

HUT

Memo: JWK 90 REF 12-1
Date: December 14,
1990

TO: HUTsters
FROM: Jeff Kruk
SUBJECT: As-flown timeline

Here is an approximate "as-flown" timeline. It was derived from the last replanned jsciplan. All BBXRT and IPS pointings have been removed. The GMT start and GMT end times are taken from the range of times of the frames obtained by the data evaluators using getdata, hence the actual data may extend beyond the times given by up to a minute at both the beginning and end of the observations. Note that the data frames acquire a target name when the PS or PS equivalent unit (Ben or John) issues a setup command. After the target is actually acquired a begin command is issued, which resets the SP histogram. The first few minutes of an observation prior to the begin thus contain a mixture of airglow and real data. The begin_time command is useful for determining when the SP resets occurred. The entries with question marks instead of times appeared in the jsciplan, but not in the data evaluators summary log. Until the remaining log books appear, and/or the raw data is back on the computer, I can't determine if they actually occurred or were lost or replanned out.

I	JSCI-ID	Name1	Name2	Plan Start	GMT Start	GMT End	Comments
W	0958-10	BET-DOR		14.1817			NOBS
H	2801-11	CAPELLA	CAPELLA	17.9711			NOBS
W	2402-11	IPS-CITA	ETA-HOR	19.1361			NOBS
W	0501-21	ORION	THYTORIC	19.5611			NOBS
W	2402-12	ETA-HOR	CAPELLA	20.6617			NOBS
H	2801-12	CAPELLA	CAPELLA	21.0333			NOBS
W	0501-22	ORION	THYTORIC	21.4850			NOBS
H	3227-23	SS-CYG	HD206697	22.1942			NOBS
W	4518-11	HD37903		22.7244			NOBS
U	0301-11	BR-EARTH		23.4129			NOBS
U	7307-10	NGC3256		24.4364			NOBS
U	6122-10	LMC-B		25.1833			NOBS
W	0608-10	BET-UMA	HD95418	25.8017			NOBS
U	6103-10	NGC205	M110	26.8831			NOBS
H	0001-10	HZ43		27.4719			NOBS
H	2801-10	ALF-AUR	CAPELLA	28.6261			NOBS
W	0658-10	HD25443		30.1650			NOBS
H	8623-11	2155-304	PKS	31.4956	337:15:10:26	337:15:32:32	airglow
W	2302-10	EZ-CMA	HD50896	33.2689			NOBS
W	2111-10	ZET-PUF	HD66811	34.0675			NOBS
U	9301-11	AB262	NGC708	34.6191			NOBS
H	8116-11	NGC4151		35.0136			NOBS
W	2109-10	ALF-ORI	HD39801	36.4639	337:17:56:18	337:18:21:19	100 sec data
H	3206-21	VW-HYI		37.1818			NOBS
H	8623-12	2155-304	PKS	37.7211			NOBS
H	8424-11	3C273	1226+023	38.3028			NOBS
H	3503-11	HR1099	HD22468	39.1769	337:22:06:01	337:22:44:01	NOBS - Actually attempted to point at CRABNEB
H	2417-13	21VUL	HD192518	40.3210	337:23:16:30	337:23:30:31	NOBS - JSC stole orbiter
H	8512-10	Q1821		40.7833			NOBS
H	3227-30	SS-CYG	HD206697	41.9978			NOBS - Lost to OSPCAL
W	2609-11	G70D8247	GRW	42.5167			NOBS - did not acquire
W	2417-11	21VUL	HD192518	43.3724			NOBS - did not acquire
H	1204-10	JUPITER		44.0478			NOBS - SCOS crash
H	8202-31	NGC1068		45.2186	338:04:27:14	338:04:52:19	NOBS - SCOS crash
U	5116-10	OMG-CEN	NGC5139	46.1492			NOBS
H	8415-11	1700+64	LMC	46.9664	338:05:56:54	338:06:38:36	Out of slit most of obs.
H	4416-10	SN1987A	HD56096	48.0969	338:07:08:24	338:08:03:06	Airglow?
W	3607-10	L2PUP		48.9834			NOBS
U	5102-10	NGC362		49.5261	338:08:43:04	338:08:52:11	Airglow?
W	4503-10	HD62542		50.1650			NOBS
W	2306-11	HD191765	WR134	51.1419			NOBS
U	7404-10	NGC2146		51.9167			NOBS
H	2801-11	ALF-AUR	CAPELLA	52.7961	338:12:09:21	338:12:35:27	NOBS
H	2801-12	ALF-AUR	CAPELLA	54.5000	338:13:45:59	338:14:02:21	NOBS
H	3227-21	SS-CYG	HD206697	55.8873			NOBS - did not acquire
H	4405-10	N132D	0525-69	58.4167	338:17:25:30	338:17:31:31	Airglow - did not acquire
W	0606-10	GAM-GEM	HD47105	59.3269	338:18:10:59	338:18:41:59	Out of slit most of time
H	3206-23	VW-HYI		60.1272			NOBS - did not acquire
W	2107-20	ALF-CAM	HD30614	60.7097	338:19:55:36	338:20:11:36	
U	5108-10	M92	NGC6341	61.4772	338:20:39:30	338:20:48:31	
W	2109-11	ALF-ORI	HD39801	62.2207	338:21:21:55	338:21:24:55	Airglow: star is highly reddened
W	2307-21	THY-MUS	HD113904	63.1092	338:22:05:31	338:22:13:31	
H	4412-10	CYGL00PA		64.9725	338:23:54:17	339:00:24:01	

