

V&V Reference Report

L2 ASCDS Version : 8.5.1

Observation 4558 - L2 Version 3
Chandra X-Ray Center

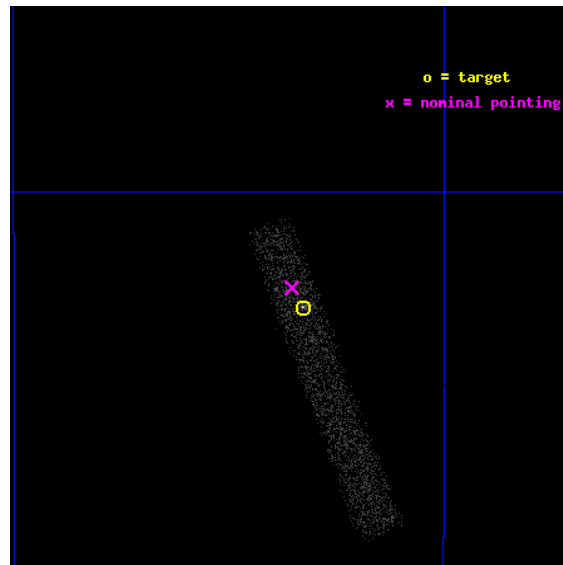
L2 Processing Date : Dec 16 2012

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1 Front

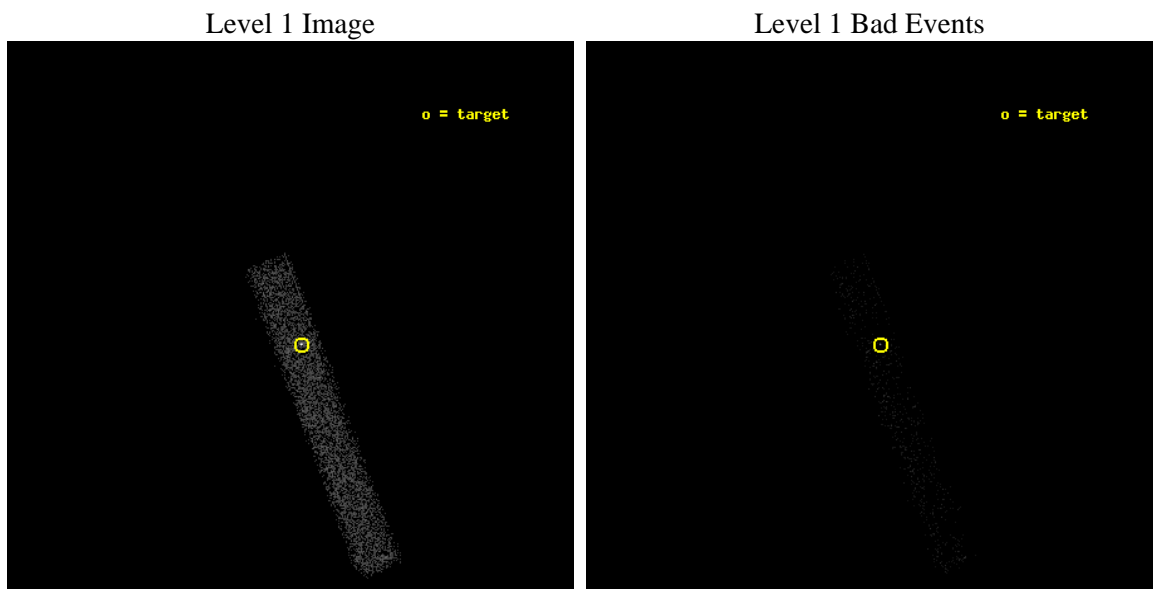
seq_num	400341	Sequence number
obs_id	4558	Observation id
title	Monitoring the ultraluminous x-ray source in NGC 5408	Proposal tit
observer	Prof. Philip Kaaret	Principal investigator
object	NGC 5408 ULX	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	210.831667	Observer's specified target RA [deg]
dec_targ	-41.382972	Observer's specified target Dec [deg]
ra_nom	210.83831136172	Nominal RA [deg]
dec_nom	-41.37469873558	Nominal Dec [deg]
roll_nom	69.462793306917	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5158.8000768423	Sum of GTIs [s]
livetime	4678.7593659009	Livetime [s]
ontime7	5158.8000768423	Sum of GTIs [s]
l2events	4626	Number of level 2 events



2 OBI

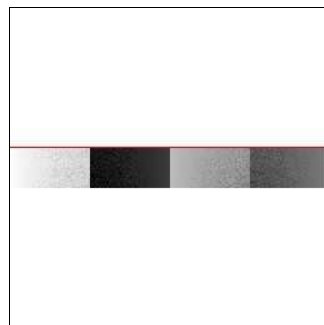
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.5.1	Processing system revision	ontime	5158.8000768423	Sum of GTIs [s]
caldsver	4.5.5	 	ontime7	5158.8000768423	Sum of GTIs [s]
date	2012-12-16T12:26:06	Date and time of file creation	l1events	9806	Number of level 1 events
revision	3	Processing version of data			

2.1.4 Events

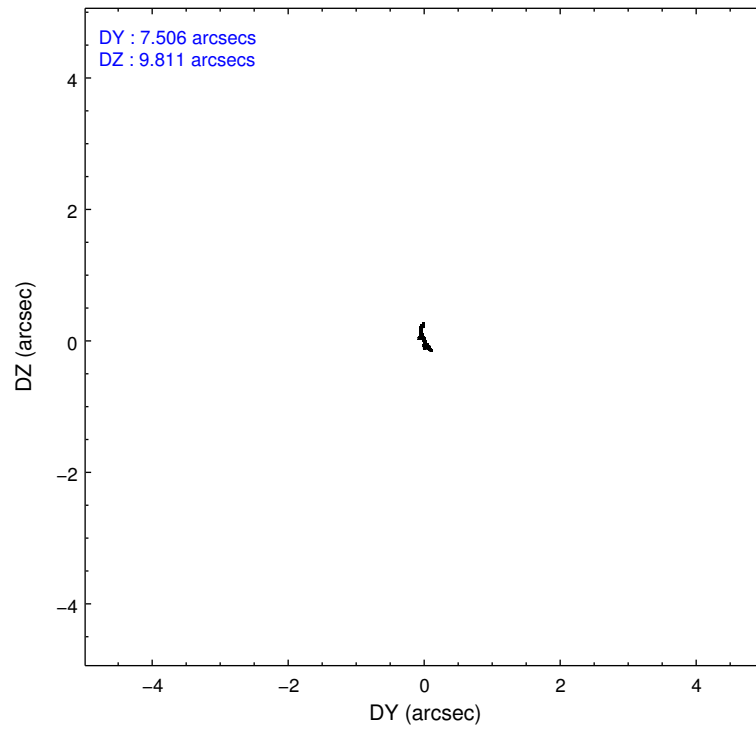
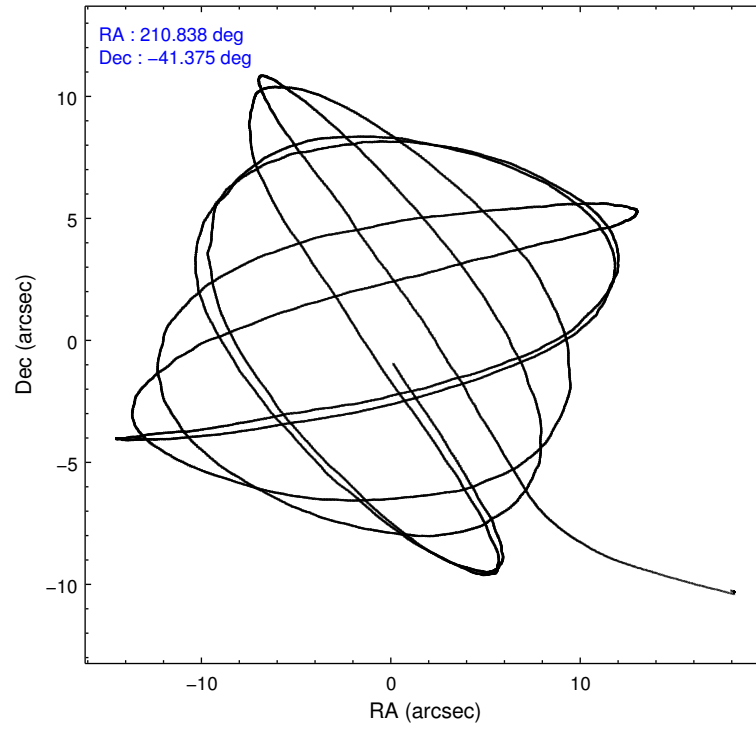
	ccd 7
level 1 events	9806
rejected events	5021
rejected %	51%

