:12.64	-02:35:02.9	1.5	47	19	14.0	170.3
s19520916	2MASX J02300-02404	obj	00:34:35	900	Spectra	VPHG1200@540	1.01					02:31:12.64	-02:35:03.1	1.5	48	19	14.2	170.5
s19520917	2MASX J02300-02404	obj	00:50:48	900	Spectra	VPHG1200@540	1.01					02:31:12.61	-02:35:02.4	1.5	49	24	17.8	174.2
s19520918	2MASX J02300-02404	obj	01:07:20	900	Spectra	VPHG1200@540	1.01					02:31:12.60	-02:35:02.9	1.5	50	30	21.3	177.6
s19520919	2MASX J02300-02404	neon	01:25:44	30	Spectra	VPHG1200@540	1.01					02:31:12.54	-02:35:03.2	1.5	52	35	24.9	181.2
s19520920	2MASX J02300-02404	flat	01:29:37	20	Spectra	VPHG1200@540	1.01				13 dots	02:31:12.54	-02:35:03.2	1.5	52	36	25.6	181.9
s19520921	2MASX J02300-02404	flat	01:30:26	20	Spectra	VPHG1200@540	1.01					02:31:12.54	-02:35:03.2	1.5	52	36	25.7	182.1
s19520922	2MASX J02300-02404	flat	01:31:03	20	Spectra	VPHG1200@540	1.01					02:31:12.54	-02:35:03.2	1.5	52	37	25.8	182.2
s19520923	2MASX J02300-02404	obj	01:45:17	10	Image		1.01		R			02:31:12.53	-02:35:03.3	1.5	54	40	28.3	184.7
s19520924	2MASX J02300-02404	obj	01:46:11	900	Spectra	VPHG1200@540	1.01					02:31:12.54	-02:35:03.1	1.5	54	41	28.5	184.8
s19520925	2MASX J02300-02404	obj	02:01:47	900	Spectra	VPHG1200@540	1.01					02:31:12.49	-02:35:03.4	1.5	56	45	31.0	187.3
s19520926	2MASX J02300-02404	obj	02:18:23	900	Spectra	VPHG1200@540	1.01					02:31:12.50	-02:35:03.2	1.5	58	49	33.4	189.8
s19520927	2MASX J02300-02404	obj	02:35:16	900	Spectra	VPHG1200@540	1.01					02:31:12.45	-02:35:03.1	1.5	61	53	35.6	192.0
s19520928	2MASX J02300-02404	neon	02:50:58	30	Spectra	VPHG1200@540	1.01					02:31:12.39	-02:35:04.1	1.5	63	57	37.4	193.8
s19520929	2MASX J02300-02404	flat	02:55:26	20	Spectra	VPHG1200@540	1.01				13 dots	02:31:12.39	-02:35:04.1	1.5	64	58	37.9	194.3
s19520930	2MASX J02300-02404	flat	02:56:10	20	Spectra	VPHG1200@540	1.01					02:31:12.39	-02:35:04.1	1.5	64	58	38.0	194.4
s19520931	2MASX J02300-02404	flat	02:56:48	20	Spectra	VPHG1200@540	1.01					02:31:12.39	-02:35:04.1	1.5	64	58	38.1	194.4
s19521001	cl0708.6+5642	obj	03:05:33	20	Image		1.01		R			07:10:24.41	+56:40:49.1	1.5	17	214	227.5	202.6

s19521002	cl0708.6+5642	obj	03:10:47	10	Image		1.01		R		07:10:24.41	+56:40:49.1	1.5	16	212	224.8	199.8
s19521003	cl0708.6+5642	obj	03:13:15	20	Image		1.01		R		07:10:23.52	+56:40:45.6	1.5	16	211	223.4	198.5
s19521004	cl0708.6+5642	obj	03:15:18	900	Spectra	VPHG1026@735	1.97				07:10:23.56	+56:40:45.6	1.6	16	210	222.3	197.4
s19521005	cl0708.6+5642	obj	03:32:16	900	Spectra	VPHG1026@735	1.97				07:10:23.82	+56:40:44.8	1.6	14	203	212.0	187.0
s19521006	cl0708.6+5642	obj	03:47:57	900	Spectra	VPHG1026@735	1.97				07:10:23.98	+56:40:43.7	1.6	13	195	201.0	176.1
s19521007	cl0708.6+5642	obj	04:05:31	900	Spectra	VPHG1026@735	1.97				07:10:24.13	+56:40:43.4	1.6	13	185	187.5	162.6
