

# Correlation of LBA experiments observed in 2009

Experiment code	Observed date	Raw data received	Correlation finished	Verified	Pipelined	Data distributed	Hours scheduled/hours OK by station																							
							Parkes		ATCA		Mopra		Hobart		Ceduna		DSS43		DSS45/DSS34		Tigo		O'Higgins		Shanghai					
							Sched	OK	Sched	OK	Sched	OK	Sched	OK	Sched	OK	Sched	OK	Sched	OK	Sched	OK	Sched	OK	Sched	OK	Sched	OK		
v252k	20090223	20090603	20091201	Hayley 20091201	Aquib 20100325	20091201	23	22.5 <sup>1)</sup>	23	23	23	23	23	23	21.8 <sup>2)</sup>	23	23	-	-	9 <sup>3)</sup>	6.2 <sup>4)</sup>	23	23	23	23 <sup>5)</sup>	-	-			
v255d	20090224	20090417	20090908	Hayley 20090908	Aquib 20091117	20090908	12	11.8 <sup>6)</sup>	12	12	12	12	12	7.7 <sup>7)</sup>	12	11.7 <sup>8)</sup>	-	-	-	-	-	-	-	-	-	-	-			
vx014b	20090225	20090418	20100304	Hayley 20100304		20100304	10	10	10	10	10	10	10	0 <sup>9)</sup>	10	10	-	-	-	-	-	-	-	-	-	-	-			
v292a	20090225	20090418	20100326	Hayley 20100419	Aquib 20100505	20100419	3.5	3.5	3.5	3.5	3.5	3.5	3.5	0 <sup>10)</sup>	3.5	3.5	-	-	-	-	-	-	-	-	-	-	-			
v255e	20090225	20090418	20100505	Hayley 20100505		20100505	11	11	11	11	11	11	11	0 <sup>11)</sup>	11	9.4 <sup>12)</sup>	-	-	-	-	-	-	-	-	-	-	-			
v275b	20090226	20090418	20100426	Hayley 20100427	Aquib 20100505	20100427	8.5	8.5	8.5	8.4 <sup>13)</sup>	8.5	8.5	8.5	8.5	8.5	6.1 <sup>14)</sup>	-	-	6.5 <sup>15)</sup>	6.5	-	-	-	-	-	-	-			
v277b	20090226	20090409	20090507	Adam	Aquib 20090803	20090507	6	6	6	6	6	6	6	6	6	6 <sup>16)</sup>	-	-	-	-	-	-	-	-	-	-	-			
v252l	20090227	20090630	20100320	Hayley 20100322		20100322	24	24	24	24	24	24	24	24	24	23.6 <sup>17)</sup>	-	-	10 <sup>18)</sup>	10	24	24	24	20 <sup>19)</sup>	-	-				
v293a	20090301	20090407	20100202	Hayley 20100202	Aquib 20100505	20100203	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	-	-	5 <sup>20)</sup>	5	-	-	-	-	-	-	-			
v275c	20090702	20090725	20100516	Hayley 20100517		20100517	19	19	19	7 <sup>21)</sup>	19	17.9 <sup>22)</sup>	19	19	19	19	-	-	-	-	-	-	-	-	-	-				
v252m	20090703	20090729	20100610	Cormac 20100610	Cormac 20100610	20100610	24	23.2 <sup>23)</sup>	24	7 <sup>24)</sup>	24	22.5 <sup>25)</sup>	24	24	24	21.5 <sup>26)</sup>	9.6 <sup>27)</sup>	9.4 <sup>28)</sup>	-	-	-	-	-	-	-	-	-			
v311a	20090704	20090728	20100625	Cormac 20100625	Cormac 20100625	20100625	10	10	10	7 <sup>29)</sup>	10	10	10	9.3 <sup>30)</sup>	10	9.3 <sup>31)</sup>	5.6 <sup>32)</sup>	5.6	-	-	-	-	-	-	-	-	-			
p685	20090706	20090716					4	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	4	0 <sup>33)</sup>				
v255f	20090904	20090922	20100628	Cormac 20100628	Cormac 20100628	20100628	12	12	12	12	12	11 <sup>34)</sup>	12	11.5 <sup>35)</sup>	12	12	-	-	-	-	-	-	-	-	-	-	-			
v316a_1v316a_2	20090904	20090922	20100622	Cormac 20100622	Cormac 20100622	20100622	8	8	8	7.4 <sup>36)</sup>	8	8	8	8	8	8	-	-	-	-	-	-	-	-	-	-				
v255g	20090905	20090928	20100705	Cormac 20100705	Cormac 20100705	20100705	15	15	15	15	15	15	15	15	15	15	-	-	-	-	-	-	-	-	-	-				
v252n	20090905	20100429	20100707	Cormac 20100707	Cormac 20100707	20100707	24	23.6 <sup>37)</sup>	24	22.7 <sup>38)</sup>	24	24	24	24	24	21.8 <sup>39)</sup>	23.5	23.5	-	-	24	24	-	-	-	-				
v310a <sup>40)</sup>	20091210	20100114					12	4 <sup>41)</sup>	12		12		12		12	4 <sup>42)</sup>	-	-	-	-	-	-	-	-	-	-				
v318a <sup>43)</sup>	20091210	20100111					6		6	4 <sup>44)</sup>	6		6		-	-	-	-	-	-	-	-	-	-	-	-				
v255h	20091210	20100113	20100721	Cormac 20100721	Cormac 20100721	20100721	9	6.2 <sup>45)</sup>	9	9	9	9	9	9	8.9 <sup>46)</sup>	9	9	-	-	-	-	-	-	-	-	-				
v316b	20091211	20100113	20100712	Cormac 20100712	Cormac 20100712	20100712	9	9	9	9	9	9	9	9	9	9	9	-	-	-	-	-	-	-	-	-				
v277c	20091211	20100108	20100813	Hayley/Adam 20100821	Cormac (unbinned pass)	20100813	8	8	8	8	8	7.6 <sup>47)</sup>	8	3.3 <sup>48)</sup>	8	8	3.3 <sup>49)</sup>	2.9 <sup>50)</sup>	-	-	-	-	-	-	-	-				
v190m	20091212	20100107	20100913	Hayley 20100914	Hayley 20100914	20100914	10	10	10	10	10	10	10	9.9	10	10	5 <sup>51)</sup>	5	-	-	-	-	-	-	-	-				
v252o	20091213	20100429	20100730	Cormac 20100730	Cormac 20100730	20100730	23	23	23	22.9 <sup>52)</sup>	23	23	23	21 <sup>53)</sup>	23	23	-	-	-	-	23	0 <sup>54)</sup>	23	23	-	-				

