

COVER INFORMATION
 Station: PDURE (Code PB)
 Experiment: 3MM May 5, 19:00 UT - May 10, 24:00 UT, partA
 Exp. Code: C111A

Schedule Version: 1.00
 Processed by SCHED version: 9.40 Release Jan. 13, 2011.
 PI: Global 3mm VLBI Array (GMVA)

Address: Max-Planck-Institut fuer Radioastronomie
 Auf dem Huegel 69
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 Phone during observation: 0049-2257-301-155
 Observing mode: 512-8-2

Notes: Will use automatic reference pointing.
 Europe: measure Tays in PROB and POSTOB, provide tau
 MK5a disk recording, mixed dual and single polarisation

Configuration: ND7 - WDP - W05 - N11 - E03 - ND2
Reference Antenna: ND2, Antenna b

Schedule for PDURE (Code PB)
 3MM May 5, 19:00 UT - May 10, 24:00 UT, partA
 UP: D => Below limits; H => Below horizon mask; W => still slewing at end; blank => up.
 Early: Seconds between end of slew and start. Dwell: On source seconds.
 Disk: GBytes recorded to this point.
 TPStart: Recording start time. Frequencies are LO sum (band edge).
 SYNC: Time correlator is expected to sync up.

Start UT	Stop UT	Source	LST	Start EL	Stop AZ	HA	UP	Para	Early Dwell	Disk GBytes	TPStart SYNC
---	Thu	5 May 2011	Day 125	---							
Next scan	Frequencies: 86197.99 86213.99 86229.99 86245.99 86261.99 86277.99										
Next HBC	Frequencies: 86293.99 86309.99										
Next scan	Bandwidths: 363.99 379.99 395.99 411.99 427.99 443.99										
19 00 00	19 04 00	3C273B	10 16 49	38.3	135.8	-2.2	-29.8	0	0	19 00 00	✓
19 15 00	19 19 00	3C273B	10 20 50	38.8	136.9	-2.1	-29.1	240	15	19 00 04	✓
19 30 00	19 38 00	J1146+3958	10 35 53	40.5	141.2	-1.9	-26.5	240	31	19 15 04	✓
19 40 00	19 48 00	J1130+3815	10 56 56	80.9	131.9	-0.6	-42.4	87	62	19 40 00	✓
19 50 00	19 58 00	J1103+3014	11 06 58	75.5	182.7	0.1	-35.6	480	93	19 50 00	✓
20 14 00	20 18 00	0716+714	11 31 02	50.6	333.6	4.1	98.3	240	124	20 14 04	✓
20 20 00	20 28 00	J0747+7639	11 37 03	50.6	342.2	3.8	109.7	99	139	20 20 00	✓
20 30 00	20 38 00	J0707+6110	11 47 04	47.2	318.2	4.7	78.0	81	170	20 30 00	✓
20 40 00	20 48 00	J0650+6001	11 57 06	43.8	317.7	5.1	73.4	107	201	20 40 00	✓
20 50 00	20 58 00	J0638+5933	12 07 08	41.0	318.3	5.5	69.0	108	232	20 50 00	✓
21 10 00	21 14 00	0716+714	12 27 11	46.1	333.4	5.1	84.9	693	253	21 10 04	✓
21 20 00	21 28 00	J0747+7639	12 37 12	47.2	341.1	4.8	94.2	341	279	21 20 00	✓

LCP only

N156 + 235

(strong)

(s)

Too weak

Weak

Weak

MISSED

0746 + 714

2 min LCP

late

Schedule for PRRURE (Code PB) Page 3
 3MM May 5, 19:00 UT - May 10, 24:00 UT, PARTA
 UP: D => Below limits: H => Below horizon mask: W => still slewing at end: blank => Up.
 Early: Seconds between end of slew and start. Dwell: On source seconds.
 Disk: GBytes recorded to this point.
 TPStart: Recording start time. Frequencies are LO sum (band edge).
 SYNC: Time correlator is expected to sync up.

Start UT	Stop UT	Source	LST	Start / Stop	EL	AZ	HA	UP	Para	Early	Disk	TPStart
UT	UT			EL	AZ	HA	UP		Dwell	GBytes	SYNC	
21 30 00	07027+6110		12 47 14	40.3	331.0	5.7			68.3	86	310	21 30 00
21 38 00	=J0720+612		12 55 15	39.4	331.4	5.8			66.8	480	341	21 30 04
21 40 00	J0650+6001		12 57 16	36.8	331.4	6.1			62.7	107	341	21 40 00
21 48 00	=0646+600		13 05 17	36.0	322.0	6.2			61.4	480	372	21 40 04
21 50 00	J0638+5933		13 07 17	34.1	322.6	6.5			58.6	108	372	21 50 00
21 58 00	=0633+595		13 15 19	33.3	323.2	6.6			57.2	480	403	21 50 04
22 10 00	---		13 27 21	73.5	295.3	1.6			98.1	660	403	22 10 00
22 20 00	J1152+4939		13 37 22	71.7	295.0	1.7			95.8	350	418	22 20 00
22 28 00	=1149+499		13 45 24	70.4	294.7	1.9			93.9	480	449	22 20 04
22 30 00	J1146+3958		13 47 24	67.5	268.5	2.0			68.0	78	449	22 30 00
22 38 00	=1144+402		13 55 25	66.0	269.9	2.1			68.1	480	480	22 30 04
22 40 00	J1130+3815		13 57 26	62.1	269.5	2.4			64.9	106	480	22 40 00
22 48 00	=1128+385		14 05 27	60.7	270.9	2.6			64.9	480	511	22 40 04
22 50 00	J1103+3014		14 07 27	51.4	264.0	3.1			55.0	99	511	22 50 00
22 58 00	=1100+305		14 15 29	50.0	265.6	3.2			55.2	480	542	22 50 04
23 05 00	---		14 22 30	19.7	279.1	5.5			48.4	375	542	23 05 00
23 15 00	J1150+497		14 32 31	62.9	284.5	2.6			84.9	296	557	23 15 00
23 19 00	---		14 36 32	62.2	294.6	2.7			84.3	280	573	23 15 04
23 20 00	J1152+4939		14 37 32	62.0	285.0	2.7			84.3	50	573	23 20 00
23 28 00	=1149+499		14 45 34	60.7	295.3	2.9			83.0	480	604	23 20 04
23 30 00	J1146+3958		14 47 34	56.8	277.9	3.0			66.8	89	604	23 30 00
23 38 00	=1144+402		14 55 35	55.4	279.0	3.1			66.4	480	635	23 30 04
23 40 00	J1130+3815		14 57 35	51.5	278.9	3.4			63.4	106	635	23 40 00
23 48 00	=1128+385		15 05 37	50.1	280.0	3.6			63.1	480	666	23 40 04
23 50 00	J1103+3014		15 07 37	40.7	274.7	4.1			55.1	99	666	23 50 00
23 58 00	=1100+305		15 15 38	39.3	276.0	4.2			54.9	480	697	23 50 04

M50+492

Schedule for PRRURE (Code PB) Page 4
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 Early: Seconds between end of slew and start. Dwell: On source seconds.
 Disk: GBytes recorded to this point.
 TPStart: Recording start time. Frequencies are LO sum (band edge).
 SYNC: Time correlator is expected to sync up.

Start UT	Stop UT	Source	LST	Start / Stop	EL	AZ	HA	UP	Para	Early	Disk	TPStart
UT	UT			EL	AZ	HA	UP		Dwell	GBytes	SYNC	
00 10 00	0716+714		15 27 40	33.2	340.9	8.1			46.7	633	697	00 10 00
00 14 00	---		15 31 41	33.0	341.1	8.1			45.9	240	712	00 10 04
00 30 00	J1044+8054		15 47 44	46.2	347.1	5.0			95.3	933	712	00 30 00
00 38 00	=1033+811		15 55 45	45.9	347.1	5.2			93.3	480	743	00 30 04
00 40 00	J1058+8114		15 57 45	46.3	347.6	5.0			96.6	109	743	00 40 00
00 48 00	=1053+815		16 05 47	46.0	347.6	5.1			94.5	480	774	00 40 04
00 50 00	J1153+8058		16 07 47	48.1	347.8	4.2			107.7	107	774	00 50 00
00 58 00	=1150+812		16 15 48	47.8	347.7	4.4			105.6	480	805	00 50 04
01 10 00	J1308+326		16 27 50	50.2	269.3	3.3			57.3	614	805	01 10 00
01 14 00	---		16 31 51	49.5	270.0	3.3			57.3	240	821	01 10 04
01 30 00	J1353+7532		16 47 54	54.0	347.9	2.9			123.4	861	821	01 30 00
01 38 00	=1352+757		16 55 55	53.6	347.5	3.0			121.1	480	852	01 30 04
01 40 00	J1357+7643		16 57 55	53.1	344.2	3.0			123.1	108	852	01 40 00
01 48 00	=1357+769		17 05 57	52.7	343.8	3.1			120.8	480	883	01 40 04
01 50 00	J1506+8319		17 07 57	50.3	354.7	2.0			145.5	97	883	01 50 00
01 58 00	=1510+835		17 15 58	50.2	354.4	2.2			143.2	480	913	01 50 04
02 15 00	0716+714		17 33 01	27.5	350.4	10.2			21.8	984	913	02 15 00
02 30 00	J1044+8054		17 48 03	41.5	348.2	7.0			66.3	633	929	02 30 00
02 38 00	=1033+811		17 56 05	41.3	348.4	7.2			64.4	480	960	02 30 04
02 40 00	J1058+8114		17 58 05	41.8	348.5	7.0			67.4	109	960	02 40 00
02 48 00	=1053+815		18 06 06	41.5	348.7	7.1			65.6	480	991	02 40 04
02 50 00	J1153+8058		18 08 07	43.4	347.5	6.2			77.7	108	991	02 50 00
02 58 00	=1150+812		18 16 08	43.1	347.6	6.4			75.8	480	1022	02 50 04
03 10 00	J1308+326		18 28 10	29.2	288.0	5.3			53.2	637	1022	03 10 00
03 14 00	---		18 32 11	28.5	288.6	5.4			52.9	240	1037	03 10 04
03 30 00	J1353+7532		18 48 13	46.9	339.4	4.9			91.5	889	1037	03 30 00
03 38 00	=1352+757		18 56 15	46.4	339.4	5.0			89.6	480	1068	03 30 04
03 40 00	J1357+7643		18 58 16	46.6	341.1	5.0			91.4	108	1068	03 40 00
03 48 00	=1357+769		19 06 16	46.1	341.1	5.1			89.4	480	1099	03 40 04

M285+811

M330+811

M330+811

M330+811

Schedule for PDBURE (Code PB) Page 5
 3MM May 5, 19:00 UT - May 10, 24:00 UT, partA
 UP: D => Below limits; H => Below horizon mask; W => still slewing at end; blank => Up.
 Early: Seconds between end of slew and start. Dwell: On source seconds.
 Disk: GBytes recorded to this point.
 TPstart: Recording start time. Frequencies are LO sum (band edge).
 SYNC: Time correlator is expected to sync up.

Start UT	Stop UT	Source	LST	Start / Stop	HA	UP	Para	Early	Disk	TPstart
UT	UT			EL AZ			Dwell	Gbytes	SYNC	
03 50 00		J1506+8319	19 08 17	47.6 351.3	4.0		113.0	98	1099	03 50 00
03 58 00		=J1510+835	19 16 18	47.4 351.2	4.2		111.0	480	1130	03 50 04
04 12 00		3C345	19 30 20	59.1 275.9	2.8		67.1	737	1130	04 12 00
04 16 00		---	19 34 21	58.3 276.4	2.8		67.0	240	1146	04 12 04
04 20 00		J1646+4059	19 38 21	58.8 278.5	2.9		68.7	228	1146	04 20 00
04 28 00		=J1645+410	19 46 23	57.4 279.6	3.0		68.3	480	1177	04 20 04
04 30 00		J1640+3946	19 48 23	55.4 278.7	3.1		66.2	108	1177	04 30 00
04 38 00		=J1638+398	19 56 24	54.0 279.8	3.3		65.8	480	1208	04 30 04
04 40 00		J1637+4717	19 58 25	55.7 292.6	3.3		75.5	95	1208	04 40 00
04 48 00		=J1636+473	20 06 26	54.4 293.2	3.5		74.5	480	1239	04 40 04
04 50 00		J1608+4012	20 08 26	46.5 286.0	4.0		63.5	101	1239	04 50 00
04 58 00		=J1606+403	20 16 28	45.2 287.0	4.1		62.9	480	1270	04 50 04
05 10 00		3C345	20 28 30	48.9 283.7	3.8		64.1	703	1270	05 10 00
05 14 00		---	20 32 30	48.2 284.2	3.8		63.9	240	1285	05 10 04
05 20 00		J1646+4059	20 38 31	48.3 286.0	3.9		64.9	349	1285	05 20 00
05 28 00		=J1645+410	20 46 33	47.0 287.0	4.0		64.3	480	1316	05 20 04
05 30 00		J1640+3946	20 48 33	45.0 286.5	4.1		62.6	108	1316	05 30 00
05 38 00		=J1638+398	20 56 34	43.6 287.5	4.3		62.0	480	1347	05 30 04
05 40 00		J1637+4717	20 58 35	46.0 297.6	4.3		68.3	98	1347	05 40 00
05 48 00		=J1636+473	21 06 36	44.7 298.4	4.5		67.4	480	1378	05 40 04
05 50 00		J1608+4012	21 08 36	36.5 283.4	5.0		58.7	100	1378	05 50 00
05 58 00		=J1606+403	21 16 38	35.2 294.4	5.1		58.0	480	1409	05 50 04
06 10 00		3C345	21 28 40	38.7 291.2	4.8		59.7	703	1424	06 10 00
06 14 00		---	21 32 40	38.0 291.7	4.8		59.4	240	1424	06 10 04
06 20 00		J1646+4059	21 38 41	38.3 293.2	4.9		60.0	349	1424	06 20 00
06 28 00		=J1645+410	21 46 43	37.0 294.2	5.0		59.3	480	1455	06 20 04
06 30 00		J1640+3946	21 48 43	34.9 294.0	5.1		57.8	108	1455	06 30 00
06 38 00		=J1638+398	21 56 44	33.6 295.0	5.3		57.0	480	1486	06 30 04
06 40 00		J1637+4717	21 58 44	36.8 303.4	5.3		61.1	100	1486	06 40 00
06 48 00		=J1636+473	22 06 46	35.6 304.2	5.5		60.1	480	1517	06 40 04

3C345

3C345

3C345

Schedule for PDBURE (Code PB) Page 6
 3MM May 5, 19:00 UT - May 10, 24:00 UT, partA
 UP: D => Below limits; H => Below horizon mask; W => still slewing at end; blank => Up.
 Early: Seconds between end of slew and start. Dwell: On source seconds.
 Disk: GBytes recorded to this point.
 TPstart: Recording start time. Frequencies are LO sum (band edge).
 SYNC: Time correlator is expected to sync up.

