

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 12846 - L2 Version 2
Chandra X-Ray Center

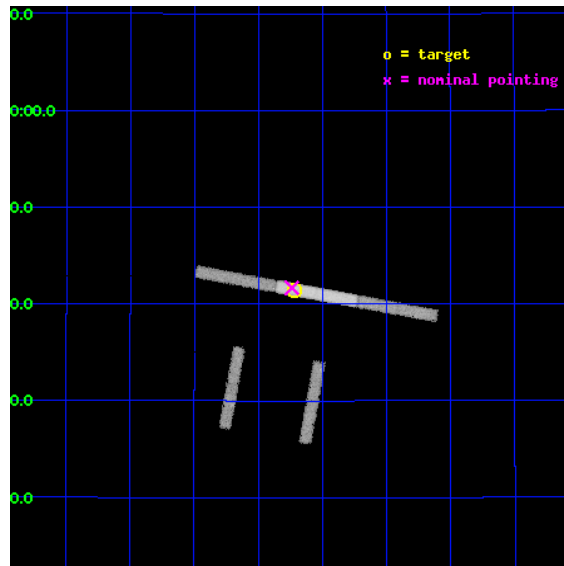
L2 Processing Date : Jul 7 2012

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1 Front

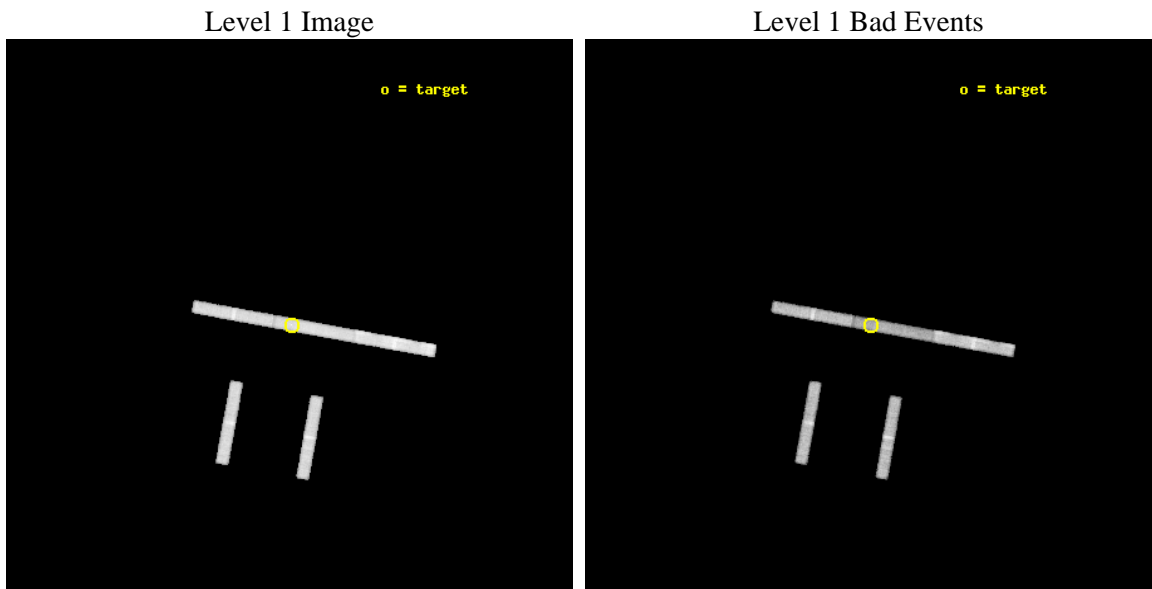
seq_num	702479	Sequence number
obs_id	12846	Observation id
title	X-ray properties of the Youngest Radio Sources	Proposal title
observer	Dr. Aneta Siemiginowska	Principal investigator
object	CTD93	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	242.305417	Observer's specified target RA [deg]
dec_targ	26.691389	Observer's specified target Dec [deg]
ra_nom	242.30946651933	Nominal RA [deg]
dec_nom	26.694629404837	Nominal Dec [deg]
roll_nom	10.294953709428	Nominal Roll [deg]
revision	2	Processing version of data
ontime	40064.49725318	Sum of GTIs [s]
livetime	37845.660257511	Livetime [s]
ontime2	40064.333093166	Sum of GTIs [s]
ontime3	40063.67415309	Sum of GTIs [s]
ontime6	40064.456213176	Sum of GTIs [s]
ontime7	40064.49725318	Sum of GTIs [s]
ontime8	40064.37413317	Sum of GTIs [s]
l2events	39320	Number of level 2 events