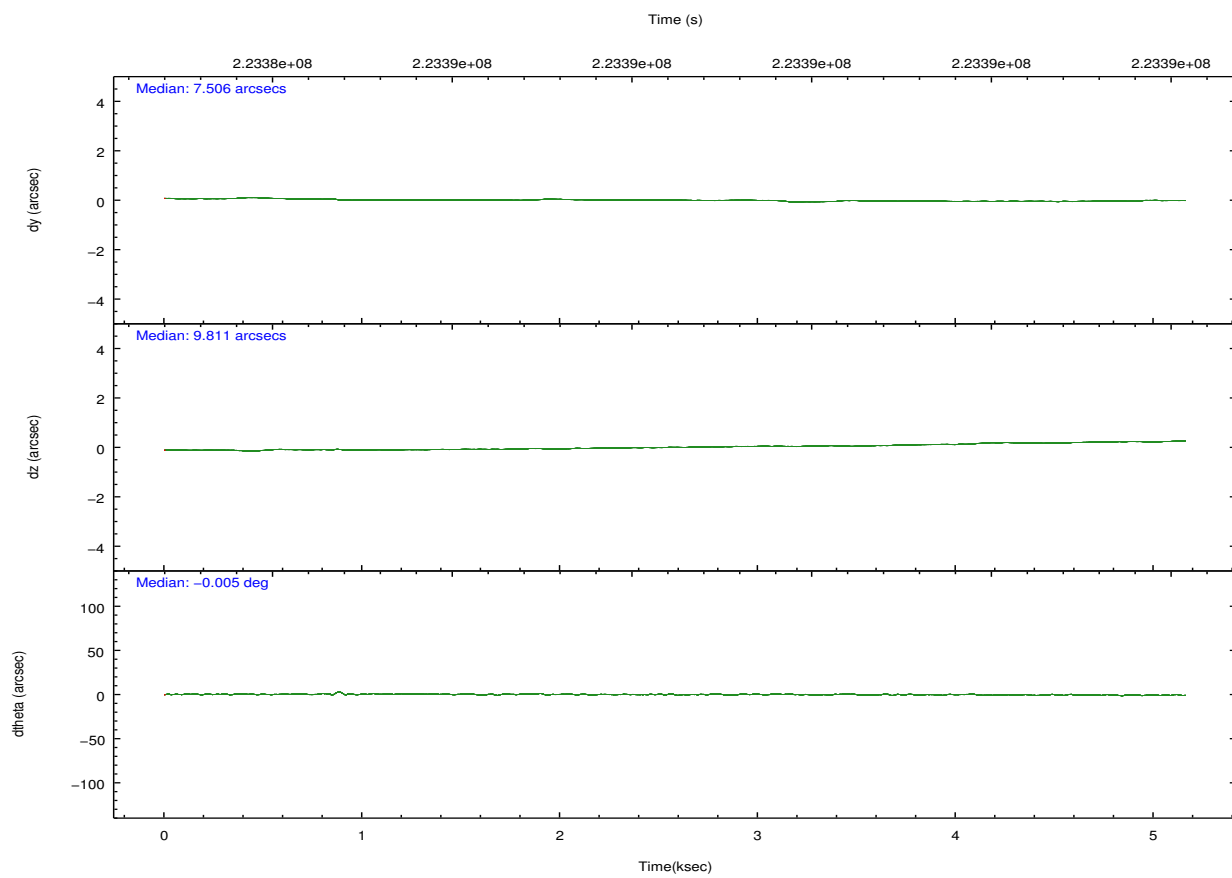
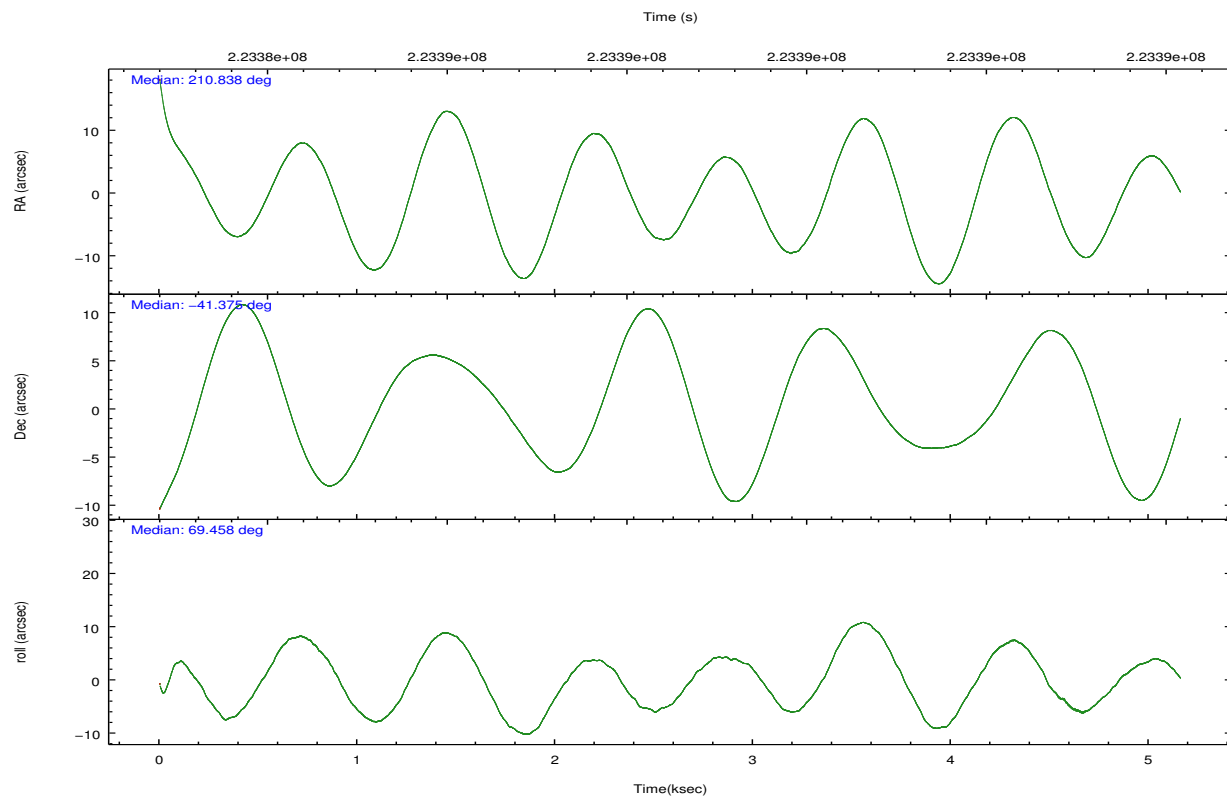
	ccd 7
grade 0 events	910
	9%
grade 1 events	18
	0%
grade 2 events	1112
	11%
grade 3 events	694
	7%
grade 4 events	681
	6%
grade 5 events	786
	8%
grade 6 events	1941
	19%
grade 7 events	3664
	37%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-7	ACIS-7	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	210.844689	210.8383113617208	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-41.401450	-41.37469873557973	Subarray start row	449	449
[deg] Pointing Roll	69.310410	69.46279330691739	Subarray row count	128	128
[s] Window start time (MET)	222566464.184000	222566464.184000	Alternating exposures requested	N	N
[s] Window stop time (MET)	233452863.184000	233452863.184000	[s] Primary exposure time	0.000000	0.4
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	223384820.184000	223383769.57292			
Observation start date	2005-01-29T11:19:16	2005-01-29T11:02:49			
[s] Observation end time (MET)	223389820.184000	223390554.56073			
Observation end date	2005-01-29T12:42:36	2005-01-29T12:55:54			
Read mode	TIMED	TIMED			