Start UT	Stop UT	Source	LST	Start / Stop	HA	UP	Para	Early	Disk	TPstart
UT	UT			EL AZ			Dwell	Gbytes	SYNC	
06 50 00		J1608+4012	22 08 46	27.0 301.0	6.0		53.0	100	1517	06 50 00
06 58 00		=J1606+403	22 16 47	25.7 302.0	6.1		52.1	480	1548	06 50 04
07 10 00		2013+370	22 28 49	64.0 265.1	2.2		62.9	662	1548	07 10 00
07 14 00		---	22 32 50	63.3 265.9	2.3		63.0	240	1564	07 10 04
07 20 00		J1939+3817	22 38 51	56.3 275.1	3.0		64.6	340	1564	07 20 00
07 28 00		=J1937+381	22 46 52	58.9 276.3	3.1		64.4	480	1595	07 20 04
07 30 00		J1955+5131	22 48 53	60.8 299.3	2.9		86.4	82	1595	07 30 00
07 38 00		=J1954+513	22 56 54	59.5 299.5	3.0		85.0	480	1626	07 30 04
07 40 00		J2002+4725	22 58 54	59.7 291.3	2.9		78.7	100	1626	07 40 00
07 48 00		=J2000+472	23 06 56	58.4 291.8	3.1		77.7	480	1657	07 40 04
07 50 00		J2007+3722	23 08 56	55.6 275.9	3.0		63.3	88	1657	07 50 00
07 58 00		=J2005+372	23 16 57	54.2 275.2	3.1		63.1	480	1688	07 50 04
08 12 00		2013+370	23 31 00	53.0 275.9	3.3		62.7	828	1688	08 12 00
08 16 00		---	23 35 00	52.3 276.5	3.3		62.6	240	1703	08 12 04
08 20 00		J1939+3817	23 39 01	45.8 283.6	4.0		61.8	222	1703	08 20 00
08 28 00		=J1937+381	23 47 02	44.4 284.6	4.1		61.4	480	1734	08 20 04
08 30 00		J1955+5131	23 49 03	51.5 301.8	3.9		76.7	90	1734	08 30 00
08 38 00		=J1954+513	23 57 04	50.3 302.3	4.0		75.5	480	1765	08 30 04
08 40 00		J2002+4725	23 59 04	49.9 295.8	3.9		71.4	102	1765	08 40 00
08 48 00		=J2000+472	00 07 05	48.6 296.5	4.1		70.4	480	1796	08 40 04
08 50 00		J2007+3722	00 09 06	45.0 282.7	4.0		60.9	93	1796	08 50 00
08 58 00		=J2005+372	00 17 07	43.6 283.8	4.1		60.5	480	1827	08 50 04
09 10 00		2013+370	00 27 09	43.1 283.9	4.2		60.2	588	1827	09 08 00
09 12 00		---	00 31 09	42.5 284.4	4.3		59.9	240	1842	09 08 04
09 20 00		J1849+6705	00 39 11	41.3 328.9	5.8		71.0	417	1842	09 20 00
09 28 00		=J1849+670	00 47 12	40.5 329.2	6.0		69.4	480	1873	09 20 04
09 30 00		J1746+6226	00 59 12	32.3 328.2	7.0		54.1	100	1873	09 30 00
09 38 00		=J1745+624	00 57 14	31.5 328.9	7.2		52.7	480	1904	09 30 04
09 40 00		J1821+6818	00 59 14	37.6 332.6	6.6		62.4	102	1904	09 40 00
09 48 00		=J1822+682	01 07 15	37.0 333.0	6.8		60.8	480	1935	09 40 04

steng

2013+370

2013+370

2013+370

2013+370

2013+370

2013+370

2013+370

2013+370

2013+370

Schedule for PDBURE (Code PB) 3MM May 5, 19:00 UT - May 10, 24:00 UT, partA
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 SYNC: Time correlator is expected to sync up.

Start UT	Stop UT	Source	LST	Start / Stop	EL	AZ	HA	UP	Para	Dwell	Early	Disk	TPStart	SYNC
09 50 00	J1823+6857	01 09 16	37.2	333.8	6.8	61.2	109	1935	09 50 00					
09 58 00	=J1823+689	01 17 17	36.6	334.2	6.9	59.6	480	1966	09 50 04					
10 08 00	2013+370	01 27 19	33.0	281.9	5.2	56.0	538	1966	10 08 00					
10 12 00	---	01 31 19	32.3	282.4	5.3	55.7	240	1982	10 08 04					
10 20 00	J1939+3817	01 39 21	25.9	289.3	6.0	52.3	463	1982	10 20 00					
10 28 00	=J1931+381	01 47 22	24.7	300.3	6.1	51.5	480	2013	10 20 04					
10 30 00	J1954+5131	01 49 22	34.3	311.2	5.9	59.4	97	2013	10 30 00					
10 38 00	=J2002+4725	01 59 24	31.6	307.4	5.9	56.7	104	2044	10 40 00					
10 48 00	=J2000+472	02 07 25	30.5	308.3	6.1	55.6	480	2075	10 40 04					
10 50 00	J2007+3722	02 09 26	25.1	288.7	6.0	51.8	98	2075	10 50 00					
10 58 00	=J2005+372	02 17 27	23.8	289.8	6.2	51.0	480	2106	10 50 04					
11 08 00	2013+370	02 27 28	22.4	300.5	6.3	50.3	589	2106	11 08 00					
11 12 00	---	02 31 29	22.7	300.5	6.3	50.3	240	2121	11 08 04					
11 20 00	J1849+6705	02 39 30	31.3	336.2	7.8	47.6	428	2121	11 20 00					
11 28 00	=J1849+670	02 47 32	30.7	336.8	8.0	46.0	480	2152	11 20 04					
11 30 00	J1746+6226	02 49 32	22.8	339.5	9.1	32.6	101	2152	11 30 00					
11 38 00	=J1746+624	02 57 33	22.3	340.4	9.2	31.1	480	2183	11 30 04					
11 40 00	J1821+6818	02 59 34	29.1	340.9	8.6	39.0	102	2183	11 40 00					
11 48 00	=J1822+682	03 07 35	28.6	341.6	8.8	37.4	480	2214	11 40 04					
11 50 00	J1823+6857	03 09 35	29.1	342.1	8.8	37.6	109	2214	11 50 00					
11 58 00	=J1823+689	03 17 37	28.7	342.7	8.9	36.0	480	2245	11 50 04					
12 10 00	---	03 29 39	70.5	289.6	1.9	89.2	646	2261	12 10 00					
12 14 00	J0133+476	03 33 39	69.8	289.7	1.9	88.5	240	2261	12 10 04					
12 20 00	J0154+4743	03 39 40	71.8	289.2	1.7	90.3	346	2291	12 20 00					
12 28 00	=J0151+474	03 47 42	70.5	289.2	1.9	89.8	480	2291	12 20 04					
12 30 00	J0102+5824	03 49 42	61.3	313.7	2.8	100.4	81	2391	12 30 00					
12 38 00	=J0053+581	03 57 43	60.3	313.3	2.9	98.3	480	2322	12 30 04					
12 40 00	J0109+6133	03 59 44	60.3	319.8	2.8	105.1	102	2322	12 40 00					
12 48 00	=J0106+612	04 07 45	59.3	319.4	3.0	102.9	480	2353	12 40 04					

Schedule for PDBURE (Code PB) 3MM May 5, 19:00 UT - May 10, 24:00 UT, partA
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 TPStart: Recording start time. Frequencies are LO sum (band edge).
 SYNC: Time correlator is expected to sync up.

Start UT	Stop UT	Source	LST	Start / Stop	EL	AZ	HA	UP	Para	Dwell	Early	Disk	TPStart	SYNC
12 50 00	J0126+7046	04 17 47	57.6	336.7	2.7	121.0	89	2353	12 50 00					
12 58 00	=J0122+705	04 17 47	56.2	336.1	2.8	118.6	480	2384	12 50 04					
13 15 00	J1849+6705	04 34 49	24.6	346.3	9.8	25.7	972	2384	13 15 00					
13 19 00	=J1849+670	04 38 50	24.5	346.7	9.8	24.9	240	2400	13 15 04					
13 20 00	J1849+6705	04 39 50	24.4	346.8	9.8	24.7	50	2400	13 20 00					
13 28 00	=J1849+670	04 47 51	24.1	347.6	10.0	23.2	1480	2431	13 20 04					
13 30 00	J1746+6226	04 49 52	17.7	353.2	11.1	10.5	102	2431	13 30 00					
13 38 00	=J1746+624	04 57 53	17.5	354.2	11.2	9.0	480	2462	13 30 04					
13 40 00	J1821+6818	04 59 53	24.0	351.8	10.6	15.8	102	2462	13 40 00					
13 48 00	=J1822+682	05 07 55	23.8	352.6	10.8	14.3	480	2493	13 40 04					
13 50 00	J1823+6857	05 09 55	24.4	352.9	10.8	14.3	109	2493	13 50 00					
13 58 00	=J1823+689	05 17 56	24.3	353.6	10.9	12.7	480	2524	13 50 04					
14 16 00	---	05 35 59	49.7	296.6	4.0	71.7	240	2524	14 16 00					
14 20 00	J0154+4743	05 40 00	51.9	299.3	3.7	73.2	227	2539	14 20 00					
14 28 00	=J0251+474	05 48 01	50.6	295.9	3.9	72.2	480	2570	14 20 04					
14 30 00	J0102+5824	05 50 02	44.7	314.7	4.8	75.4	480	2570	14 30 00					
14 38 00	=J0059+581	05 58 03	44.7	315.1	4.9	73.9	480	2601	14 30 04					
14 40 00	J0109+6133	06 00 03	46.1	319.2	4.8	78.0	105	2601	14 40 00					
14 48 00	=J0106+612	06 08 05	45.2	319.5	5.0	76.4	480	2632	14 40 04					
14 50 00	J0126+7046	06 10 05	47.8	332.5	4.7	89.2	94	2632	14 50 00					
14 58 00	=J0122+705	06 18 06	47.1	332.6	4.9	87.3	480	2663	14 50 04					
15 10 00	J0133+476	06 30 08	44.7	307.4	4.9	59.0	671	2663	15 10 00					
15 14 00	---	06 34 09	44.5	307.5	4.9	58.9	240	2679	15 10 04					
15 20 00	J0154+4743	06 40 10	44.5	300.5	4.7	65.9	347	2679	15 20 00					
15 28 00	=J0151+474	06 48 11	41.2	301.2	4.9	64.9	480	2710	15 20 04					
15 30 00	J0102+5824	06 50 12	38.3	318.3	5.8	64.9	90	2710	15 30 00					
15 38 00	=J0059+581	06 58 13	37.4	318.8	5.9	63.6	480	2740	15 30 04					
15 40 00	J0109+6133	07 00 13	39.3	322.2	5.8	66.7	106	2771	15 40 00					
15 48 00	=J0106+612	07 08 14	38.4	322.6	6.0	65.3	480	2771	15 40 04					

Handy phrases, available phrases.

Schedule for PDBURE (Code PB) Page 9
 3MM May 5, 19:00 UT - May 10, 24:00 UT, partA
 UP: D => Below limits; H => Below horizon mask; W => still slewing at end; blank => UP.
 Early: Seconds between end of slew and start. Dwell: On source seconds.
 Disk: GBytes recorded to this point.
 TPStart: Recording start time. Frequencies are 10 sum (band edge).
 SYNC: Time correlator is expected to sync up.