W 8802-11	1253-055	3C279	65.6689	339:00:56:46	339:01:14:53	Middle of this obs may be lost to HDRR problem
U 9305-12	PERSEUS	A426	66.6544	339:01:48:23	339:02:11:24	
W 4516-13	SK69-239	HD269902	67.5858	339:02:38:31	339:02:52:31	
H 2509-10	G191B2B		68.3327	339:03:15:05	339:03:48:29	
W 4519-11	SK69-270	HD269997	69.2492			First and second order
H 8623-13	PKS2155	PKS	69.8997			NOBS - Lost to IDOP test
W 4207-11	ETA-CARH	HD93308	70.2592	339:05:37:31	339:05:48:49	NOBS - Lost to IDOP test
U 6106-10	SMC-A	SMCSNR	71.0667	339:06:07:19	339:06:18:19	Airglow?
U 8113-10	NGC2992	A245	71.6103	339:06:31:08	339:07:05:10	
U 4414-10	CRABNEB	NGC1952	72.8703	339:07:52:28	339:08:25:29	
W 4557-10	HD197770		74.0533	339:08:58:40	339:09:11:26	Includes 3 minutes ss data
U 6216-10	M81	NGC3031	74.6217	339:09:50:30	339:09:56:37	
W 4557-11	HD197770		75.5781	???		
W 2302-20	EZ-CMA	HD50896	76.0683	339:11:08:00	339:11:29:03	NOBS - Lost to water dump
W 0657-11	HD204827		77.1817			
U 8307-11	M87	NGC4486	77.8078	339:12:52:31	339:13:07:33	
W 2102-10	KAP-CAS	HD2905	78.7822	339:14:03:22	339:14:07:22	
H 8407-13	0558-504	PKS	79.5606	339:14:31:06	339:14:40:12	
U 5104-11	M79	NGC1904	80.5144	339:15:29:52	339:15:32:53	Log says 980 sec; rest of obs LOS?
U 2217-11	P-CAR	HD91465	81.2150			NOBS - Lost to treadmill
W 4516-12	SK69-239	HD269902	82.5542	339:17:35:34	339:17:58:04	NOBS - Lost to vernier thruster failure
U 5104-12	M79	NGC1904	83.5669	339:18:25:28	339:19:01:38	NOBS - Lost to vernier thruster failure
H 3206-20	VW-HYI	M45	84.3386			Not acquired: airglow?
W 4201-10	PLEIADIES	M45	84.9669			
U 9304-11	AB2199	NGC6166	85.8767	339:21:03:06	339:21:13:07	
H 6314-24	NGC1399		86.7319	339:21:51:12	339:22:01:36	
W 2133-10	P-CYG	HD193237	87.6494	339:22:32:12	339:23:09:08	
H 8424-13	3C273	1226+023	88.5153	339:23:25:22	340:00:08:56	
H 2801-13	ALF-AUR	CAPELLA	89.6217	340:00:44:29	340:01:00:50	
W 4530-10	HD99264		90.4272	340:01:22:50	340:01:47:37	
W 2122-10	HD45677		91.2150	340:02:02:10	340:02:39:34	Includes ~ 4 minutes ss data
U 7310-10	M100	NGC4321	92.0056	340:02:52:10	340:03:07:33	
U 6205-10	M74	NGC628	92.5378	340:03:30:08	340:04:02:26	
H 3814-10	HER-X-1	HZ-HER	93.4717	340:04:22:04	340:04:52:55	
H 8415-13	1700+64		94.1500	340:05:00:42	340:05:39:57	
H 4413-10	CYGL00PB		95.2897	340:06:07:30	340:06:43:34	
U 9202-11	AB1367		96.1036	340:07:01:14	340:07:23:14	Airglow
W 2401-10	ALF-HYI	HD12311	96.7764	340:07:36:09	340:08:11:58	
U 4448-10	VELASNE		97.6469	340:08:36:06	340:08:50:08	
W 2235-11	PI-AQR	HD212571	98.3908	340:09:17:22	340:09:37:54	
U 7205-10	M82	NGC3034	98.9819	340:09:50:46	340:10:22:00	
W 4211-10	NGC7023	HD200775	100.0617	340:11:03:23	340:11:36:23	NOBS - Lost to DDU failure
U 4114-10	NGC6720	RINGPN	101.5678			NOBS - Lost to DDU failure
U 6235-10	M101A	NGC5457	102.1258			NOBS - Lost to DDU failure
W 3115-10	HD200775		103.1203			NOBS - Lost to DDU failure
H 4406-13	N49A+B	0525-66	103.9303			NOBS - Lost to DDU failure
W 0657-12	HD204827		106.4019			NOBS - Lost to DDU failure
H 8424-12	3C273	1226+023	106.8247			NOBS - Lost to DDU failure
W 2302-30	EZ-CMA	HD50896	108.0472			NOBS - Lost to DDU failure
H 0010-11	BD284211		109.0597			NOBS - Lost to DDU failure
H 0010-13	BD284211		109.3261			NOBS - Lost to DDU failure
W 6608-11	BET-UMA		109.6403			NOBS - Lost to DDU failure
U 6602-11	NGC891	HD95418	110.8328			NOBS - Lost to DDU failure
H 2805-13	ALF-CENA	HD128620	111.8039			NOBS - Lost to DDU failure
H 8415-23	1700+64		112.6122			NOBS - Lost to DDU failure
H 2607-11	1707+427		113.3536			NOBS - Lost to DDU failure