2.3 Aspect



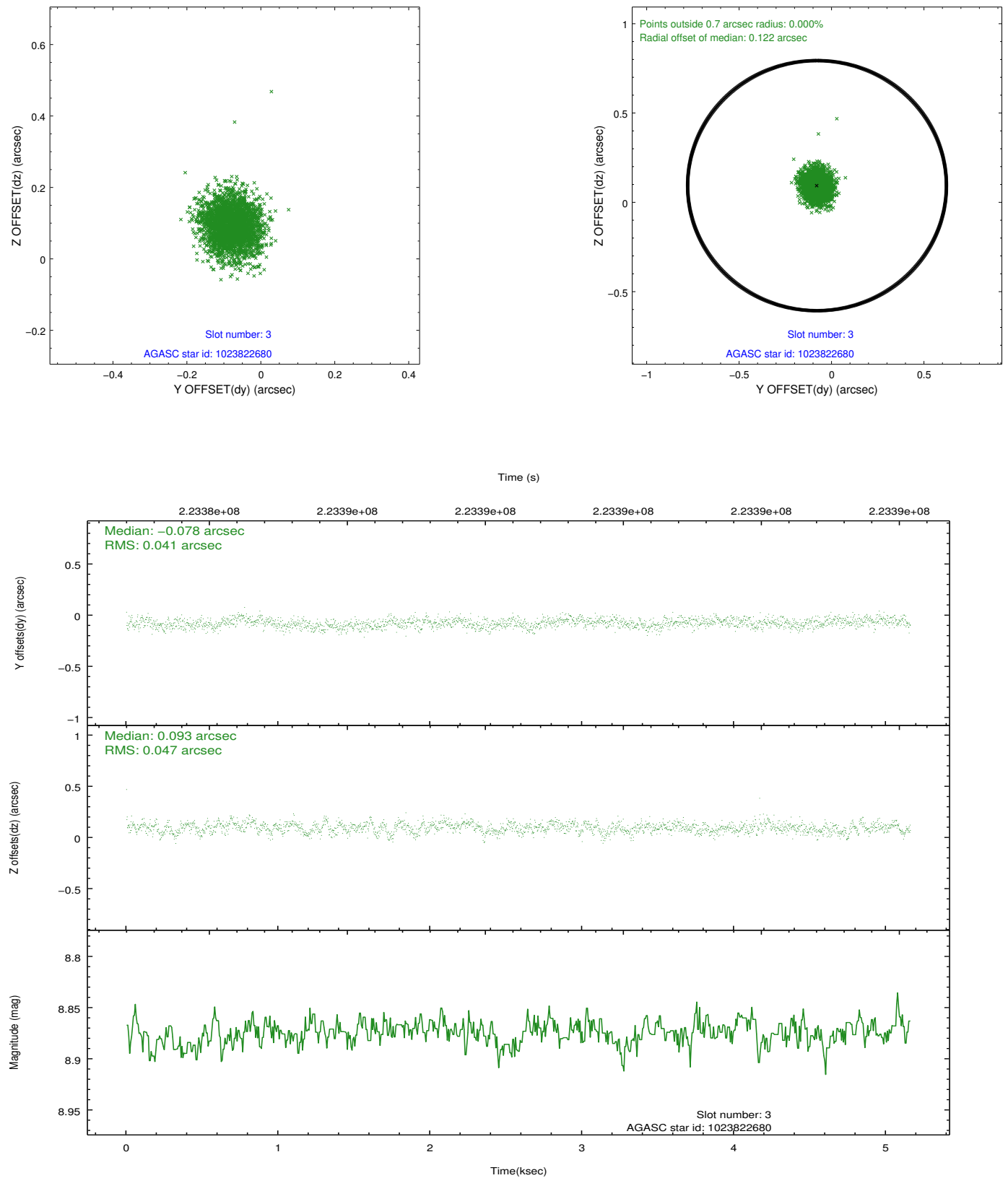


Slot Statistics

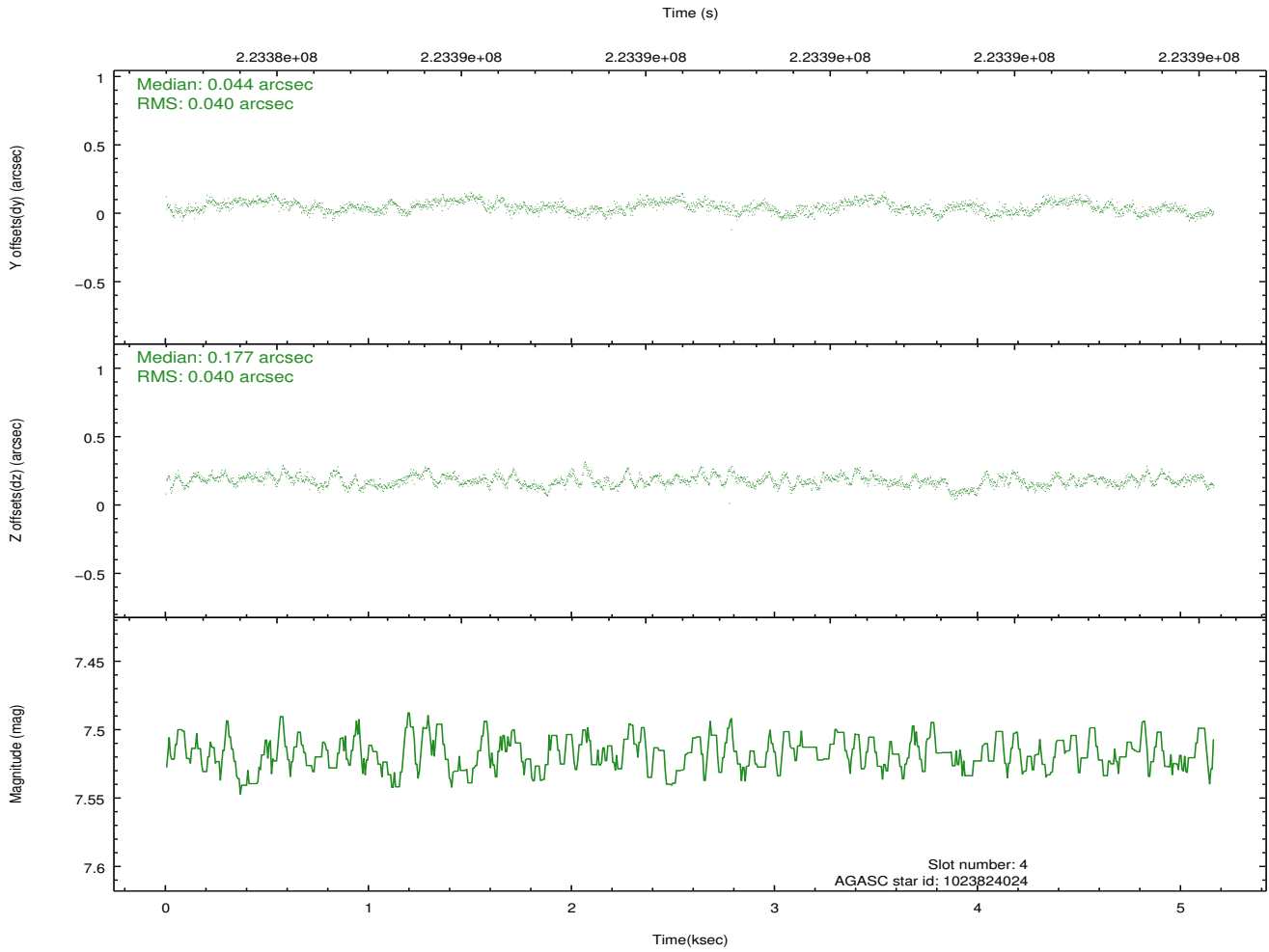
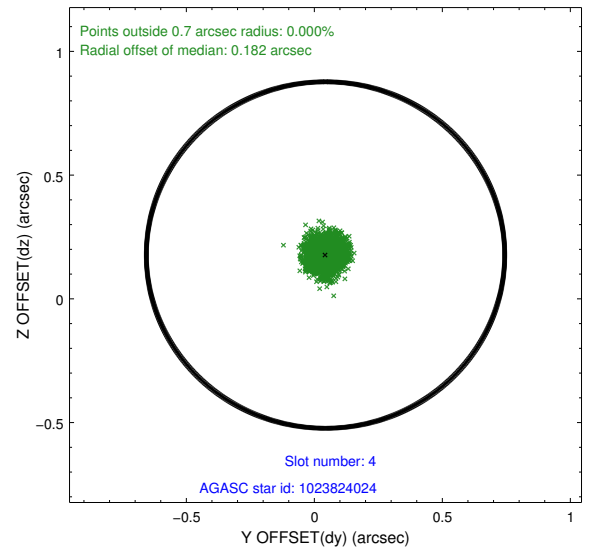
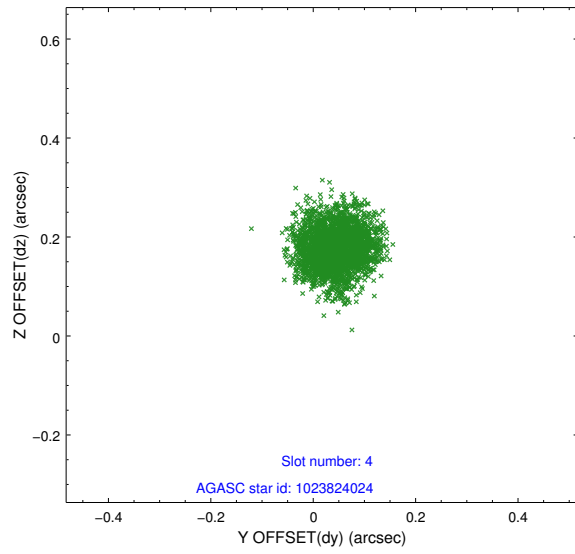
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	1259	-0.043	-0.027	0.010	0.014	0.000000	0.000000	-760.28	-1731.12
1	FID	ACIS-S-4	7.21	1259	0.099	0.028	0.015	0.024	0.000000	0.000000	2152.57	176.27
2	FID	ACIS-S-5	7.24	1259	-0.087	0.008	0.010	0.017	0.000000	0.000000	-1811.69	171.18
3	GUIDE	1023822680	8.87	2518	-0.078	0.093	0.066	0.107	211.176618	-41.286245	703.66	-693.33
4	GUIDE	1023824024	7.52	2517	0.044	0.177	0.061	0.094	210.697872	-41.987484	-2112.21	-377.78
5	GUIDE	1023825800	8.70	2517	-0.064	-0.170	0.067	0.109	210.501956	-41.389570	-289.46	880.52
6	GUIDE	1023829016	6.61	2518	-0.065	0.124	0.074	0.143	210.864452	-41.423345	-54.94	-76.73
7	GUIDE	1022113240	8.68	2516	0.157	-0.228	0.085	0.141	209.911894	-41.827693	-2332.02	1794.03