Start UT	Source	LST	Start / Stop	HA	UP	Para	Early	Disk	TPStart
Stop UT			EL AZ			Dwell	GBytes	SYNC	
15 49 00	J0126+7046	07 09 15	43.0 333.4	5.7		75.9	37	2771	15 49 00
15 57 00	=0122+705	07 17 16	42.3 333.7	5.8		74.1	480	2802	15 49 04
16 10 00	3C84	07 30 18	45.4 289.0	4.2		64.0	715	2802	16 10 00
16 14 00	---	07 34 19	44.8 289.5	4.2		63.7	240	2818	16 10 04
16 20 00	J0310+3814	07 40 20	40.7 287.4	4.5		59.9	346	2818	16 20 00
16 28 00	=0309+380	07 48 21	39.3 288.5	4.6		59.3	480	2849	16 20 04
16 30 00	J0313+4120	07 50 21	40.9 292.0	4.6		61.6	106	2849	16 30 00
16 38 00	=0309+411	07 58 23	39.6 292.9	4.7		60.9	480	2880	16 30 04
16 40 00	J0310+3814	08 00 23	37.3 290.0	4.8		58.4	106	2880	16 40 00
16 48 00	=0307+380	08 08 24	36.0 291.1	4.9		57.8	480	2911	16 40 04
16 50 00	J0313+4120	08 10 25	37.6 294.3	4.9		59.8	106	2911	16 50 00
16 58 00	=0309+411	08 18 26	36.3 295.3	5.1		59.0	480	2942	16 50 04
17 10 00	0716+714	08 30 28	62.1 348.6	1.1		153.9	644	2942	17 10 00
17 14 00	---	08 34 29	61.9 348.0	1.2		152.4	240	2957	17 10 04
17 20 00	J0747+7639	08 40 30	57.6 354.5	0.9		162.7	341	2957	17 20 00
17 28 00	=0740+767	08 48 31	57.4 353.6	1.0		160.1	480	2988	17 20 04
17 30 00	J0702+6110	08 50 31	67.7 326.7	1.7		125.9	78	2988	17 30 00
17 38 00	=0740+612	08 58 33	66.9 325.3	1.8		122.9	480	3019	17 30 04
17 40 00	J0650+6001	09 00 33	65.4 320.1	2.2		114.1	104	3019	17 40 00
17 48 00	=0646+600	09 08 34	64.5 319.2	2.3		111.6	480	3050	17 40 04
17 50 00	J0638+5933	09 10 35	62.9 316.9	2.5		106.3	107	3050	17 50 00
17 58 00	=0633+595	09 18 36	61.9 316.3	2.7		104.1	480	3081	17 50 04
18 10 00	3C84	09 30 38	26.3 303.5	6.2		52.4	669	3081	18 10 00
18 14 00	---	09 34 38	25.7 304.0	6.2		52.0	240	3097	18 10 04
18 20 00	J0310+3814	09 40 39	21.4 303.3	6.5		49.3	346	3097	18 20 00
18 28 00	=0307+380	09 48 41	20.2 304.4	6.6		48.4	480	3128	18 20 04
18 30 00	J0313+4120	09 50 41	22.3 306.8	6.6		49.4	107	3128	18 30 00
18 38 00	=0309+411	09 58 42	21.1 307.9	6.7		48.4	480	3159	18 30 04
18 40 00	J0310+3814	10 00 43	18.4 306.1	7.0		47.1	107	3159	18 40 00
18 48 00	=0307+380	10 08 44	17.3 307.2	6.8		46.2	480	3189	18 40 04

2m 45s
 Sun set
 11:42
 late

Schedule for PDBURE (Code PB) Page 10
 3MM May 5, 19:00 UT - May 10, 24:00 UT, partA
 UP: D => Below limits; H => Below horizon mask; W => still slewing at end; blank => UP.
 Early: Seconds between end of slew and start. Dwell: On source seconds.
 Disk: GBytes recorded to this point.
 TPStart: Recording start time. Frequencies are 10 sum (band edge).
 SYNC: Time correlator is expected to sync up.

Start UT	Source	LST	Start / Stop	HA	UP	Para	Early	Disk	TPStart
Stop UT			EL AZ			Dwell	GBytes	SYNC	
18 50 00	J0313+4120	10 10 44	19.5 309.5	6.9		47.0	107	3189	18 50 00
18 58 00	=0309+411	10 18 46	18.4 310.6	7.1		46.0	480	3220	18 50 04
19 15 00	J0102+5824	10 35 48	17.5 340.8	9.5		26.6	976	3220	19 15 00
19 19 00	=0059+581	10 39 49	17.3 341.3	9.6		25.9	240	3236	19 15 04
19 30 00	J0030+7037	10 50 51	26.7 351.0	10.3		19.7	638	3236	19 30 00
19 38 00	=0027+703	10 58 52	26.5 351.7	10.5		18.1	480	3257	19 30 04
19 40 00	J0017+8135	11 00 53	36.7 356.6	10.7		17.0	98	3257	19 40 00
19 48 00	=0014+813	11 08 54	36.6 356.9	10.9		15.2	480	3288	19 40 04
19 50 00	J0044+6803	11 10 54	24.1 350.6	10.4		18.2	95	3288	19 50 00
19 58 00	=0041+677	11 18 56	23.9 351.3	10.6		16.7	480	3329	19 50 04
20 15 00	J0102+5824	11 35 58	14.7 348.4	10.5		15.9	1000	3329	20 15 00
20 19 00	=0059+581	11 39 59	14.5 348.9	10.6		15.2	240	3344	20 15 04
20 30 00	J0030+7037	11 51 01	25.5 356.4	11.3		7.8	637	3344	20 30 00
20 38 00	=0027+703	11 59 02	25.5 357.1	11.5		6.3	480	3375	20 30 04
20 40 00	J0017+8135	12 01 02	36.3 359.2	11.7		3.7	97	3375	20 40 00
20 48 00	=0014+813	12 09 04	36.3 359.6	11.9		1.9	480	3406	20 40 04
20 50 00	J0044+6803	12 11 04	22.9 356.5	11.4		6.6	94	3406	20 50 00
20 58 00	=0041+677	12 19 05	22.9 357.3	11.6		5.1	480	3437	20 50 04
21 10 00	0716+714	12 31 07	45.8 333.4	5.1		84.0	681	3437	21 10 00
21 14 00	---	12 35 08	45.5 333.5	5.2		83.1	240	3453	21 10 04
21 20 00	J0747+7639	12 41 09	47.0 341.1	4.9		93.3	341	3453	21 20 00
21 28 00	=0740+767	12 49 10	46.5 341.0	5.0		91.3	480	3484	21 20 04
21 30 00	J0702+6110	12 51 11	39.8 321.2	5.7		67.6	86	3484	21 30 00
21 38 00	=0702+612	12 59 12	38.9 321.7	5.9		66.1	480	3515	21 30 04
21 40 00	J0650+6001	13 01 12	36.4 321.7	6.2		62.1	107	3515	21 40 00
21 48 00	=0646+600	13 09 14	35.5 322.2	6.3		60.7	480	3546	21 40 04
21 50 00	J0638+5933	13 11 14	33.7 322.9	6.5		57.9	108	3546	21 50 00
21 58 00	=0633+595	13 19 15	32.9 323.5	6.7		56.5	480	3577	21 50 04
22 10 00	J0310+3814	13 31 17	72.8 295.0	1.6		97.0	660	3577	22 10 00
22 14 00	---	13 35 18	72.2 294.7	1.7		96.0	240	3592	22 10 04

130k phase table

08:28:28

Schedule for PDBURE (Code PB) 3MM May 5, 19:00 UT - May 10, 24:00 UT, partA
 UP: D => Below limits: H => Below horizon mask: W => Still slewing at end: blank => Up.
 Early: Seconds between end of slew and start. Dwell: On source seconds.
 Disk: GBytes recorded to this point.
 TPstart: Recording start time. Frequencies are LO sum (band edge).
 SYNC: Time correlator is expected to sync up.

Start UT	Stop UT	Source	LST	Start	Stop	HA	UP	Para	Early	Disk	TPstart
UT	UT			EL	AZ			Dwell	GBytes	SYNC	
--- Fri 6 May 2011 Day 126 ---											
22 20 00		J152+4939	13 41 19	71.1	294.8	1.8		94.8	350	3592	22 20 00
22 28 00		=J149+499	13 49 20	69.8	294.6	1.9		93.1	480	3523	22 20 04
22 30 00		J1146+3958	13 51 21	66.8	269.2	2.1		68.1	79	3523	22 30 00
22 38 00		=J144+402	13 59 22	65.3	270.6	2.2		68.1	480	3554	22 30 04
22 40 00		J1130+3815	14 01 22	61.4	270.2	2.5		64.9	106	3554	22 40 00
22 48 00		=J128+385	14 09 23	60.0	271.6	2.6		64.8	480	3685	22 40 04
22 50 00		J1103+3014	14 11 24	50.7	264.8	3.1		55.1	99	3685	22 50 00
22 58 00		=J109+305	14 19 25	49.3	266.3	3.3		55.2	480	3716	22 50 04
23 15 00		J0102+5824	14 36 28	14.9	372.3	-10.4		-16.9	885	3716	23 15 00
23 19 00		=J0059+581	14 40 29	15.0	372.9	-10.4		-17.6	240	3731	23 15 04
23 30 00		J0030+7037	14 51 30	28.1	322.5	-9.7		-27.7	635	3731	23 30 00
23 38 00		=J0027+703	14 59 32	28.4	373.1	-9.5		-29.2	480	3762	23 30 04
23 40 00		J0014+8135	15 01 32	38.1	366.9	-9.3		-36.3	98	3762	23 40 00
23 48 00		=J0014+813	15 09 33	38.3	367.2	-9.1		-38.1	480	3793	23 40 04
23 50 00		J0044+6803	15 11 34	26.0	374.3	-9.6		-28.1	95	3793	23 50 00
23 58 00		=J0041+677	15 19 35	26.4	375.0	-9.4		-29.6	480	3824	23 50 04
--- Sat 7 May 2011 Day 127 ---											
00 10 00		J1308+326	15 31 37	60.1	257.8	2.3		55.3	566	3824	00 10 00
00 14 00		---	15 35 38	59.4	258.7	2.4		55.6	240	3840	00 10 04
00 30 00		J1352+7532	15 51 40	56.6	347.0	2.0		140.4	842	3840	00 30 00
00 38 00		=J1352+757	15 59 42	56.3	346.3	2.1		137.9	480	3871	00 30 04
00 40 00		J1357+7643	16 01 42	55.5	347.9	2.1		139.8	108	3871	00 40 00
00 48 00		=J1357+769	16 09 43	55.2	347.3	2.2		137.3	480	3902	00 40 04
00 50 00		J1506+8319	16 11 44	51.0	357.0	1.1		161.2	98	3902	00 50 00
00 58 00		=J1510+835	16 19 45	51.0	356.6	1.2		158.9	480	3933	00 50 04
01 10 00		0716+714	16 31 47	29.9	345.5	9.1		33.9	685	3933	01 10 00
01 14 00		---	16 35 47	29.7	345.8	9.2		33.1	240	3948	01 10 04
01 30 00		J1044+8054	16 51 50	43.7	347.3	6.1		79.6	933	3948	01 30 00
01 38 00		=J1039+811	16 59 51	43.4	347.4	6.2		77.7	480	3979	01 30 04

Schedule for PDBURE (Code PB) 3MM May 5, 19:00 UT - May 10, 24:00 UT, partA
 UP: D => Below limits: H => Below horizon mask: W => Still slewing at end: blank => Up.
 Early: Seconds between end of slew and start. Dwell: On source seconds.
 Disk: GBytes recorded to this point.
 TPstart: Recording start time. Frequencies are LO sum (band edge).
 SYNC: Time correlator is expected to sync up.

Start UT	Stop UT	Source	LST	Start	Stop	HA	UP	Para	Early	Disk	TPstart
UT	UT			EL	AZ			Dwell	GBytes	SYNC	
--- Sat 7 May 2011 Day 127 ---											
01 40 00		J1058+8114	17 01 52	43.9	347.7	6.0		80.8	109	3979	01 40 00
01 48 00		=J1053+815	17 09 53	43.6	347.8	6.2		78.8	480	4010	01 40 04
01 50 00		J1153+8058	17 11 53	45.6	347.2	5.3		91.4	107	4010	01 50 00
01 58 00		=J1150+812	17 19 55	45.3	347.2	5.4		89.4	480	4041	01 50 04
02 15 00		J1308+326	17 36 57	38.0	280.5	4.4		55.9	927	4041	02 15 00
02 19 00		---	17 40 58	37.3	281.1	4.5		55.7	240	4057	02 15 04
02 30 00		J1353+7532	17 52 00	50.4	340.2	4.0		105.7	579	4057	02 30 00
02 38 00		=J1352+757	18 00 01	49.9	340.0	4.1		103.6	480	4087	02 30 04
02 40 00		J1357+7643	18 02 02	49.7	341.8	4.1		105.6	108	4087	02 40 00
02 48 00		=J1357+769	18 10 03	49.3	341.6	4.2		103.5	480	4118	02 40 04
02 50 00		J1506+8319	18 12 03	49.0	352.5	3.1		127.9	97	4118	02 50 00
02 58 00		=J1510+835	18 20 05	48.8	352.3	3.2		125.8	480	4149	02 50 04
03 10 00		0716+714	18 32 07	26.3	355.5	11.1		10.1	683	4149	03 10 00
03 14 00		---	18 36 07	26.3	355.8	11.2		9.3	240	4165	03 10 04
03 30 00		J1044+8054	18 52 10	39.4	343.9	8.1		51.6	934	4165	03 30 00
03 38 00		=J1039+811	19 00 11	39.1	350.2	8.2		49.8	480	4196	03 30 04
03 40 00		J1058+8114	19 02 11	39.7	350.1	8.0		52.6	109	4196	03 40 00
03 48 00		=J1053+815	19 10 13	39.4	350.4	8.2		50.8	480	4227	03 40 04
03 50 00		J1153+8058	19 12 13	41.0	348.6	7.3		62.7	108	4227	03 50 00
03 58 00		=J1150+812	19 20 14	40.7	348.8	7.4		60.8	480	4258	03 50 04
04 10 00		J1634+4717	19 32 16	58.7	276.1	2.8		67.0	621	4258	04 10 00
04 14 00		---	19 36 17	58.0	276.7	2.9		66.9	240	4273	04 10 04
04 20 00		J1646+4059	19 42 18	58.1	279.1	2.9		68.5	348	4273	04 20 00
04 28 00		=J1645+410	19 50 19	56.7	280.1	3.0		68.1	480	4304	04 20 04
04 30 00		J1640+3946	19 52 20	54.7	279.2	3.2		66.0	108	4304	04 30 00
04 38 00		=J1638+398	20 00 21	53.3	280.3	3.3		65.6	480	4335	04 30 04
04 40 00		J1637+4717	20 02 21	55.0	292.9	3.4		75.0	95	4335	04 40 00
04 48 00		=J1636+473	20 10 23	53.7	293.5	3.5		74.0	480	4366	04 40 04

SETUP FILE INFORMATION:
 NOTE: If DOPPLER, FREQ, or BW were used, see the individual scans for the final BBC settings

Setup file: 3mm1cp.set
 Matching groups in freq: 3mm
 3mm_pdb_lcp- 3mm GMVA, new LO after Oct. 2010

Setup group: 14 Station: PDBURE
 Format: KRIV1:4 Bits per sample: 2
 Number of channels: 8 DBF type:
 Disk used to record data.