s19521008	cl0708.6+5642	obj	04:21:15	900	Spectra	VPHG1026@735	1.97				07:10:24.52	+56:40:43.6	1.6	13	176	174.9	149.9
s19521009	cl0708.6+5642	obj	04:39:30	900	Spectra	VPHG1026@735	1.97				07:10:24.83	+56:40:45.4	1.6	13	165	160.7	135.7
s19521010	cl0708.6+5642	obj	04:55:05	900	Spectra	VPHG1026@735	1.97				07:10:25.05	+56:40:47.5	1.6	14	157	149.6	124.7
s19521011	cl0708.6+5642	neon	05:10:44	30	Spectra	VPHG1026@735	1.97				07:10:25.16	+56:40:49.9	1.6	15	150	139.8	114.9
s19521012	cl0708.6+5642	flat	05:11:44	20	Spectra	VPHG1026@735	1.97			13 dots	0	0	1.6	0	0	0.0	0.0
s19521013	cl0708.6+5642	flat	05:12:39	20	Spectra	VPHG1026@735	1.97				05:07:15.62	+52:51:34.3	1.6	30	123	88.8	114.2
s19521014	cl0708.6+5642	flat	05:13:16	20	Spectra	VPHG1026@735	1.97				05:07:15.62	+52:51:34.3	1.6	30	123	88.7	114.2
s19521101	G191B2B	obj	05:16:29	1	Image		1.97		R		05:07:15.64	+52:51:38.2	1.6	31	123	88.0	131.2
s19521102	G191B2B	obj	05:20:04	60	Spectra	VPHG1026@735	1.97				05:07:15.56	+52:51:39.0	1.6	32	123	87.4	130.6
s19521103	G191B2B	obj	05:21:32	60	Spectra	VPHG1026@735	1.97				05:07:15.53	+52:51:38.9	1.6	32	123	87.1	130.3
s19521104	G191B2B	obj	05:23:00	60	Spectra	VPHG1026@735	1.97				05:07:15.44	+52:51:38.9	1.6	32	123	86.8	130.0
s19521105	G191B2B	neon	05:24:31	30	Spectra	VPHG1026@735	1.97				05:07:15.46	+52:51:39.0	1.6	32	123	86.5	129.7
s19521106	G191B2B	flat	05:25:37	15	Spectra	VPHG1026@735	1.97				05:07:15.46	+52:51:39.0	1.6	32	123	86.3	129.5
s19521107	G191B2B	flat	05:26:10	15	Spectra	VPHG1026@735	1.97				05:07:15.46	+52:51:39.0	1.6	32	123	86.2	129.4
s19521108	G191B2B	obj	05:26:55	60	Spectra	VPHG1026@735	7.01				05:07:15.41	+52:51:39.0	1.6	33	123	86.1	129.3
s19521109	G191B2B	obj	05:28:23	60	Spectra	VPHG1026@735	7.01				05:07:15.33	+52:51:38.9	1.6	33	123	85.8	129.0
s19521110	G191B2B	obj	05:29:50	60	Spectra	VPHG1026@735	7.01				05:07:15.34	+52:51:38.8	1.6	33	123	85.6	128.7
s19521201	G191B2B	obj	05:31:50	60	Spectra	VPHG940@600	1.97				05:07:15.33	+52:51:38.6	1.6	33	123	85.2	128.4
s19521202	G191B2B	obj	05:33:17	60	Spectra	VPHG940@600	1.97				05:07:15.34	+52:51:38.1	1.6	34	123	84.9	128.1
s19521203	G191B2B	obj	05:34:45	60	Spectra	VPHG940@600	1.97				05:07:15.36	+52:51:38.1	1.6	34	123	84.7	127.9
s19521204	G191B2B	neon	05:36:20	30	Spectra	VPHG940@600	1.97				05:07:15.32	+52:51:38.4	1.6	34	123	84.4	127.6
s19521205	G191B2B	flat	05:37:18	7	Spectra	VPHG940@600	1.97				05:07:15.32	+52:51:38.4	1.6	34	123	84.2	127.4
s19521206	G191B2B	flat	05:37:43	7	Spectra	VPHG940@600	1.97				05:07:15.32	+52:51:38.4	1.6	34	123	84.1	127.3
s19521207	G191B2B	obj	05:38:22	60	Spectra	VPHG940@600	7.01				05:07:15.32	+52:51:38.4	1.6	34	123	84.0	127.2
s19521208	G191B2B	obj	05:39:50	60	Spectra	VPHG940@600	7.01				05:07:15.30	+52:51:38.7	1.6	35	123	83.8	127.0
s19521209	G191B2B	obj	05:41:17	60	Spectra	VPHG940@600	7.01				05:07:15.30	+52:51:38.7	1.6	35	124	83.5	126.7