2.4 Star Slots

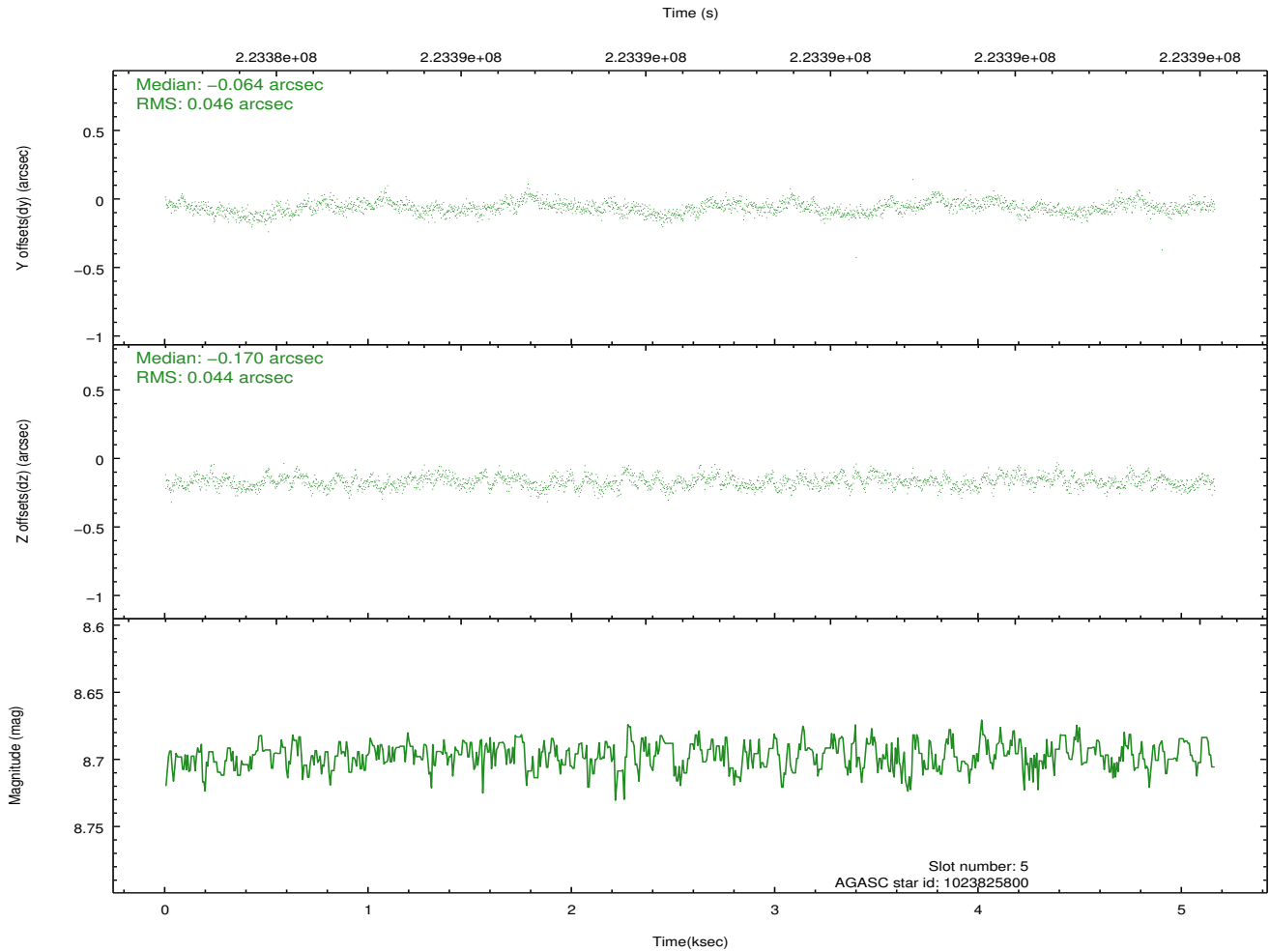
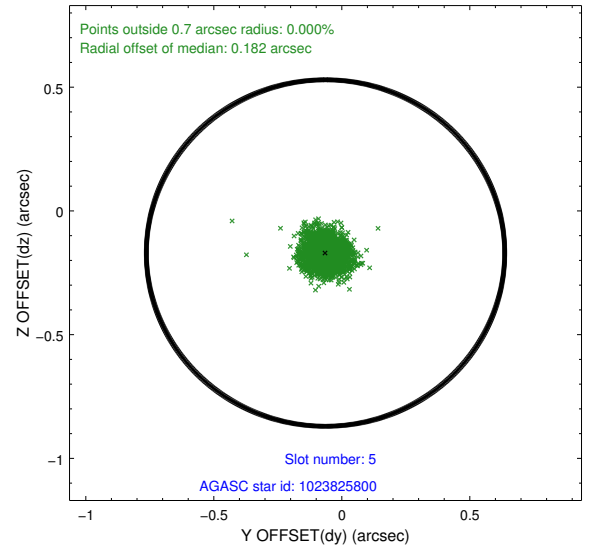
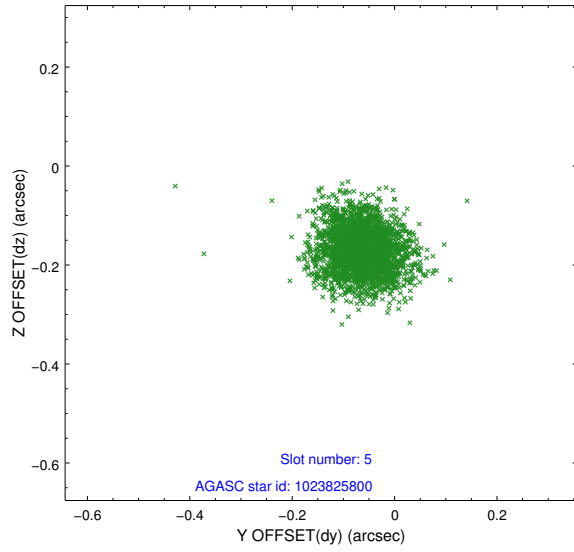
2.4.1 Slot 3