Total bit rate: 512
 Sample rate: 32,000
 Speedup factor: 1.00

c1116 starts 5:05 on 3C454.3 spectral setup change to dual polar.

COVER INFORMATION
 Station: PDBURE (Code PB)
 Experiment: 3M May 5, 19:00 UT - May 10, 24:00 UT, partB
 Exp. Code: c111b

Schedule Version: 1.00
 Processed by SCHD version: 9.40 Release Jan. 13, 2011.
 PI: Global 3mm VLBI Array (GMVA)

Address: Max-Planck-Institut fuer Radioastronomie
 Auf dem Huegel 69
 53121 Bonn
 Germany

Phone: 0049-228-525-295
 FAX: 0049-2287-301-106
 Email: krichbaum@mpifr-bonn.mpg.de
 Phone during observation: 0049-2287-301-155

Observing mode: 512-8-2
 Notes: Will use automatic reference pointing.
 Europe: measure Tsys in PRPOB and POSTOB, provide tau
 MK5a disk recording, mixed dual and single polarisation

Handwritten notes:
 "able conditions, about 5 mm H₂O
 very bright source,
 After loading the new schedule, the ES
 went on HALT and required a CONT
 to be typed at the operator input.
 90° were lost on the first run.

Schedule for PDBURE (Code PB)
 3M May 5, 19:00 UT - May 10, 24:00 UT, partB
 UP: D => Below limits; H => Below horizon mask; W => still slewing at end; blank => Up.
 Early: Seconds between end of slew and start. Dwell: On source seconds.
 Disk: GBytes recorded to this point.
 TPStart: Recording start time. Frequencies are LO sum (band edge).
 SYNC: Time correlator is expected to sync up.

Start UT	Source	LSP	Start EL	Stop AZ	HA	UP	Para	Early Dwell	Disk Gbytes	TPStart SYNC
---	Sat 7 May 2011	Day 127	---	---	---	---	---	---	---	---
Next scan	Frequencies:	86210.99 86210.99 86226.99 86242.99 86242.99								
Next BGC	Frequencies:	86258.99 86258.99								
Next scan	bandwidths:	376.99 376.99 392.99 392.99 408.99 408.99								
Next scan	bandwidths:	424.99 424.99 16.00 16.00 16.00 16.00								
05 05 00	30454.3	20 27 25	48.0	120.7	-2.5			0	0	05 05 00
05 12 20	---	20 34 47	49.1	122.8	-2.3			0	0	05 05 04
05 20 00	30454.3	20 42 28	50.3	125.1	-2.2			28	28	05 20 00
05 27 20	---	20 49 49	51.3	127.3	-2.1			57	57	05 20 04
05 45 01	0716+714	21 07 33	27.4	9.1	-10.3			908	57	05 45 01
05 52 21	---	21 14 54	27.7	9.7	-10.1			440	85	05 45 05
06 00 01	0836+710	21 22 35	25.7	3.6	-11.3			442	85	06 00 01
06 07 21	---	21 29 57	23.8	4.3	-11.2			440	114	06 00 05
06 15 01	0716+714	21 37 38	28.4	11.6	-9.8			442	114	06 15 01
06 22 21	---	21 44 59	28.7	12.2	-9.6			440	142	06 15 05
06 30 01	0836+710	21 52 40	26.2	6.3	-10.8			442	142	06 30 01
06 37 21	---	22 00 02	26.3	7.0	-10.7			440	170	06 30 05
06 45 01	0716+714	22 07 43	29.6	14.0	-9.3			442	170	06 45 01
06 52 21	---	22 15 04	29.9	14.6	-9.1			440	199	06 45 05
07 00 01	0836+710	22 22 45	26.9	9.0	-10.3			442	199	07 00 01
07 07 21	---	22 30 07	27.1	9.6	-10.2			440	227	07 00 05
07 15 01	0716+714	22 37 48	31.0	16.3	-8.8			443	227	07 15 01
07 22 21	---	22 45 09	31.4	16.8	-8.6			440	255	07 15 05
07 30 01	0836+710	22 52 50	27.8	11.5	-9.8			443	255	07 30 01
07 37 21	---	23 00 11	28.1	12.1	-9.7			440	284	07 30 05
07 45 01	0716+714	23 07 53	33.6	18.4	-8.3			443	284	07 45 01
07 52 21	---	23 15 14	33.0	18.9	-8.1			440	312	07 45 05
08 00 01	0836+710	23 22 55	29.0	14.0	-9.3			443	312	08 00 01
08 07 21	---	23 30 16	29.3	14.6	-9.2			440	341	08 00 05

Handwritten notes on table:
 "Photos OK"
 "m 30 bit due to FS HAL"
 "Temp & MSOK this clouds + blue sky"
 Checkmarks (✓) at the end of several rows.

Schedule for PDBURE (Code PB) 3MM May 5, 19:00 UT - May 10, 24:00 UT, partB
 UP: D => Below limits; H => Below horizon mask; W => still slewing at end; blank => Up.
 Early: Seconds between end of slew and start. Dwell: On source seconds.
 Disk: Gbytes recorded to this point.
 Prestart: Recording start time. Frequencies are LO sum (band edge).
 SYNC: Time correlator is expected to sync up.

Start UT	Source	LST	Start / Stop	HA	UP	Para	Early	Disk	Prestart
Stop UT			EL AZ			Dwell	GBytes	SYNC	

08 15 01	0716+714	23 37 58	34.4	20.4	-7.8	-50.6	444	341	08 15 01
08 22 21	---	23 45 19	34.8	20.8	-7.6	-52.1	440	369	08 15 05
08 30 01	0716+714	23 53 00	35.3	21.3	-7.5	-53.7	450	369	08 30 01
08 37 21	---	00 00 21	35.8	21.7	-7.4	-55.2	440	397	08 30 05
08 45 01	0836+710	00 08 03	31.2	17.4	-8.6	-42.0	444	426	08 45 01
08 52 21	---	00 15 24	31.6	18.0	-8.6	-40.5	444	426	08 45 05
09 00 01	0716+714	00 23 05	37.3	22.9	-7.0	-59.8	444	426	09 00 01
09 07 21	---	00 30 26	37.9	23.3	-6.9	-61.3	440	454	09 00 05
09 15 01	0836+710	00 38 07	33.9	19.5	-8.1	-46.5	444	454	09 15 01
09 22 21	---	00 45 29	33.3	20.0	-8.0	-48.0	440	483	09 15 05
09 30 01	0716+714	00 53 10	39.5	24.3	-6.5	-66.1	443	483	09 30 01
09 37 21	---	01 00 31	40.0	24.6	-6.4	-67.6	440	511	09 30 05
09 45 01	0836+710	01 08 12	34.8	21.5	-7.6	-52.6	443	511	09 45 01
09 52 21	---	01 15 34	35.3	21.9	-7.5	-54.0	440	539	09 45 05
10 00 01	0716+714	01 23 15	41.7	25.4	-6.0	-72.5	443	539	10 00 01
10 07 21	---	01 30 36	42.3	25.6	-5.9	-74.1	440	568	10 00 05
10 15 01	0836+710	01 38 17	36.8	23.2	-7.1	-58.7	443	568	10 15 01
10 22 21	---	01 45 39	37.3	23.6	-6.9	-60.2	440	586	10 15 05
10 30 01	0716+714	01 53 20	44.1	26.2	-5.5	-79.0	443	596	10 30 01
10 37 21	---	02 00 41	44.6	26.4	-5.4	-80.7	440	624	10 30 05
10 45 01	0836+710	02 08 22	39.0	24.7	-6.6	-64.9	443	624	10 45 01
10 52 21	---	02 15 43	39.5	25.0	-6.4	-66.4	440	653	10 45 05
11 00 01	0716+714	02 23 25	46.5	26.7	-5.0	-85.9	442	653	11 00 01
11 07 21	---	02 30 46	47.0	26.7	-4.9	-87.6	440	681	11 00 05
11 15 01	0133+476	02 43 28	78.2	-68.0	1.1	100.0	639	681	11 20 01
11 22 21	---	02 50 49	77.0	-68.9	1.2	97.8	440	710	11 20 05
11 30 01	0133+476	03 03 30	74.9	-69.9	1.4	94.5	749	710	11 40 00
11 37 21	---	03 10 52	73.6	-70.2	1.6	92.9	440	738	11 40 04
12 00 01	0133+476	03 23 35	71.5	-70.4	1.8	90.3	751	738	12 00 01
12 07 21	---	03 30 56	70.3	-70.3	1.9	89.0	440	766	12 00 05

Continue hardware blocked
 going on the source. 35.04 to sun
 was too close D A 4, 5 blocked

Schedule for PDBURE (Code PB) 3MM May 5, 19:00 UT - May 10, 24:00 UT, partB
 UP: D => Below limits; H => Below horizon mask; W => still slewing at end; blank => Up.
 Early: Seconds between end of slew and start. Dwell: On source seconds.
 Disk: Gbytes recorded to this point.
 Prestart: Recording start time. Frequencies are LO sum (band edge).
 SYNC: Time correlator is expected to sync up.

Start UT	Source	LST	Start / Stop	HA	UP	Para	Early	Disk	Prestart
Stop UT			EL AZ			Dwell	GBytes	SYNC	

12 40 00	NRAO150	04 03 40	83.6	-4.7	0.1	174.7	1824	766	12 40 00
12 47 20	---	04 11 01	83.4	-14.8	0.2	163.3	440	795	12 40 04
13 00 00	3C84	04 23 43	78.1	260.5	1.1	69.7	423	795	13 00 00
13 07 20	---	04 31 05	76.8	262.7	1.2	70.6	440	823	13 00 04
13 15 00	3C84	04 43 47	74.5	265.8	1.4	71.5	750	823	13 20 00
13 22 20	---	04 51 08	73.2	267.4	1.5	71.8	440	852	13 20 04
13 30 00	0133+476	05 03 50	54.9	294.1	3.4	75.7	719	852	13 40 00
13 37 20	---	05 11 11	53.7	294.7	3.6	74.7	440	880	13 40 04
14 00 00	3C84	05 23 53	67.4	273.2	2.1	71.7	722	880	14 00 00
14 07 20	---	05 31 15	66.1	274.2	2.2	71.5	440	908	14 00 04
14 15 00	3C84	05 43 57	63.9	276.0	2.4	71.0	750	908	14 20 00
14 22 20	---	05 51 18	62.6	277.0	2.5	70.7	440	937	14 20 04
14 30 00	NRAO150	06 04 00	68.5	298.2	2.1	95.0	724	937	14 40 00
14 37 20	---	06 11 21	67.3	298.0	2.2	93.4	440	965	14 40 04
14 45 00	3C84	06 24 03	56.8	281.2	2.1	68.9	728	965	15 00 00
14 52 20	---	06 31 24	55.5	282.1	3.2	68.4	440	993	15 00 04
15 00 00	3C84	06 44 06	53.3	283.6	3.4	67.6	750	993	15 20 00
15 07 20	---	06 51 28	52.0	284.5	3.5	67.0	440	1022	15 20 04
15 15 00	0133+476	07 04 10	36.2	304.7	5.4	60.8	727	1022	15 40 00
15 22 20	---	07 11 31	35.1	305.5	5.6	59.8	440	1050	15 40 04
16 00 00	3C84	07 24 13	46.5	288.3	4.1	64.5	728	1050	16 00 00
16 07 20	---	07 31 34	45.2	289.2	4.2	63.9	440	1079	16 00 04
16 15 00	3C84	07 44 16	43.1	290.7	4.4	62.8	750	1079	16 20 00
16 22 20	---	07 51 38	41.9	291.5	4.5	62.2	440	1107	16 20 04
16 30 00	NRAO150	08 04 20	49.7	301.6	4.1	74.4	738	1107	16 40 00
16 37 20	---	08 11 41	48.6	302.1	4.2	73.3	440	1135	16 40 04
16 45 00	3C84	08 24 23	36.5	299.4	5.1	59.2	738	1135	17 00 00
16 52 20	---	08 31 44	35.4	296.3	5.2	58.5	440	1164	17 00 04
17 00 00	3C84	08 44 26	33.3	297.8	5.4	57.3	750	1164	17 20 00
17 07 20	---	08 51 47	32.2	298.7	5.5	56.5	440	1192	17 20 04

* Operated until 8 is not working properly here.
 Antennas 4+5 removed from array to
 allow observation with 4.

Schedule for PDBURE (Code PB)

3MM May 5, 19:00 UT - May 10, 24:00 UT, parth

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UT, parth

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UP: D => Below limits: H => Below horizon mask: N => still slewing at end; blank => Up.
Early: Seconds recorded between end of slew and start. Dwell: On source seconds.
Disk: GBYtes recorded to this point.
Prestart: Recording start time. Frequencies are LO sum (band edge).
SYNC: Time correlator is expected to sync up.