***still in plan?

NOBS	Time	Event	Time	Event	Time	Event
U 5602-12	113.9419	NGC891	341:01:55:09	341:02:02:09	NOBS - Lost to DDU failure	
H 2533-10	114.8394	HZ43			NOBS - WUPPE only	
W 2402-12	115.4203	ETA-HOR				
U 6232-10	116.2656	M63	???			
U 6314-11	116.9750	NGC1399	341:05:37:41	341:06:03:31		
U 8310-11	117.8906	CEN-A	???			
U 6314-12	118.5019	NGC1399	341:06:59:14	341:07:36:19		
U 8310-13	119.5794	CEN-A	???			
U 6314-13	120.0292	NGC1399	341:08:25:56	341:08:57:59		
U 6314-14	121.5561	NGC1399	???			
H 8512-12	122.8475	Q1821	341:09:39:16	341:10:31:51		
H 8512-13	124.4025	Q1821	341:11:14:16	341:11:59:37		
W 0606-11	126.2947	GAM-GEM	341:13:08:44	341:13:37:52		
W 0606-12	127.8200	GAM-GEM	341:14:47:47	341:15:19:35		
W 2801-14	129.2687	ALP-AUR			NOBS - No command window times not yet avail	
W 9502-10	130.3900	A2597			Includes 3 minutes ss data	
W 4416-32	131.1864	SN1987A	341:18:05:17	341:18:39:55		
U 6105-13	132.1800	M31	341:19:06:51	341:19:36:51		
U 0301-13	133.0753	BR-EARTH	341:19:49:21	341:20:13:21		
U 6105-14	133.6267	M31	341:20:36:37	341:20:58:37		
H 2533-11	134.5432	HZ43	341:21:37:07	341:21:48:07		
H 4104-10	135.5472	JUPITER	341:22:20:27	341:23:04:07	Both on and off central star	
W 0658-21	136.8697	NGC1535	341:23:48:55	342:00:17:55		
W 4416-33	138.3591	HD25443	342:01:38:03	342:01:51:03		
W 0658-22	139.3028	SN1987A	???			
W 6203-11	139.8861	HD25443	342:02:53:07	342:03:28:14		
H 8116-13	141.1508	NGC253	342:04:03:23	342:04:17:30		
U 3607-11	141.7531	NGC4151	342:04:38:27	342:05:22:48		
H 4212-13	143.2551	L2POP	342:06:06:35	342:06:33:36		
H 8202-33	144.3452	IC63	342:07:12:35	342:07:51:35		
W 2209-11	145.9063	ZET-TAU	342:08:46:19	342:09:29:07		
W 2109-12	147.6118	ALF-ORI	342:12:07:05	342:12:43:05		
U 6602-13	149.1716	NGC891	342:13:21:47	342:14:03:49		
U 6602-14	152.0064	NGC891				
W 4503-11	153.8962	HD62542	342:16:55:40	342:17:29:40		
H 8623-14	155.1296	ALF-CAM	342:17:55:30	342:18:38:40		
H 3218-10	156.1914	UX-UMA	342:19:01:14	342:22:50:09		
H 0010-14	156.9383	BD284211	342:19:41:23	342:20:31:23		
H 8218-16	157.8547	UX-UMA	342:20:50:55	342:20:56:55		
W 2409-10	158.4625	PSI-VEL	342:21:16:23	342:22:08:23		