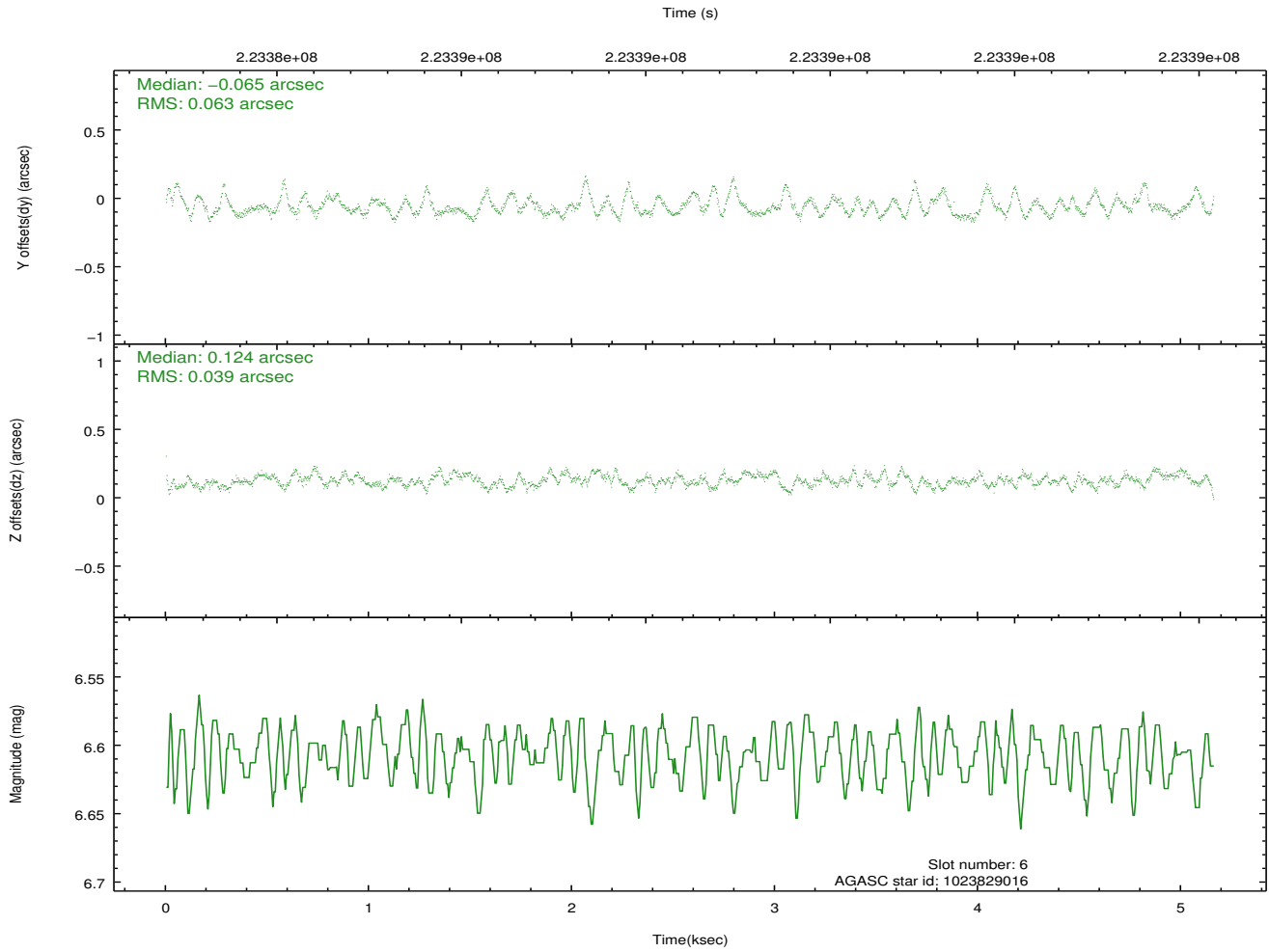
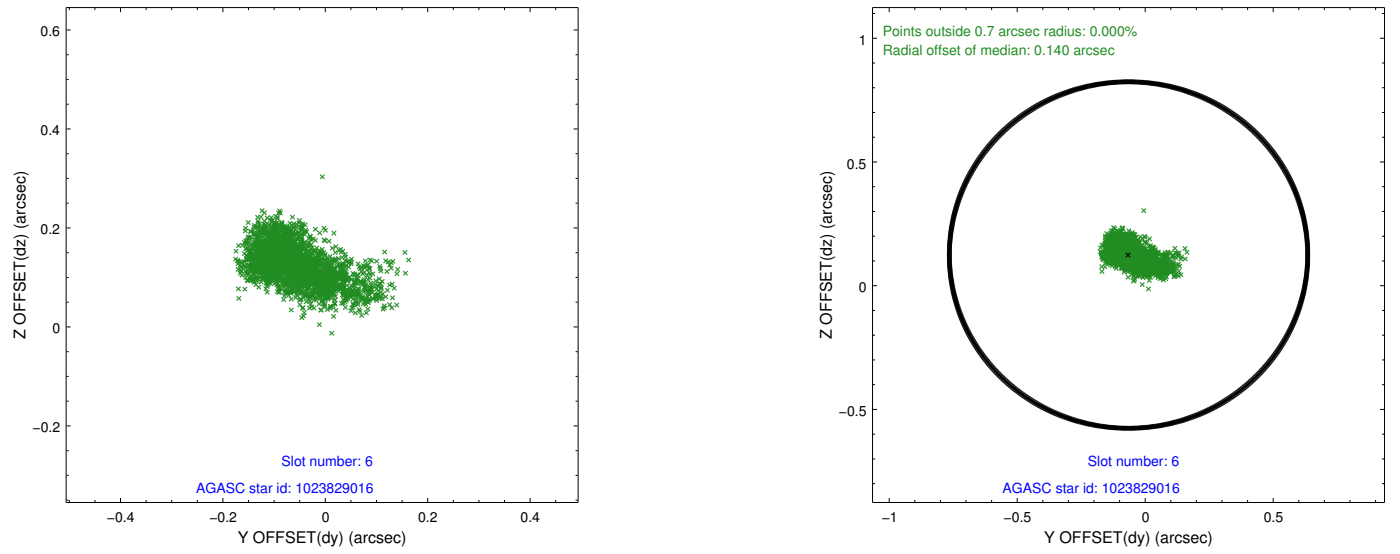
2.4.2 Slot 4