Table with columns: Start UT, Stop UT, Source, LST, EL, AZ, HA, UP, Para, Dwell, Early, Disk, TPStart, SYNC

Table with columns: Time, Frequency, Bandwidth, and other parameters for various sources.

SETUP FILE INFORMATION:

NOTE: If DOPPLER, FREQ, or BW were used, see the individual scans for the final BBC settings

Setup file: 3mmpol.set

Matching groups in freq: 3mm: 5.20 start, 3mm: pdb-new 3mm GWA, new LO after Oct. 2010

Setup group: 14 Station: PDBURE Total bit rate: 512
Format: MKIV1.4 Bits per sample: 2 Sample rate: 32.000
Number of channels: 8 DBS type: Speedup factor: 1.00

Table with columns: 1st LO, Net SB, Pol., BBC, IP and their corresponding values for different channels.

The following frequency sets based on this setup were used.

Table with columns: Frequency Set, Setup file, and various parameters for frequency sets.

Track assignments are: track1= 2, 18, 3, 19, 66, 82, 67, 83 barrel=roll_off

SOURCES USED IN RECORDING SCANS --

3MM May 5, 19:00 UT - May 10, 24:00

Catalog positions marked with *
Precession of date coordinates is based on stop time of first scan.
Names used in schedule marked with +
Short names used in VLA and SNAP files marked with +
Observation date used in B1950/J2000 coordinate conversion (PRECDATE): 1979.900
No adjustments are made for rates (DRA, DDEC).
Scan hours are for recording scans only.
Baseline hours are only counted for scans above horizon at both ends.

Table with columns: Source, Source position (RA/Dec), (Date), Error (mas)

COVER INFORMATION

Station: PDBURE (Code PB)
Experiment: 3MM May 5, 19:00 UT - May 10, 24:00 UT, partC
Exp. Code: c111c

Schedule Version: 2.00
Processed by SCHED version: 9.40 Release Jan. 13, 2011.

PI: Global 3mm VLBI Array (GMVA)

Address: Max-Planck-Institut fuer Radioastronomie
Auf dem Huegel 69
53121 Bonn
Germany

Phone: 0049-228-525-295
FAX: 0049-2257-301-106
Email: krichbaum@mpi-fr-bonn.mpg.de

Phone during observation: 0049-2257-301-155

Observing mode: 512-8-2
Notes: Will use automatic reference pointing.
Europe: measure Tsys in PREOB and POSTOB, provide tau
MK5a disk recording, mixed dual and single polarisation

Schedule for PDBURE

UP: D => Below limits; H => Below horizon mask; W => still slewing at end; blank => Up.
Early: Seconds between end of slew and start. Dwell: On source seconds.
Disk: GBYTES recorded to this point.
TPstart: Recording start time. Frequencies are LO sum (band edge).
SYNC: Time correlator is expected to sync up.

Table with columns: Start UT, Stop UT, Source, LST, EL, AZ, HA, UP, Para, Dwell, Early, Disk GBYTES, TPstart SYNC

--- Sun 8 May 2011 Day 128 ---
Next scan frequencies: 86210.99 86210.99 86226.99 86226.99 86242.99 86242.99
Next BBC frequencies: 86258.99 86258.99 376.99 376.99 392.99 392.99 408.99 408.99
Next scan bandwidths: 424.99 424.99 16.00 16.00 16.00 16.00 16.00 16.00

Handwritten notes: 'freq noise' and 'Phases stable' with arrows pointing to specific rows in the table.

Main data table with columns: Start UT, Stop UT, Source, LST, EL, AZ, HA, UP, Para, Dwell, Early, Disk GBYTES, TPstart SYNC. Includes handwritten checkmarks at the bottom of several rows.

Apr 21, 11 16:15

c111csch.pb

Page 3

c111csch.pb

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Schedule for PDBURE (Code PB) Page 3
 3MM May 5, 19:00 UT - May 10, 24:00 UT, partC
 Up: D => Below limits; H => Below horizon mask; W => still slewing at end; blank => Up.
 Early: Seconds between end of slew and start. Dwell: On source seconds.
 Disk: Gbytes recorded to this point.
 TPStart: Recording start time. Frequencies are LO sum (band edge).
 SYNC: Time correlator is expected to sync up.

Stop UT	Source	LST	Start	Stop	EL	AZ	HA	UP	Para	Early Dwell	Disk GBytes	TPStart SYNC
---	Sun	8	May	2011	Day	128	---					
08 30 00	BLLAC	23 56 56	69.3	274.6	1.9				73.9	450	341	08 30 00
08 37 20	---	00 04 17	68.0	274.7	2.0				73.6	440	369	08 30 04
08 45 00	BLLAC	00 11 58	66.7	275.7	2.1				73.3	450	369	08 45 00
08 52 20	---	00 19 19	65.4	276.7	2.3				72.9	440	397	08 45 04
09 00 00	BLLAC	00 27 01	64.0	277.7	2.4				72.5	450	397	09 00 00
09 07 20	---	00 34 22	62.7	278.6	2.5				72.1	440	426	09 00 04
09 15 00	BLLAC	00 42 03	61.4	279.6	2.6				71.7	450	426	09 15 00
09 22 20	---	00 49 24	60.1	280.5	2.8				71.2	440	454	09 15 04
09 30 00	BLLAC	00 57 06	58.7	281.4	2.9				70.7	450	454	09 30 00
09 37 20	---	01 04 27	57.5	282.2	3.0				70.2	440	483	09 30 04
09 45 00	BLLAC	01 12 08	56.1	283.1	3.1				69.6	450	483	09 45 00
09 52 20	---	01 19 29	54.9	284.0	3.3				69.1	440	511	09 45 04
10 00 00	BLLAC	01 27 10	53.5	284.8	3.4				68.5	450	511	10 00 00
10 07 20	---	01 34 32	52.3	285.7	3.5				67.9	440	539	10 00 04
10 15 00	BLLAC	01 42 13	51.0	286.6	3.7				67.3	450	539	10 15 00
10 22 20	---	01 49 34	49.7	287.4	3.8				66.7	440	568	10 15 04
10 30 00	BLLAC	01 57 15	48.4	288.3	3.9				66.1	450	568	10 30 00
10 37 20	---	02 04 37	47.2	289.1	4.0				65.5	440	596	10 30 04
10 45 00	BLLAC	02 12 18	45.9	290.0	4.2				64.8	450	596	10 45 00
10 52 20	---	02 19 39	44.7	290.8	4.3				64.1	440	624	10 45 04
11 00 00	BLLAC	02 27 22	43.5	291.7	4.4				63.3	450	624	11 00 00
11 07 20	---	02 34 43	42.3	292.6	4.5				62.6	440	653	11 00 04
11 15 00	BLLAC	02 42 25	41.1	293.5	4.6				61.8	450	653	11 15 00
11 22 20	---	02 49 46	39.9	294.4	4.7				61.1	440	681	11 15 04
11 30 00	BLLAC	02 57 28	38.7	295.3	4.8				60.4	450	681	11 30 00
11 37 20	---	03 04 49	37.5	296.2	4.9				59.7	440	708	11 30 04
11 45 00	BLLAC	03 12 31	36.3	297.1	5.0				59.0	450	708	11 45 00
11 52 20	---	03 19 52	35.1	298.0	5.1				58.3	440	710	11 45 04
12 00 00	BLLAC	03 27 34	33.9	298.9	5.2				57.6	450	710	12 00 00
12 07 20	---	03 34 55	32.7	299.8	5.3				56.9	440	738	12 00 04
12 15 00	BLLAC	03 42 37	31.5	300.7	5.4				56.2	450	738	12 15 00
12 22 20	---	03 49 58	30.3	301.6	5.5				55.5	440	766	12 15 04

Schedule for PDBURE (Code PB) Page 4
 3MM May 5, 19:00 UT - May 10, 24:00 UT, partC
 Up: D => Below limits; H => Below horizon mask; W => still slewing at end; blank => Up.
 Early: Seconds between end of slew and start. Dwell: On source seconds.
 Disk: Gbytes recorded to this point.
 TPStart: Recording start time. Frequencies are LO sum (band edge).
 SYNC: Time correlator is expected to sync up.

Stop UT	Source	LST	Start	Stop	EL	AZ	HA	UP	Para	Early Dwell	Disk GBytes	TPStart SYNC
---	Sun	8	May	2011	Day	128	---					
12 30 00	BLLAC	03 57 35	29.1	302.3	5.9				54.5	450	766	12 30 00
12 37 20	---	04 04 56	28.0	303.2	6.0				53.7	440	795	12 30 04
12 45 00	BLLAC	04 12 38	26.8	304.1	6.2				52.8	450	795	12 45 00
12 52 20	---	04 19 59	25.6	305.0	6.3				52.0	440	823	12 45 04
13 00 00	BLLAC	04 27 40	24.4	306.0	6.4				51.1	450	823	13 00 00
13 07 20	---	04 35 01	23.2	307.0	6.5				50.3	440	852	13 00 04
13 15 00	BLLAC	04 42 42	22.0	308.0	6.6				49.4	450	852	13 15 00
13 22 20	---	04 50 04	20.8	308.9	6.8				48.5	440	880	13 15 04
13 30 00	BLLAC	04 57 45	19.6	309.9	6.9				47.6	450	880	13 30 00
13 37 20	---	05 05 06	18.4	310.9	7.0				46.7	440	908	13 30 04
13 45 00	BLLAC	05 12 47	17.2	312.0	7.2				45.7	450	908	13 45 00
13 52 20	---	05 20 09	16.0	313.0	7.3				44.8	440	937	13 45 04
14 00 00	BLLAC	05 27 50	14.8	314.0	7.4				43.8	450	937	14 00 00
14 07 20	---	05 35 11	13.6	315.1	7.5				42.8	440	965	14 00 04
14 15 00	BLLAC	05 42 52	12.4	316.1	7.6				41.8	450	965	14 15 00
14 22 20	---	05 50 33	11.2	317.1	7.7				40.8	440	993	14 20 04
14 30 00	BLLAC	05 58 14	10.0	318.1	7.8				39.8	450	993	14 30 00
14 37 20	---	06 05 55	8.8	319.1	7.9				38.8	440	1022	14 30 04
14 45 00	BLLAC	06 13 36	7.6	320.1	8.0				37.8	450	1022	14 45 00
14 52 20	---	06 21 17	6.4	321.1	8.1				36.8	440	1050	14 45 04
15 00 00	BLLAC	06 28 98	5.2	322.1	8.2				35.8	450	1050	15 00 00
15 07 20	---	06 35 79	4.0	323.1	8.3				34.8	440	1079	15 00 04
15 15 00	BLLAC	06 43 60	2.8	324.1	8.4				33.8	450	1079	15 15 00
15 22 20	---	06 51 41	1.6	325.1	8.5				32.8	440	1079	15 22 04
15 30 00	BLLAC	06 59 22	0.4	326.1	8.6				31.8	450	1079	15 30 00
15 37 20	---	07 07 03	0.2	327.1	8.7				30.8	440	1107	15 30 04
15 45 00	BLLAC	07 14 84	0.0	328.1	8.8				29.8	450	1107	15 45 00
15 52 20	---	07 22 65	0.0	329.1	8.9				28.8	440	1135	15 45 04
16 00 00	BLLAC	07 30 46	0.0	330.1	9.0				27.8	450	1135	16 00 00
16 07 20	---	07 38 27	0.0	331.1	9.1				26.8	440	1164	16 00 04
16 15 00	BLLAC	07 46 08	0.0	332.1	9.2				25.8	450	1164	16 15 00
16 22 20	---	07 53 89	0.0	333.1	9.3				24.8	440	1192	16 15 04

Schedule for PDBURE (Code PB) Page 5
 3MM May 5, 19:00 UT - May 10, 24:00 UT, partC
 UP: D => Below limits; H => Below horizon mask; W => still slewing at end; blank => up.
 Early: Seconds between end of slew and start. Dwell: On source seconds.
 Disk: Gbytes recorded to this point.
 TPStart: Recording start time. Frequencies are LO sum (band edge).
 SYNC: Time correlator is expected to sync up.