- 1) Windstow UT 05:56-06:23
- 2) Antenna problems UT 06:28-07:38. Windstow 11:34-12:18
- 3) DSS45 scheduled UT 09:55-15:30, DSS34 17:45-20:10
- 4) Azimuth drive problem UT 10:10-12:59
- 5) 80 kHz LO offset, corrected in correlation using DiFX 2.0
- 6) 00:03UT freq change was 10 mins late
- 7) Windstow UT 17:31-19:50. Observing terminated at 22:59:30 to sort out antenna safety issue (brakes)
- 8) missing files on disk UT 23:55:10-00:15:30 - possible operator error setting length of recording?
- 9) , ,
- 10) ,
- 11) ,
- 12) did not participate due to urgent work on antenna safety issue with the brakes
- 13) Windstows UT 23:04-23:14, 22:58-00:21, 00:34-00:51, 01:41-02:15, 02:17-02:30
- Off source to rerun CACAL UT 06:00-06:08
- Windstows UT 10:14-10:21, 10:34-11:30, 12:13-13:07, 13:18-13:42

- 15) scheduled UT 07:30-14:00, DSS34 L pol, DSS45 R pol
- 16) Ceduna phase fluctuations on short timescales noted by PI - a severe problem for this experiment
- 17) Windstows UT 05:48-05:55, 07:24-07:32, 07:37-07:44
- 18) scheduled UT 07:30-17:30
- 19) 80 kHz LO offset, corrected in correlation using DiFX 2.0. Last ~4h of recording missing! SNR reduced after 08:30 UT, data after this time may not be usable.
- 20) DSS45
- 21) problems setting up tied array with new CABB system
- 22) Windstows UT 21:45-22:18, 22:30-22:47, 23:45-02:36
- 23) Windstow UT 04:15-04:29
- 24) DAS problem, CABB issues, windstow UT 05:07-05:32
- 25) Windstows UT 03:45-04:01, 12:12-12:33, 14:46-15:15, 19:30-19:52
- 26) Drive problem UT 20:15-22:46
- 27) scheduled UT 08:45-18:20
- 28) Stopped to fix subreflector problem UT 10:20-10:30
- 29) CABB issues. Schedule offset by 5 minutes until UT 13:40
- 30) Windstow UT 12:10-12:16. Out of synch due to draft schedule running UT 13:15-13:40
- 31) Started late at UT 09:22 due to FS problem. Out of synch due to draft schedule running UT 13:15-13:40
- 32) scheduled UT 09:15-14:50
- 33) data lost
- 34) ~1 hour late start due to receiver problems. Storm stow 05:51-06:41
- 35) 2nd LO unlocked UT 04:40-04:56. DAS aborted UT 10:08-10:30
- 36) Off source UT 00:00-00:36
- 37) Windstow UT 20:35-21:00
- 38) Late start at UT 22:20 due to CABB problems
- 39) Many windstows
- 40) multi phase centre - waited for DiFX upgrade. SEE 2012 RECORDS
- 41) A number of windstows UT 02:16-03:01, 03:32-04:05, 06:40?

42)  
Windstows, rack power outage. Lost time UT 02:26-02:32, 03:11-03:18, 04:30-04:50, 05:10-05:20, 07:11-07:16

43)  
phased array experiment - Tom's honours project

44)  
Started recording at UT 15:20. Off schedule to rerun CACAL UT 15:35-15:48

45)  
Late start at UT 01:50 due to receiver change and pointing

46)  
Late with 04:30 frequency change, done at 04:37

47)  
Vertex room aircon failure, stopped to open doors 02:25-02:51

48)  
Windstows UT 23:00-23:20, 00:07-03:38, 03:54-04:26, 05:52-06:12

49)  
Available from 03:40-07:00

50)  
2nd LO frequency incorrect until UT 04:32

51)  
Observed UT 07:04-11:53

52)  
Late start

53)  
Stopped to service receiver cryos UT 07:33-09:02. Agilent LO failed on receiver UT 12:30-13:02

54)  
No obs. Station closed

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