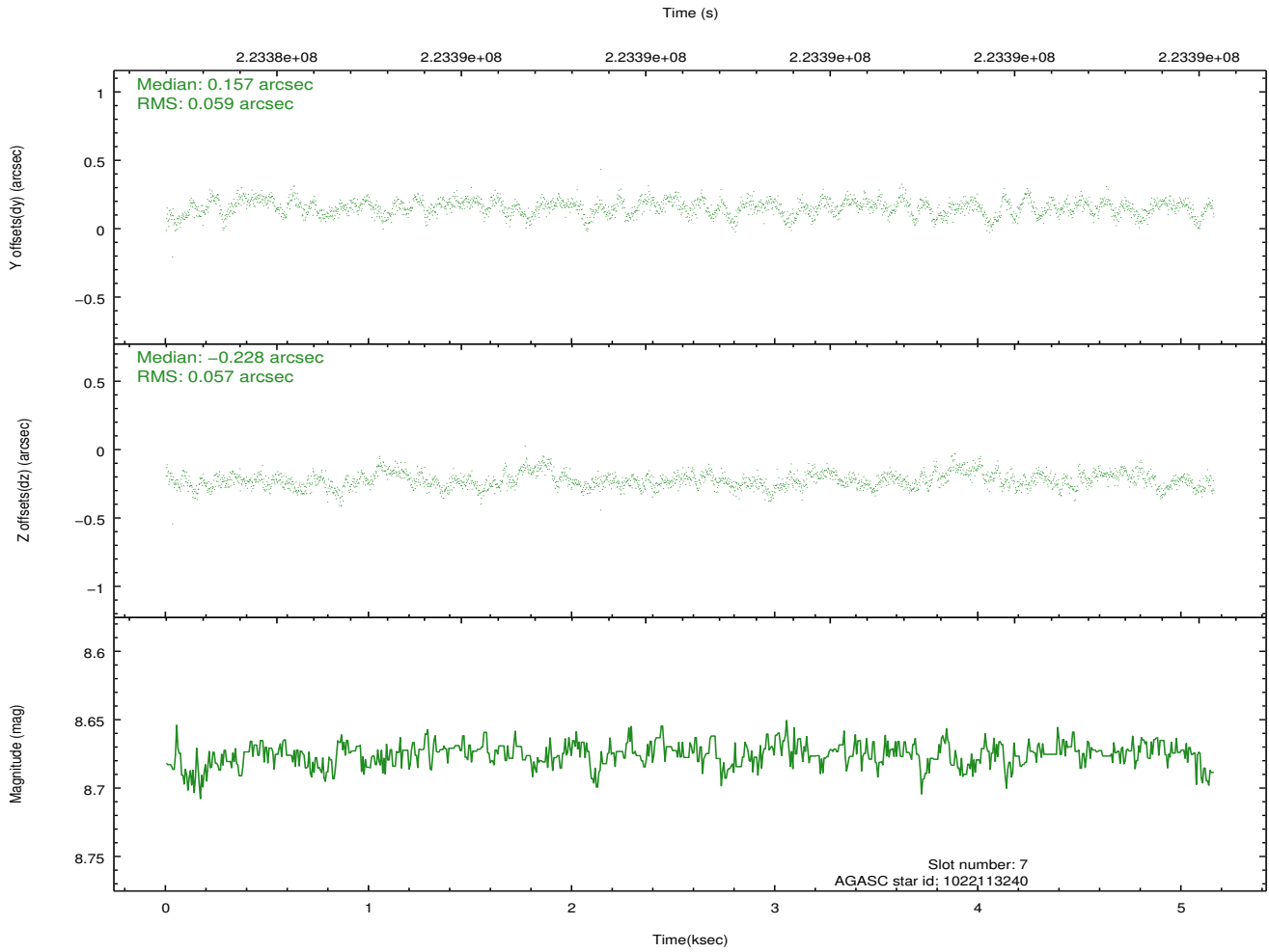
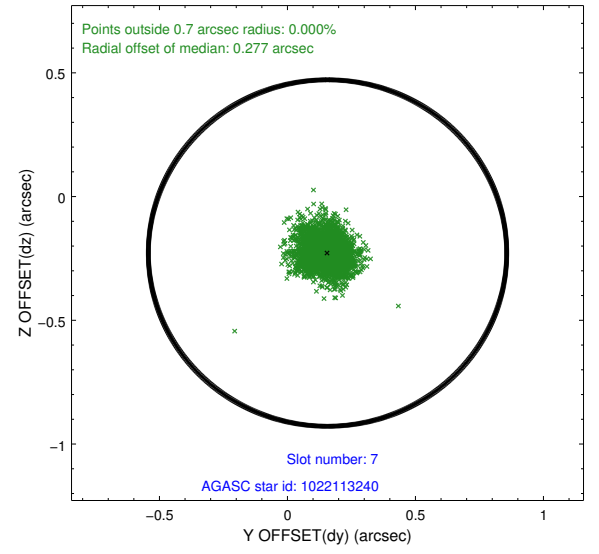
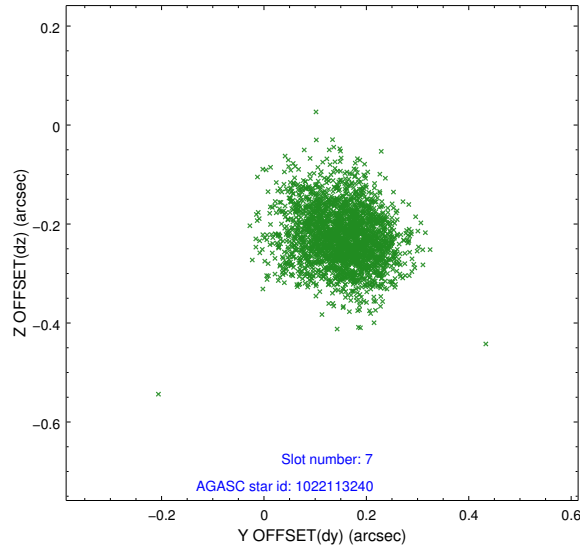
2.4.3 Slot 5