Start UT	Source	LST	Start / Stop	HA	UP	Para	Early	Disk	TPStart
Stop UT			EL AZ			Dwell	GBytes	SYNC	
---	Sun	8 May 2011	Day 128	---					
16 30 00	3C111	07 58 15	49.1 280.5	3.7		62.7	450	1192	16 30 00
16 37 20	---	08 05 36	47.8 281.5	3.8		62.3	440	1221	16 30 04
16 45 00	3C111	08 13 17	46.5 282.6	3.9		61.9	450	1221	16 45 00
16 52 20	---	08 20 38	45.2 283.6	4.0		61.5	440	1249	16 45 04
17 00 00	3C111	08 28 19	43.9 284.6	4.2		61.0	450	1249	17 00 00
17 07 20	---	08 35 41	42.6 285.6	4.3		60.5	440	1277	17 00 04
17 15 00	3C111	08 43 22	41.3 286.6	4.4		60.0	450	1277	17 15 00
17 22 20	---	08 50 43	40.1 287.5	4.5		59.5	440	1306	17 15 04
17 30 00	3C111	08 58 24	38.8 288.5	4.7		59.0	450	1306	17 30 00
17 37 20	---	09 05 46	37.5 289.5	4.8		58.4	440	1334	17 30 04
17 45 00	3C111	09 13 27	36.3 290.5	4.9		57.8	450	1334	17 45 00
17 52 20	---	09 20 48	35.0 291.4	5.0		57.3	440	1362	17 45 04
18 00 00	3C111	09 28 29	33.8 292.4	5.2		56.6	450	1362	18 00 00
18 07 20	---	09 35 50	32.6 293.4	5.3		56.0	440	1391	18 00 04
18 15 00	3C111	09 43 32	31.3 294.4	5.4		55.4	450	1391	18 15 00
18 22 20	---	09 50 53	30.1 295.4	5.5		54.7	440	1419	18 15 04
18 30 00	3C111	09 58 34	28.9 296.4	5.7		54.1	450	1419	18 30 00
18 37 20	---	10 05 55	27.7 297.4	5.8		53.4	440	1448	18 30 04
18 45 00	3C111	10 13 36	26.5 298.4	5.9		52.7	450	1448	18 45 00
18 52 20	---	10 20 58	25.4 299.4	6.0		52.0	440	1476	18 45 04
19 00 00	3C111	10 28 39	24.2 300.4	6.2		51.2	450	1476	19 00 00
19 07 20	---	10 36 00	23.1 301.4	6.3		50.5	440	1504	19 00 04
19 15 00	3C111	10 43 42	21.9 302.5	6.4		49.7	450	1504	19 15 00
19 22 20	---	10 51 03	20.8 303.5	6.5		48.9	440	1533	19 15 04
19 30 00	3C111	10 58 44	19.7 304.5	6.7		48.1	450	1533	19 30 00
19 37 20	---	11 06 05	18.6 305.6	6.8		47.3	440	1561	19 30 04
20 00 00	3C273B	11 28 49	45.3 158.1	-1.0		-15.4	1165	1561	20 00 00
20 07 20	---	11 36 10	45.7 160.6	-0.9		-13.7	440	1590	20 00 04
20 15 00	3C279	11 43 51	36.9 157.1	-1.2		-16.2	439	1590	20 15 00
20 22 20	---	11 51 13	37.4 159.3	-1.1		-14.7	440	1618	20 15 04

Phases ok
Loop 120k

Sunset luminosity causes extra delay (but is quite nice)

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Schedule for PDBURE (Code PB) Page 6
 3MM May 5, 19:00 UT - May 10, 24:00 UT, partC
 UP: D => Below limits; H => Below horizon mask; W => still slewing at end; blank => up.
 Early: Seconds between end of slew and start. Dwell: On source seconds.
 Disk: Gbytes recorded to this point.
 TPStart: Recording start time. Frequencies are LO sum (band edge).
 SYNC: Time correlator is expected to sync up.

Start UT	Source	LST	Start / Stop	HA	UP	Para	Early	Disk	TPStart
Stop UT			EL AZ			Dwell	GBytes	SYNC	
---	Sun	8 May 2011	Day 128	---					
20 30 00	3C273B	11 58 54	46.8 166.7	-0.5		-8.0	439	1618	20 30 00
20 37 20	---	12 06 15	47.0 171.4	-0.4		-6.1	440	1646	20 30 04
20 45 00	3C279	12 13 56	38.6 166.3	-0.7		-9.7	439	1646	20 45 00
20 52 20	---	12 21 18	38.9 168.6	-0.6		-8.1	440	1675	20 45 04
21 00 00	3C273B	12 28 59	47.4 179.7	-0.0		-0.2	440	1675	21 00 00
21 07 20	---	12 36 20	47.3 182.4	0.1		1.7	440	1703	21 00 04
21 15 00	3C279	12 44 01	39.4 175.9	-0.2		-2.9	439	1703	21 15 00
21 22 20	---	12 51 23	39.5 178.2	-0.1		-1.3	440	1732	21 15 04
21 30 00	3C273B	12 59 04	46.9 190.8	0.5		7.6	438	1732	21 30 00
21 37 20	---	13 06 25	46.6 193.4	0.6		9.5	440	1760	21 30 04
21 45 00	3C279	13 14 06	39.4 185.6	0.3		4.0	438	1760	21 45 00
21 52 20	---	13 21 27	39.2 187.9	0.4		5.7	440	1788	21 45 04
22 00 00	3C273B	13 29 09	45.4 201.4	1.0		15.1	437	1788	22 00 00
22 07 20	---	13 36 30	44.9 203.9	1.1		16.8	440	1817	22 00 04
22 15 00	3C279	13 44 11	38.4 195.1	0.8		10.7	437	1817	22 15 00
22 22 20	---	13 51 32	38.0 197.4	0.9		12.3	440	1845	22 15 04
22 30 00	3C273B	13 59 14	43.0 211.3	1.5		21.7	436	1845	22 30 00
22 37 20	---	14 06 35	42.3 213.7	1.6		23.2	440	1873	22 30 04
22 45 00	3C279	14 14 16	36.6 204.3	1.3		17.1	436	1873	22 45 00
22 52 20	---	14 21 37	36.0 206.4	1.4		18.6	440	1902	22 45 04
23 00 00	3C273B	14 29 19	39.9 220.5	2.0		27.5	436	1902	23 00 00
23 07 20	---	14 36 40	39.0 222.6	2.1		28.8	440	1930	23 00 04
23 15 00	3C279	14 44 21	34.0 212.9	1.8		22.9	436	1930	23 15 00
23 22 20	---	14 51 42	33.3 214.9	1.9		24.2	440	1959	23 15 04
23 30 00	3C273B	14 59 23	36.1 228.7	2.5		32.4	436	1959	23 30 00
23 37 20	---	15 06 45	35.1 230.6	2.6		33.4	440	1987	23 30 04
23 45 00	1222+216	15 14 26	48.3 250.2	2.8		45.9	429	1987	23 45 00
23 52 20	---	15 21 47	47.0 251.9	2.9		46.6	440	2015	23 45 04

Loop 120k
Phases stable

Schedule for PDBURE (Code PB) Page 9
 3MM May 5, 19:00 UT - May 10, 24:00 UT, partC
 UP: D => Below limits; H => Below horizon mask; W => still slewing at end; blank => Up.
 Early: Seconds between end of slew and start. Dwell: On source seconds.
 Disk: Gbytes recorded to this point.
 TPstart: Recording start time. Frequencies are LO sum (band edge).
 SYNC: Time correlator is expected to sync up.

Start UT	Stop UT	Source	LST	Start / Stop	EL	AZ	HA	UP	Para	Early	Disk	TPstart	SYNC
09 20 01	09 20 01	CTA102	00 51 01	44.9 232.7	2.3				35.3	742	2867	09 20 01	✓
09 20 21	09 20 21	CTA102	00 58 23	45.8 234.8	2.4				36.4	440	2895	09 20 05	✓
09 40 01	09 40 01	3C454.3	01 11 05	49.6 236.3	2.3				38.0	742	2895	09 40 01	✓
09 47 21	09 47 21	---	01 18 26	48.5 238.4	2.4				39.1	440	2924	09 40 05	✓
10 00 01	10 00 01	CTA102	01 31 08	39.8 243.3	3.0				40.5	742	2924	10 00 01	✓
10 07 21	10 07 21	---	01 38 29	38.7 245.0	3.1				41.2	440	2952	10 00 05	✓
10 20 01	10 20 01	3C454.3	01 51 11	43.3 246.9	2.9				43.0	742	2952	10 20 01	✓
10 27 21	10 27 21	---	01 58 32	42.1 248.7	3.1				43.6	440	2980	10 20 05	✓
10 40 00	10 40 00	CTA102	02 11 14	33.2 252.3	3.6				43.8	741	2980	10 40 00	✓
10 47 20	10 47 20	---	02 18 35	32.0 253.9	3.8				44.3	440	3009	10 40 04	✓
11 00 00	11 00 00	3C454.3	02 31 17	36.6 255.9	3.6				45.9	742	3009	11 00 00	✓
11 07 20	11 07 20	---	02 38 38	35.3 257.4	3.7				46.3	440	3037	11 00 04	✓
11 20 00	11 20 00	CTA102	02 58 41	25.0 261.7	4.4				45.8	742	3037	11 20 00	✓
11 27 20	11 27 20	---	02 58 41	25.0 261.7	4.4				46.0	440	3066	11 20 04	✓
11 40 00	11 40 00	3C454.3	03 11 23	29.6 263.7	4.3				47.4	742	3066	11 40 00	✓
11 47 20	11 47 20	---	03 18 45	28.3 265.1	4.4				47.6	440	3094	11 40 04	✓
12 00 00	12 00 00	CTA102	03 31 27	19.2 267.7	5.0				46.6	742	3094	12 00 00	✓
12 07 20	12 07 20	---	03 38 48	17.9 269.0	5.1				46.6	440	3122	12 00 04	✓
12 20 00	12 20 00	3C454.3	03 51 30	22.4 271.0	4.9				47.8	742	3122	12 20 00	✓
12 27 20	12 27 20	---	03 58 51	21.1 272.2	5.1				47.8	440	3151	12 20 04	✓
12 40 00	12 40 00	3C454.3	04 11 33	18.9 274.4	5.3				47.6	742	3151	12 40 00	✓
12 47 20	12 47 20	---	04 18 54	17.6 275.7	5.4				47.5	440	3179	12 40 04	✓
13 00 00	13 00 00	0420-014	04 31 57	43.0 182.7	0.1				1.8	634	3179	13 00 00	✓
13 07 20	13 07 20	---	04 38 58	43.9 185.3	0.3				1.8	440	3208	13 00 04	✓
13 20 00	13 20 00	0528+134	04 51 40	57.8 161.6	-0.7				-13.4	715	3208	13 20 00	✓
13 27 20	13 27 20	---	04 59 01	58.1 164.9	-0.5				-11.0	440	3236	13 20 04	✓
13 40 00	13 40 00	0420-014	05 11 43	47.8 166.4	0.8				11.6	715	3236	13 40 00	✓
13 47 20	13 47 20	---	05 19 04	42.4 198.9	0.9				13.3	440	3264	13 40 04	✓
14 00 00	14 00 00	0528+134	05 31 46	58.9 180.1	0.0				0.1	721	3264	14 00 00	✓
14 07 20	14 07 20	---	05 39 08	58.9 183.5	0.1				2.6	440	3293	14 00 04	✓

35.6, constant with hardware own limits
 35.4 at 18:40 enters into the sun. On the
 day, the course follows the sun (better for accuracy)

Schedule for PDBURE (Code PB) Page 10
 3MM May 5, 19:00 UT - May 10, 24:00 UT, partC
 UP: D => Below limits; H => Below horizon mask; W => still slewing at end; blank => Up.
 Early: Seconds between end of slew and start. Dwell: On source seconds.
 Disk: Gbytes recorded to this point.
 TPstart: Recording start time. Frequencies are LO sum (band edge).
 SYNC: Time correlator is expected to sync up.

Start UT	Stop UT	Source	LST	Start / Stop	EL	AZ	HA	UP	Para	Early	Disk	TPstart	SYNC
14 20 00	14 20 00	0420-014	05 51 50	40.1 209.5	1.5				20.4	724	3293	14 20 00	✓
14 27 20	14 27 20	---	05 59 11	39.4 211.8	1.6				21.8	444	3281	14 20 04	✓
15 00 00	15 00 00	0528+134	06 31 56	56.4 207.2	1.0				19.5	1922	3331	15 00 00	✓
15 07 20	15 07 20	---	06 39 17	55.7 210.2	1.1				21.6	440	3349	15 00 04	✓
15 20 00	15 20 00	0420-014	06 52 00	33.8 226.2	2.5				20.9	725	3349	15 20 00	✓
15 27 20	15 27 20	---	06 59 21	32.5 228.1	2.6				32.0	440	3378	15 20 04	✓
15 40 00	15 40 00	0528+134	07 12 03	52.3 222.4	1.7				29.6	725	3378	15 40 00	✓
15 47 20	15 47 20	---	07 19 24	51.4 224.9	1.8				31.1	440	3406	15 40 04	✓
16 00 00	16 00 00	0420-014	07 32 05	27.8 235.9	3.3				36.2	724	3406	16 00 00	✓
16 07 20	16 07 20	---	07 39 27	26.8 237.6	3.3				36.9	440	3435	16 00 04	✓
16 20 00	16 20 00	0528+134	07 52 09	46.9 235.0	2.3				36.8	724	3435	16 20 00	✓
16 27 20	16 27 20	---	07 59 31	45.8 237.1	2.5				37.9	440	3463	16 20 04	✓
16 40 00	16 40 00	0420-014	08 12 13	21.7 244.6	3.8				41.7	723	3491	17 00 00	✓
16 47 20	16 47 20	---	08 19 34	20.5 246.1	3.9				42.4	440	3520	17 00 04	✓
17 00 00	17 00 00	0528+134	08 32 16	40.7 245.5	3.0				44.8	723	3520	17 00 00	✓
17 07 20	17 07 20	---	08 39 37	39.5 247.2	3.1				45.2	440	3548	17 40 04	✓
17 20 00	17 20 00	0528+134	09 12 23	34.0 254.4	3.7				44.8	723	3577	17 40 00	✓
17 27 20	17 27 20	---	09 19 44	32.7 255.9	3.8				45.2	440	3577	17 40 04	✓
18 00 00	18 00 00	0528+134	09 32 26	30.5 258.4	4.0				45.8	750	3577	18 00 00	✓
18 07 20	18 07 20	---	09 39 47	29.3 259.9	4.1				46.1	440	3605	18 00 04	✓
18 20 00	18 20 00	0528+134	09 52 29	27.0 263.3	4.3				46.5	750	3605	18 20 00	✓
18 27 20	18 27 20	---	09 59 50	25.7 263.7	4.5				46.7	440	3633	18 20 04	✓
18 40 00	18 40 00	0528+134	10 12 32	23.5 266.0	4.7				46.9	750	3633	18 40 00	✓
18 47 20	18 47 20	---	10 19 54	22.2 267.3	4.8				47.0	440	3662	18 40 04	✓
19 00 01	19 00 01	0716+714	10 32 37	55.1 335.7	3.2				113.9	668	3662	19 00 01	✓
19 07 21	19 07 21	---	10 39 58	54.5 335.3	3.3				111.8	440	3690	19 00 05	✓
19 20 01	19 20 01	0716+714	10 52 40	53.6 334.7	3.5				108.3	750	3690	19 20 01	✓
19 27 21	19 27 21	---	11 00 01	53.0 334.4	3.6				106.3	440	3718	19 20 05	✓

Schedule for PDRURE (Code PB) Page 11
 3MM May 5, 19:00 UT - May 10, 24:00 UT, partic
 UP: D => Below limits; H => Below horizon mask; W => still slewing at end; blank => Up.
 Early: Seconds between end of slew and start. Dwell: On source seconds.
 Disk: GBytes recorded to this point.
 TPStart: Recording start time. Frequencies are LO sum (band edge).
 SYNC: Time correlator is expected to sync up.