U 8202-34	159.5744	NGC1068	342:22:41:07	342:22:50:09		
U 6308-21	160.2014	M49	342:23:08:23	342:23:40:23		
U 5103-21	161.1395	NGC1851	342:23:57:38	343:00:43:58		
U 5103-22	162.1639	M13	343:01:04:09	343:01:18:09	Dark count only	
U 5103-22	162.8814	NGC1851	343:01:45:04	343:02:17:28		
H 3227-22	163.7281	SS-CYG	343:02:51:19	343:03:00:19		
H 4406-11	164.4131	N49A+B			NOBS - Lost to RCS hotfire test	
U 9305-13	165.4924	PERSEUS			NOBS - Lost to RCS hotfire test	
H 9319-10	166.1116	A426			NOBS - Lost to RCS hotfire test	
W 4518-13	167.2766	A665	343:06:33:30	343:06:47:32		
W 0658-23	168.0167	HD37903	343:07:47:54	343:08:23:20		
W 2609-13	170.5016	G70D8247	343:09:16:22	343:09:54:16		
H 3213-20	171.8730	Z-CAM	343:10:46:05	343:11:26:05		
	173.1782		343:11:59:51	343:12:47:51		
	175.0757		343:13:59:44	343:14:33:44		

U 9305-15	PERSEUS	A246	176.3308	343:15:13:37	343:15:56:37	
U 6308-22	M49	NGC4472	177.3628	343:16:17:48	343:16:23:49	
H 8424-14	3C273	1 226+023	178.4633	343:17:17:21	343:17:59:21	
U 6140-11	M32/N206		179.4086	343:18:31:53	343:18:54:29	
U 5105-10	M3	NGC5272	180.2925	343:19:11:27	343:19:30:27	
U 6119-11	M33	NGC598	180.9050	343:19:47:57	343:20:28:23	
W 2235-12	PI-AQR	HD212571	182.2113	343:21:03:35	343:21:42:35	
W 2217-10	P-CAR	HD91465	183.1328			
W 2102-11	KAP-CAS	HD2905	184.0669			
U 6308-23	M49	NGC4472	184.9847	343:22:59:59	343:23:32:00	NOBS - Lost command window
U 8101-10	MKN335		185.4247			
H 3212-13	C4BD1557		186.3786	344:00:23:44	344:00:58:22	
H 1204-50	JUPITER		187.3793	344:01:27:06	344:01:35:56	
U 8303-11	NGC1316		188.6899	344:02:10:42	344:03:02:30	
U 5116-11	OMG-CEN	NGC5139	188.6899	344:03:23:33	344:04:13:34	
H 3208-11	U-GEM	HD64511	189.5811	344:04:28:24	344:04:50:24	
U 7404-11	NGC2146		190.3647	344:05:10:36	344:05:45:13	
U 6216-11	M81	NGC3031	191.7992	344:06:39:16	344:07:11:17	
W 2109-13	ALF-ORI	HD39801	193.3488	344:08:09:26	344:08:42:26	
W 3115-11	HD200775		194.8995	344:09:39:22	344:10:18:22	
H 4406-12	N49A+B		196.0483	344:10:51:18	344:11:38:18	
H 3227-31	SS-CYG		198.2695	344:13:23:55	344:13:38:57	
H 1112-20	C-LEVI	HD206697	199.0472	344:14:04:56	344:14:29:57	
			200.	344:14:53:34	344:15:13:34	