2.4.4 Slot 6

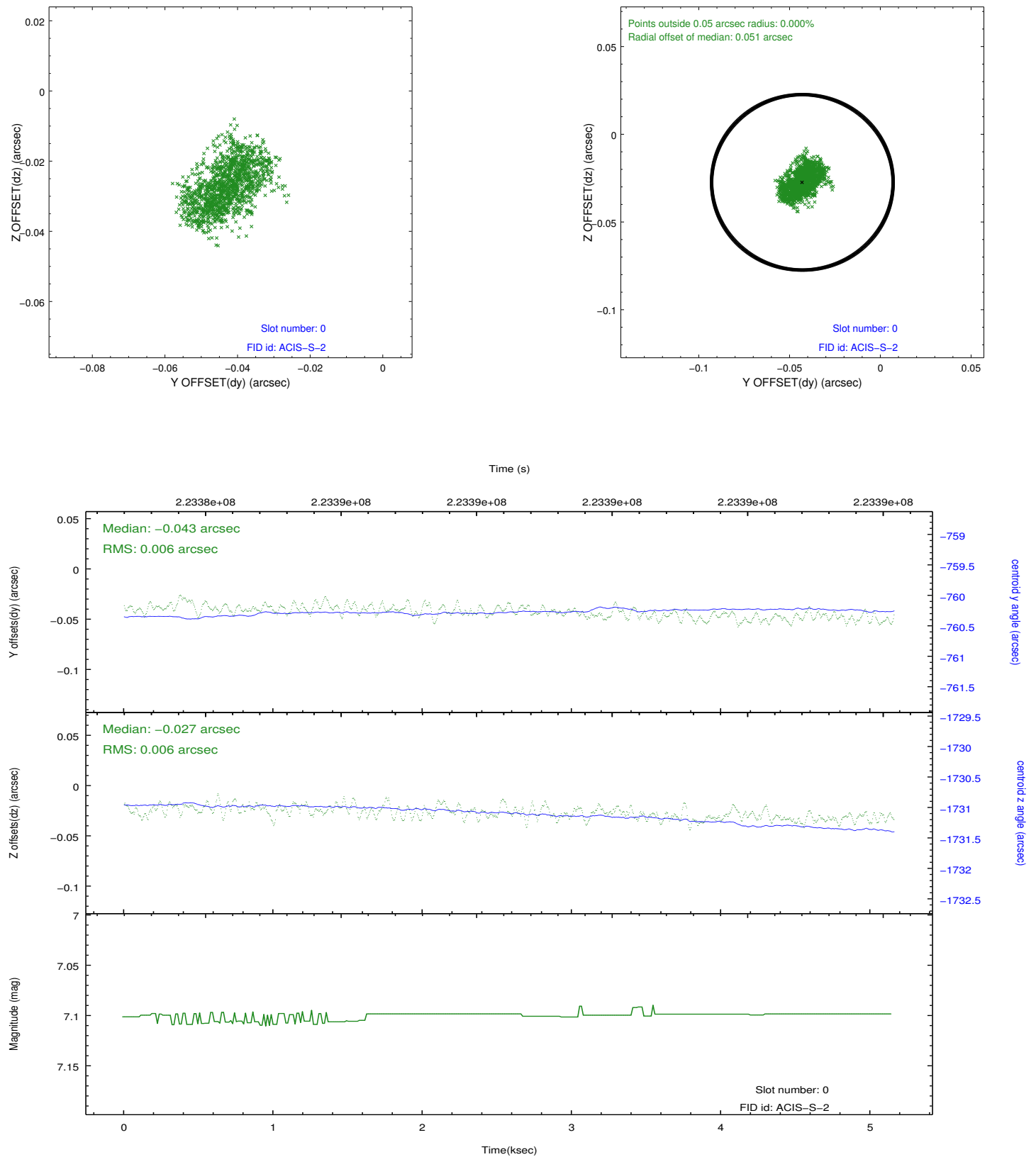


2.4.5 Slot 7

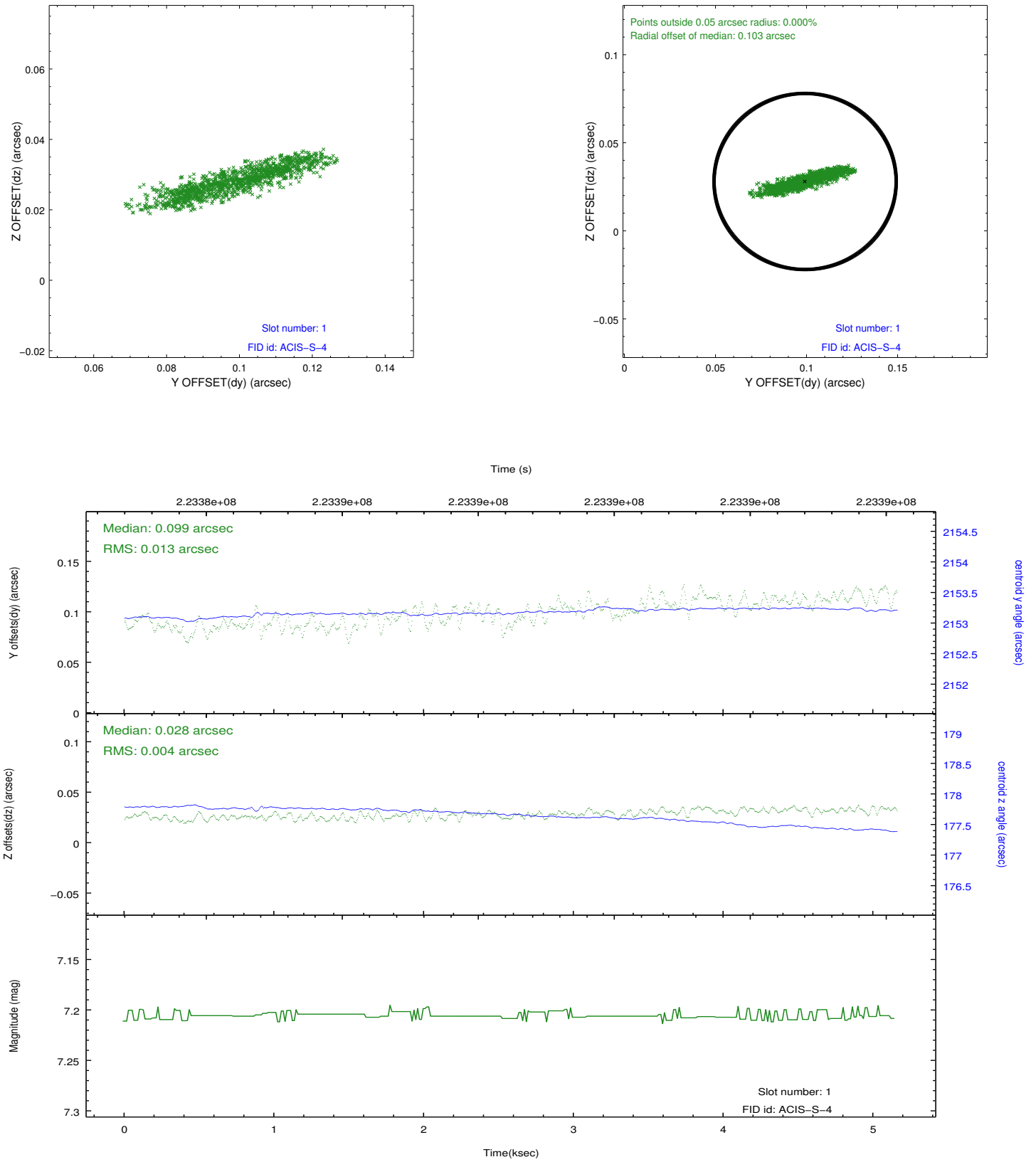


2.5 FID Slots

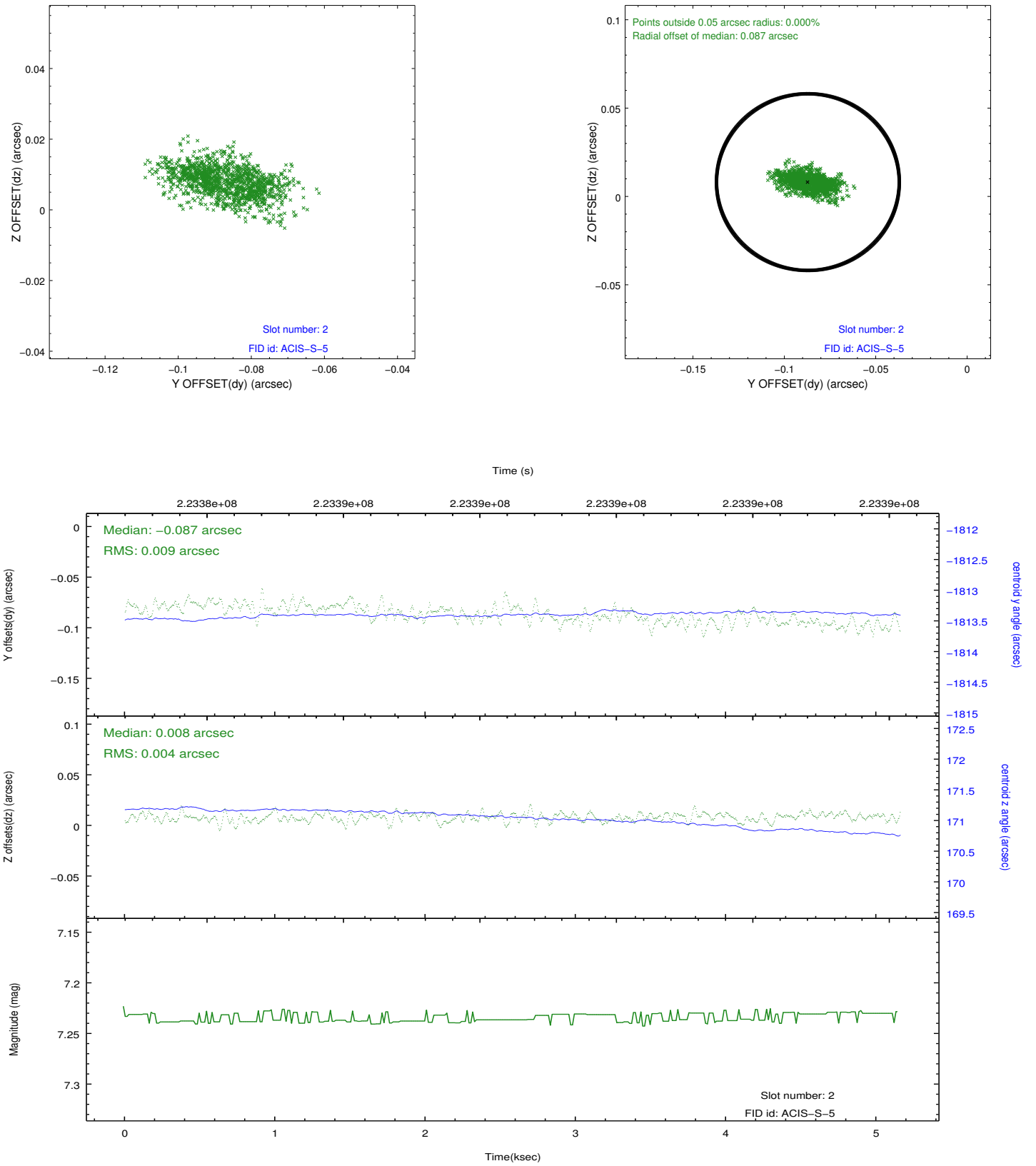
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2013.01.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.1588

A.2 Comments

Window constraint met. Joint Proposal: NRAO