Start UT	Stop UT	Source	LST	Start / Stop	EL	AZ	HA	UP	Para	Early	Disk	TPStart
Stop UT									Dwell	GBytes	SYNC	
19 45 01	---	0716+714	11 17 44	51.6 333.9	3.9				101.7	1050	3718	19 45 01
19 52 21	---	---	11 25 05	51.1 333.7	4.0				99.8	440	3747	19 45 05
20 00 00	---	0836+710	11 32 46	56.7 336.2	2.8				118.8	442	3747	20 00 00
20 07 20	---	---	11 40 07	56.1 335.7	3.0				116.7	440	3775	20 00 04
20 15 00	---	0716+714	11 47 48	49.3 333.3	4.4				94.2	442	3775	20 15 00
20 22 20	---	---	11 55 09	48.7 333.3	4.5				92.4	440	3804	20 15 04
20 30 00	---	0716+714	12 02 50	48.1 333.3	4.7				90.6	450	3804	20 30 00
20 37 20	---	---	12 10 12	47.5 333.3	4.8				88.8	440	3832	20 30 04
20 45 00	---	0716+714	12 17 53	46.9 333.3	4.9				87.0	450	3832	20 45 00
20 52 20	---	---	12 25 14	46.3 333.4	5.0				85.3	440	3860	20 45 04
21 00 00	---	0836+710	12 32 55	52.1 333.2	3.8				102.2	442	3860	21 00 00
21 07 20	---	---	12 40 17	51.9 333.0	4.0				100.3	440	3889	21 00 04
21 15 00	---	0716+714	12 47 58	44.5 333.7	5.4				80.2	442	3889	21 15 00
21 22 20	---	---	12 55 19	43.9 333.8	5.5				78.5	440	3917	21 15 04
21 30 00	---	0716+714	13 03 00	43.3 334.0	5.7				76.8	450	3917	21 30 00
21 37 20	---	---	13 10 22	42.7 334.2	5.8				75.2	440	3946	21 30 04
21 45 00	---	0716+714	13 18 03	42.1 334.4	5.9				73.6	450	3946	21 45 00
21 52 20	---	---	13 25 24	41.6 334.7	6.0				72.0	440	3974	21 45 04
22 00 00	---	0836+710	13 33 05	47.2 332.6	4.8				87.5	443	3974	22 00 00
22 07 20	---	---	13 40 26	46.6 332.6	5.0				85.8	440	4002	22 00 04
22 15 00	---	0716+714	13 48 08	39.9 335.5	6.4				67.1	443	4002	22 15 00
22 22 20	---	---	13 55 29	39.3 335.8	6.5				65.6	440	4031	22 15 04
22 30 00	---	0716+714	14 03 10	38.8 336.1	6.7				64.0	450	4031	22 30 00
22 37 20	---	---	14 10 31	38.2 336.5	6.8				62.5	440	4059	22 30 04
22 45 00	---	0716+714	14 18 13	37.7 336.9	6.9				60.9	450	4059	22 45 00
22 52 20	---	---	14 25 34	37.2 337.2	7.0				59.3	440	4087	22 45 04
23 00 00	---	0836+710	14 33 15	42.3 333.7	5.8				74.1	443	4087	23 00 00
23 07 20	---	---	14 40 36	41.7 333.9	6.0				72.5	440	4116	23 00 04
23 15 00	---	0716+714	14 48 18	35.7 338.5	7.4				54.7	443	4116	23 15 00
23 22 20	---	---	14 55 39	35.2 338.9	7.5				53.2	440	4144	23 15 04

phases improve

Schedule for PDRURE (Code PB) Page 12
 3MM May 5, 19:00 UT - May 10, 24:00 UT, partic
 UP: D => Below limits; H => Below horizon mask; W => still slewing at end; blank => Up.
 Early: Seconds between end of slew and start. Dwell: On source seconds.
 Disk: GBytes recorded to this point.
 TPStart: Recording start time. Frequencies are LO sum (band edge).
 SYNC: Time correlator is expected to sync up.

Start UT	Stop UT	Source	LST	Start / Stop	EL	AZ	HA	UP	Para	Early	Disk	TPStart
Stop UT									Dwell	GBytes	SYNC	
23 30 00	---	0716+714	15 03 20	34.7 339.3	7.7				51.6	450	4144	23 30 00
23 37 20	---	---	15 10 41	34.2 339.8	7.8				50.2	440	4173	23 30 04
23 45 00	---	0716+714	15 18 23	33.8 340.3	7.9				48.6	450	4173	23 45 00
23 52 20	---	---	15 25 44	33.3 340.7	8.0				47.1	440	4201	23 45 04
---	---	Tue 10 May 2011	Day 130	---	---				---	---	---	---
00 00 01	---	0836+710	15 33 26	37.8 336.1	6.8				61.4	445	4201	00 00 01
00 07 21	---	---	15 40 47	37.2 336.5	7.0				59.9	440	4229	00 00 05
00 15 00	---	0716+714	15 48 27	33.0 342.3	8.4				42.6	443	4229	00 15 00
00 22 20	---	---	15 55 49	31.7 342.8	8.5				41.1	440	4258	00 15 04
00 30 00	---	0716+714	16 03 30	31.3 343.3	8.7				39.6	450	4258	00 30 00
00 37 20	---	---	16 10 51	30.9 343.9	8.8				38.1	440	4286	00 30 04
00 45 00	---	0716+714	16 18 32	30.5 344.4	8.9				36.6	450	4286	00 45 00
00 52 20	---	---	16 25 54	30.2 345.0	9.0				35.1	440	4315	00 45 04
01 00 00	---	0836+710	16 33 35	33.7 339.6	7.9				49.2	443	4315	01 00 00
01 07 20	---	---	16 40 56	33.3 340.1	8.0				47.7	440	4343	01 00 04
01 15 00	---	0716+714	16 48 37	28.2 346.8	9.4				30.6	443	4343	01 15 00
01 22 20	---	---	16 55 59	28.9 347.3	9.5				29.1	440	4371	01 15 04
01 30 00	---	0716+714	17 03 40	28.6 348.0	9.7				27.6	450	4371	01 30 00
01 37 20	---	---	17 11 01	28.3 348.6	9.8				26.2	440	4400	01 30 04
01 45 00	---	0716+714	17 18 42	28.1 349.2	9.9				24.6	450	4400	01 45 00
01 52 20	---	---	17 26 03	27.8 349.8	10.0				23.2	440	4428	01 45 04
02 00 00	---	0836+710	17 33 45	30.3 343.8	8.9				37.2	442	4428	02 00 00
02 07 20	---	---	17 41 06	30.0 344.4	9.0				35.8	440	4456	02 00 04
02 15 00	---	0716+714	17 48 48	28.0 345.7	1.3				59.7	445	4456	02 15 00
02 22 20	---	---	18 01 09	27.8 255.2	1.4				61.0	440	4485	02 20 04
02 30 00	---	0836+710	18 08 51	72.6 261.7	1.5				66.4	446	4485	02 40 00
02 37 20	---	---	18 16 12	71.3 263.5	1.6				66.9	440	4513	02 40 04
03 00 00	---	1633+382	18 23 55	67.0 263.9	2.0				64.1	747	4513	03 00 00
03 07 20	---	---	18 31 16	65.7 265.4	2.1				64.4	440	4542	03 00 04

Schedule for PDBURE (Code PB) Page 13
 3MM May 5, 19:00 UT - May 10, 24:00 UT, partC
 UP: D => Below limits; H => Below horizon mask; W => still slewing at end; blank => Up.
 Early: Seconds between end of slew and start. Dwell: On source seconds.
 Disk: Gbytes recorded to this point.
 TPStart: Recording start time. Frequencies are LO sum (band edge).
 SYNC: Time correlator is expected to sync up.

Start UT	Stop UT	Source	LST	Start / Stop	EL	AZ	HA	UP	Para	Para Dwell	Disk Gbytes	TPStart SYNC
---	Tue	10 May 2011	Day 130	---								
03 15 00	---	3C345	18 48 57	66.4 269.2	2.1				67.8	447	4542	03 15 00
03 22 20	---	---	18 56 18	65.1 270.5	2.2				67.8	440	4570	03 15 04
03 30 00	---	1633+382	19 03 59	61.7 269.8	2.5				64.7	447	4570	03 30 00
03 37 20	---	---	19 11 21	60.4 271.0	2.6				64.7	440	4598	03 30 04
03 45 00	---	3C345	19 19 02	61.1 274.2	2.6				67.5	448	4598	03 45 00
03 52 20	---	---	19 26 23	59.8 275.3	2.7				67.2	440	4627	03 45 04
04 00 00	---	1633+382	19 34 04	56.3 274.7	3.0				64.3	448	4627	04 00 00
04 07 20	---	---	19 41 26	55.0 275.8	3.1				64.1	440	4655	04 00 04
04 15 00	---	3C345	19 49 07	55.7 278.5	3.1				66.3	448	4655	04 15 00
04 22 20	---	---	19 56 28	54.4 279.5	3.2				66.0	440	4684	04 15 04
04 30 00	---	1633+382	20 04 09	51.0 279.1	3.5				63.2	447	4684	04 30 00
04 37 20	---	---	20 11 31	49.7 280.1	3.6				62.9	440	4712	04 30 04
04 45 00	---	3C345	20 19 12	50.5 282.5	3.6				64.7	448	4712	04 45 00
04 52 20	---	---	20 26 33	49.2 283.4	3.7				64.3	440	4740	04 45 04
05 00 00	---	1633+382	20 34 14	45.8 283.2	4.0				61.7	447	4740	05 00 00
05 07 20	---	---	20 41 35	44.5 284.2	4.1				61.2	440	4769	05 00 04
05 15 00	---	3C345	20 49 17	44.3 286.3	4.2				62.7	447	4769	05 15 00
05 22 20	---	---	20 56 38	44.0 287.2	4.2				62.2	440	4797	05 15 04
05 30 00	---	1633+382	21 04 19	40.6 287.2	4.5				59.8	447	4797	05 30 00
05 37 20	---	---	21 11 40	39.4 288.2	4.6				59.2	440	4825	05 30 04
05 45 00	---	3C345	21 19 22	40.2 290.1	4.6				60.4	447	4825	05 45 00
05 52 20	---	---	21 26 43	39.0 291.0	4.7				59.9	440	4854	05 45 04
06 00 00	---	1633+382	21 34 24	35.6 291.1	5.0				57.5	447	4854	06 00 00
06 07 20	---	---	21 41 45	34.3 292.1	5.1				56.9	440	4882	06 00 04
06 15 00	---	3C345	21 49 27	35.3 293.8	5.1				57.9	447	4882	06 15 00
06 22 20	---	---	21 56 48	34.1 294.7	5.2				57.3	440	4911	06 15 04
06 30 00	---	1633+382	22 04 29	30.6 295.0	5.5				55.0	447	4911	06 30 00
06 37 20	---	---	22 11 50	29.5 296.0	5.6				54.4	440	4939	06 30 04
06 45 00	---	3C345	22 19 32	30.4 297.6	5.6				55.2	447	4939	06 45 00
06 52 20	---	---	22 26 53	29.3 298.5	5.7				54.5	440	4967	06 45 04

Top 180k - 200k Top
Phases stable
Phases start to more / Jcy output
Down

Schedule for PDBURE (Code PB) Page 14
 3MM May 5, 19:00 UT - May 10, 24:00 UT, partC
 UP: D => Below limits; H => Below horizon mask; W => still slewing at end; blank => Up.
 Early: Seconds between end of slew and start. Dwell: On source seconds.
 Disk: Gbytes recorded to this point.
 TPStart: Recording start time. Frequencies are LO sum (band edge).
 SYNC: Time correlator is expected to sync up.

Start UT	Stop UT	Source	LST	Start / Stop	EL	AZ	HA	UP	Para	Para Dwell	Disk Gbytes	TPStart SYNC
---	Tue	10 May 2011	Day 130	---								
07 00 00	---	1633+382	22 34 34	25.9 299.0	6.0				52.3	447	4967	07 00 00
07 07 20	---	---	22 41 55	25.7 300.0	6.1				51.6	440	4996	07 00 04
07 15 00	---	3C345	22 49 36	25.8 301.5	6.1				52.2	447	4996	07 15 00
07 22 20	---	---	22 56 58	24.7 302.4	6.2				51.4	440	5024	07 15 04
07 30 00	---	1633+382	23 04 39	21.3 303.1	6.5				49.3	447	5024	07 30 00
07 37 20	---	---	23 12 00	20.2 304.1	6.6				48.5	440	5053	07 30 04
07 45 00	---	3C345	23 19 41	21.3 305.5	6.6				49.0	447	5053	07 45 00
07 52 20	---	---	23 27 03	20.2 306.5	6.7				48.1	440	5081	07 45 04
08 00 00	---	1633+382	23 34 44	38.2 201.9	1.1				15.4	440	5109	08 00 00
08 07 20	---	---	23 42 05	37.6 204.1	1.3				16.9	440	5138	08 00 04
08 15 00	---	3C345	23 54 47	36.7 207.9	1.6				19.5	440	5138	08 20 00
08 22 20	---	---	00 02 08	36.0 210.0	1.6				20.9	440	5166	08 20 04
08 30 00	---	1633+382	00 14 50	34.8 213.6	1.8				23.3	440	5186	08 40 00
08 37 20	---	---	00 22 12	34.1 215.6	1.9				24.6	440	5186	08 40 04
08 45 00	---	3C345	00 34 54	32.7 218.0	2.1				26.7	440	5186	09 00 00
08 52 20	---	---	00 42 15	31.9 221.0	2.3				27.9	440	5195	09 00 04
09 00 00	---	1633+382	00 54 57	30.4 224.2	2.5				29.9	440	5195	09 20 00
09 07 20	---	---	01 02 18	29.4 226.0	2.6				30.9	440	5223	09 20 04
09 15 00	---	3C345	01 15 00	49.0 237.4	2.3				38.6	440	5223	09 40 00
09 22 20	---	---	01 22 21	47.9 239.5	2.5				39.7	440	5251	09 40 04
09 30 00	---	1633+382	01 35 04	25.0 233.7	3.1				35.1	440	5251	10 00 00
09 37 20	---	---	01 42 25	23.9 235.3	3.3				36.0	440	5280	10 00 04
09 45 00	---	3C345	01 55 07	22.0 238.1	3.5				37.3	440	5280	10 20 00
09 52 20	---	---	02 02 28	20.9 239.7	3.6				38.1	440	5308	10 20 04
10 00 00	---	1633+382	02 15 10	39.3 252.4	3.3				44.9	440	5308	10 40 00
10 07 20	---	---	02 22 31	38.1 254.0	3.5				45.4	440	5336	10 40 04
10 15 00	---	3C345	02 35 14	35.9 256.7	3.7				46.1	440	5336	11 00 00
10 22 20	---	---	02 42 36	34.6 258.2	3.8				46.5	440	5365	11 00 04
10 30 00	---	1633+382	02 55 18	32.4 260.7	4.0				47.0	440	5365	11 20 00
10 37 20	---	---	03 02 39	31.1 262.1	4.1				47.2	440	5393	11 20 04

Phases more

Schedule for PDBURE (Code PB) Page 15
 3MW May 5, 19:00 UT - May 10, 24:00 UT, partC
 UP: D => Below limits: H => Below horizon mask: W => Still slewing at end: blank => Up.
 Early: Seconds between end of slew and start. Dwell: On source seconds.
 Disk: Gbytes recorded to this point.
 TPStart: Recording start time. Frequencies are LO sum (band edge).
 SYNC: Time correlator is expected to sync up.

Start UT	Stop UT	Source	LST	Start / Stop	EL	AZ	HA	UP	Para	Early Dwell	Disk GBytes	TPStart SYNC
--- Tue 10 May 2011 Day 130 ---												
11 40 00	11 47 20	3C454.3	03 15 20	27.9 264.5	4.3				47.5	749	5393	11 40 00
12 00 01	12 07 21	0J287	03 35 24	20.9 442.0	-5.3				-48.6	541	5422	12 00 01
12 15 01	12 22 21	0J287	03 50 27	23.6 444.5	-5.1				-49.0	450	5450	12 15 01
12 30 01	12 37 21	0J287	04 05 29	26.2 447.1	-4.8				-49.2	450	5478	12 30 01
12 45 01	12 52 21	0J287	04 20 32	28.9 89.7	-4.6				-49.3	20	5507	12 45 01
13 00 01	13 07 21	0827+243	04 35 34	38.5 92.9	-3.9				-51.2	442	5535	13 00 01
13 15 01	13 22 21	0J287	04 50 37	34.3 95.1	-4.1				-48.8	440	5564	13 15 01
13 30 01	13 37 21	0J287	05 05 39	36.9 98.0	-3.8				-48.6	450	5592	13 30 01
13 45 01	13 52 21	0J287	05 20 42	39.6 101.0	-3.6				-48.1	450	5620	13 45 01
14 00 01	14 07 21	0827+243	05 35 44	49.0 105.1	-2.9				-47.7	440	5649	14 00 01
14 15 01	14 22 21	0J287	05 50 46	44.7 107.4	-3.1				-48.9	442	5677	14 15 01
14 30 01	14 37 21	0J287	06 05 49	47.3 111.0	-2.8				-45.7	440	5705	14 30 01
14 45 01	14 52 21	0J287	06 20 51	49.7 114.8	-2.6				-44.3	440	5734	14 45 01
15 00 01	15 07 21	0827+243	06 35 54	58.8 121.5	-1.9				-43.4	450	5762	15 00 01
15 15 01	15 22 21	0J287	06 50 56	54.4 123.4	-2.1				-42.6	440	5791	15 15 01
15 30 01	15 37 21	0J287	07 05 59	55.5 125.8	-2.0				-39.2	442	5819	15 30 01

Schedule for PDBURE (Code PB) Page 16
 3MW May 5, 19:00 UT - May 10, 24:00 UT, partC
 UP: D => Below limits: H => Below horizon mask: W => Still slewing at end: blank => Up.
 Early: Seconds between end of slew and start. Dwell: On source seconds.
 Disk: Gbytes recorded to this point.
 TPStart: Recording start time. Frequencies are LO sum (band edge).
 SYNC: Time correlator is expected to sync up.

Start UT	Stop UT	Source	LST	Start / Stop	EL	AZ	HA	UP	Para	Early Dwell	Disk GBytes	TPStart SYNC
--- Tue 10 May 2011 Day 130 ---												
15 30 01	15 37 21	0J287	07 05 59	56.6 128.4	-1.8				-36.4	450	5819	15 30 01
15 45 01	15 52 21	0J287	07 21 01	58.6 133.8	-1.6				-34.9	440	5847	15 45 01
16 00 01	16 07 21	0827+243	07 36 04	66.6 146.6	-0.9				-33.2	450	5876	16 00 01
16 15 01	16 22 21	0J287	07 51 06	62.7 149.7	-1.0				-25.4	442	5876	16 15 01
16 30 01	16 37 21	0J287	08 06 09	63.4 153.4	-0.8				-22.5	440	5904	16 30 01
16 45 01	16 52 21	0J287	08 21 11	64.4 161.1	-0.6				-21.5	440	5933	16 45 01
17 00 01	17 07 21	0827+243	08 36 14	65.5 183.0	0.1				-19.8	450	5961	17 00 01
17 15 01	17 22 21	0J287	08 51 16	65.4 187.8	0.2				-17.2	440	5989	17 15 01
17 30 01	17 37 21	0J287	09 06 18	65.3 186.1	0.2				-14.2	433	5989	17 30 01
17 45 01	17 52 21	0J287	09 21 21	64.9 194.4	0.4				-1.8	440	6018	17 45 01
18 00 01	18 07 21	0827+243	09 36 23	65.6 218.1	1.1				1.3	440	6046	18 00 01
18 15 01	18 22 21	0J287	09 51 26	62.8 209.8	0.9				4.6	450	6074	18 15 01
18 30 01	18 37 21	0J287	10 06 28	61.4 216.7	1.2				7.7	440	6103	18 30 01
18 45 01	18 52 21	0J287	10 21 31	59.6 223.0	1.4				10.9	450	6131	18 45 01
19 00 01	19 07 21	0827+243	10 36 33	57.4 241.5	2.1				13.8	440	6160	19 00 01
19 15 01	19 22 21	0J287	10 51 36	56.2 243.7	2.2				28.8	440	6188	19 15 01

Schedule for PDBURE (Code PB) Page 17
 3MM May 5, 19:00 UT - May 10, 24:00 UT, partC
 UP: D => Below limits; H => Below horizon mask; W => still slewing at end; blank => up.
 Early: Seconds between end of slew and start. Dwell: On source seconds.
 Disk: Gbytes recorded to this point.
 TPStart: Recording start time. Frequencies are LO sum (band edge).
 SYNC: Time correlator is expected to sync up.

Start UT	Stop UT	Source	LST	Start / Stop EL	AZ	HA	UP	Para	Early Dwell	Disk Gbytes	TPStart SYNC
19 15 01	0J287		10 51 36	55.6 233.9	1.9			37.7	435	6245	19 15 01
19 22 21	---		10 58 57	54.6 236.2	2.1			39.0	440	6273	19 15 05
19 30 01	0J287		11 06 38	53.4 238.6	2.2			40.3	450	6273	19 30 01
19 37 21	---		11 13 59	52.3 240.8	2.3			41.4	440	6302	19 30 05
19 45 00	0J287		11 21 40	51.1 242.9	2.4			42.4	449	6302	19 45 00
19 52 20	---		11 29 01	49.9 244.9	2.6			43.3	440	6330	19 45 04
20 00 00	0827+243		11 36 42	47.4 257.0	3.1			49.5	437	6330	20 00 00
20 07 20	---		11 44 03	46.1 258.6	3.2			49.9	440	6358	20 00 04
20 15 00	0J287		11 51 45	46.2 250.6	2.9			45.6	438	6358	20 15 00
20 22 20	---		11 59 06	44.9 252.3	3.1			46.2	440	6387	20 15 04
20 30 00	0J287		12 06 47	43.6 254.1	3.2			46.8	450	6387	20 30 00
20 37 20	---		12 14 08	42.4 255.7	3.3			47.2	440	6415	20 30 04
20 45 00	0J287		12 21 50	41.0 257.3	3.4			47.7	450	6415	20 45 00
20 52 20	---		12 29 11	39.7 258.8	3.6			48.0	440	6443	20 45 04
21 00 00	0827+243		12 36 52	36.8 268.8	4.1			51.2	440	6443	21 00 00
21 07 20	---		12 44 13	35.5 270.1	4.2			51.2	440	6472	21 00 04
21 15 00	0J287		12 51 54	35.7 263.3	3.9			48.8	440	6472	21 15 00
21 22 20	---		12 59 16	34.4 264.7	4.1			49.0	440	6500	21 15 04
21 30 00	0J287		13 06 57	33.1 266.1	4.2			49.1	450	6500	21 30 00
21 37 20	---		13 14 18	31.8 267.4	4.3			49.2	440	6529	21 30 04
21 45 00	0J287		13 21 59	30.4 268.8	4.4			49.2	450	6529	21 45 00
21 52 20	---		13 29 21	29.1 270.1	4.6			49.3	440	6557	21 45 04
22 00 00	0827+243		13 37 02	26.1 279.0	5.1			50.4	441	6557	22 00 00
22 07 20	---		13 44 23	24.8 280.2	5.2			50.1	440	6585	22 00 04
22 15 00	0J287		13 52 04	25.1 274.0	4.9			49.1	441	6585	22 15 00
22 22 20	---		13 59 25	23.8 275.3	5.1			49.0	440	6614	22 15 04
22 30 00	0J287		14 07 07	22.4 276.6	5.2			48.8	450	6614	22 30 00
22 37 20	---		14 14 28	21.1 277.8	5.3			48.6	440	6642	22 30 04
22 45 00	0J287		14 22 09	19.7 279.1	5.4			48.4	450	6642	22 45 00
22 52 20	---		14 29 30	18.5 280.3	5.6			48.2	440	6671	22 45 04

Schedule for PDBURE (Code PB) Page 18
 3MM May 5, 19:00 UT - May 10, 24:00 UT, partC
 UP: D => Below limits; H => Below horizon mask; W => still slewing at end; blank => up.
 Early: Seconds between end of slew and start. Dwell: On source seconds.
 Disk: Gbytes recorded to this point.
 TPStart: Recording start time. Frequencies are LO sum (band edge).
 SYNC: Time correlator is expected to sync up.

Start UT	Stop UT	Source	LST	Start / Stop EL	AZ	HA	UP	Para	Early Dwell	Disk Gbytes	TPStart SYNC
23 05 00	1222+216		14 42 13	53.5 241.6	2.3			42.2	699	6671	23 05 00
23 12 20	---		14 49 34	52.3 243.7	2.4			43.2	440	6699	23 05 04
23 20 00	1222+216		14 57 15	51.1 245.8	2.5			44.2	450	6699	23 20 00
23 27 20	---		15 04 36	49.9 247.7	2.7			45.0	440	6727	23 20 04
23 35 00	1222+216		15 12 17	48.6 249.6	2.8			45.7	450	6727	23 35 00
23 42 20	---		15 19 39	47.4 251.4	2.9			46.4	440	6756	23 35 04
23 50 00	1222+216		15 27 20	46.1 253.2	3.0			47.0	450	6756	23 50 00
23 57 20	---		15 34 41	44.8 254.9	3.2			47.5	440	6784	23 50 04

SETUP FILE INFORMATION:
 NOTE: If DOPPLER, FREQ, or BW were used, see the individual scans for the final BBC settings

Setup file: j3mpol.set
 Matching groups in freq: 3mm:
 3mm_pdb-new 3mm GNVA, new LO after Oct. 2010
 Setup group: 14 Station: PDBURE Total bit rate: 512
 Format: KRIVI:4 Bits per sample: 2 Sample rate: 32.000
 Number of channels: 8 DBE type: Speedup factor: 1.00
 Disk used to record data.

The following frequency sets based on this setup were used.
 Frequency Set: 4 Setup file default:
 LO sum= 86210.99 86210.99 86226.99 86242.99 86258.99
 BBC Fz= 376.99 376.99 392.99 408.99 424.99
 Bandwd= 16.000 16.000 16.000 16.000 16.000
 Track assignments are:
 track1= 2, 18, 3, 19, 66, 82, 67, 83
 barrel=roll_off