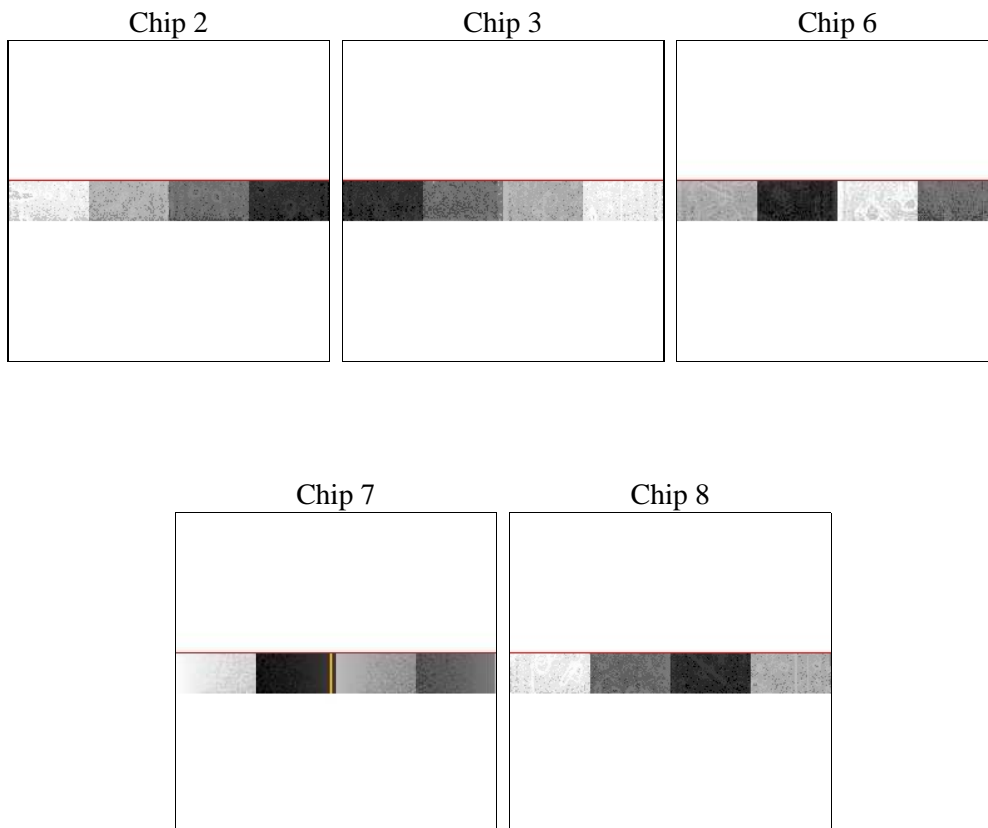
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	40000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	40064.49725318	Sum of GTIs [s]
caldsver	4.5.0	 	ontime2	40064.333093166	Sum of GTIs [s]
date	2012-07-07T18:15:52	Date and time of file creation	ontime3	40063.67415309	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	40064.456213176	Sum of GTIs [s]
			ontime7	40064.49725318	Sum of GTIs [s]
			ontime8	40064.37413317	Sum of GTIs [s]
			l1events	256757	Number of level 1 events

2.1.4 Events

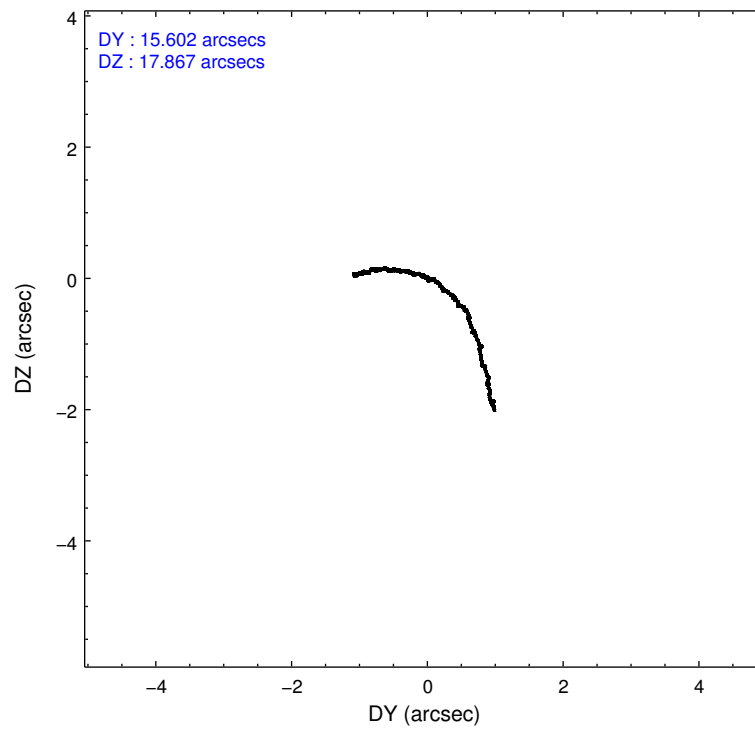
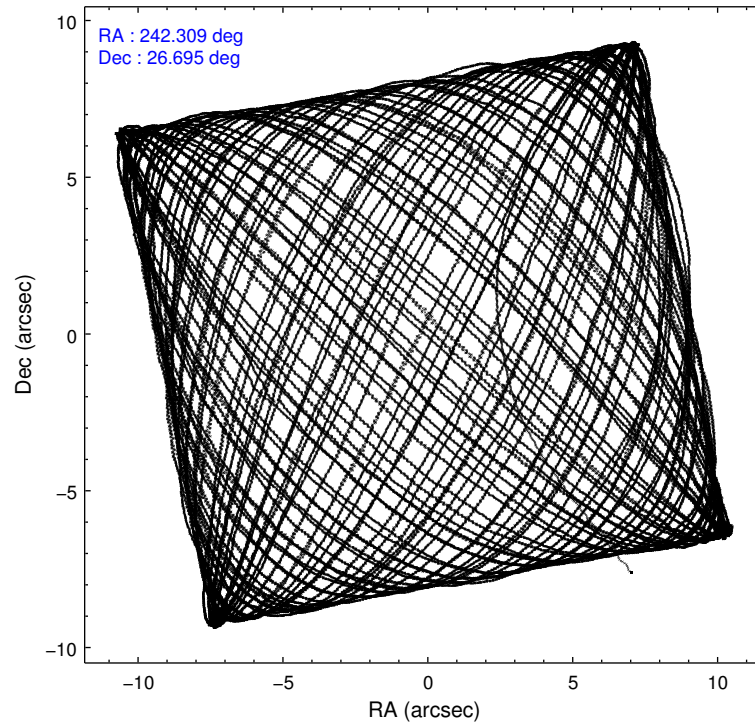
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	45057	44950	47682	49465	69603
rejected events	40049	40053	42275	26246	52879
rejected %	88%	89%	88%	53%	75%

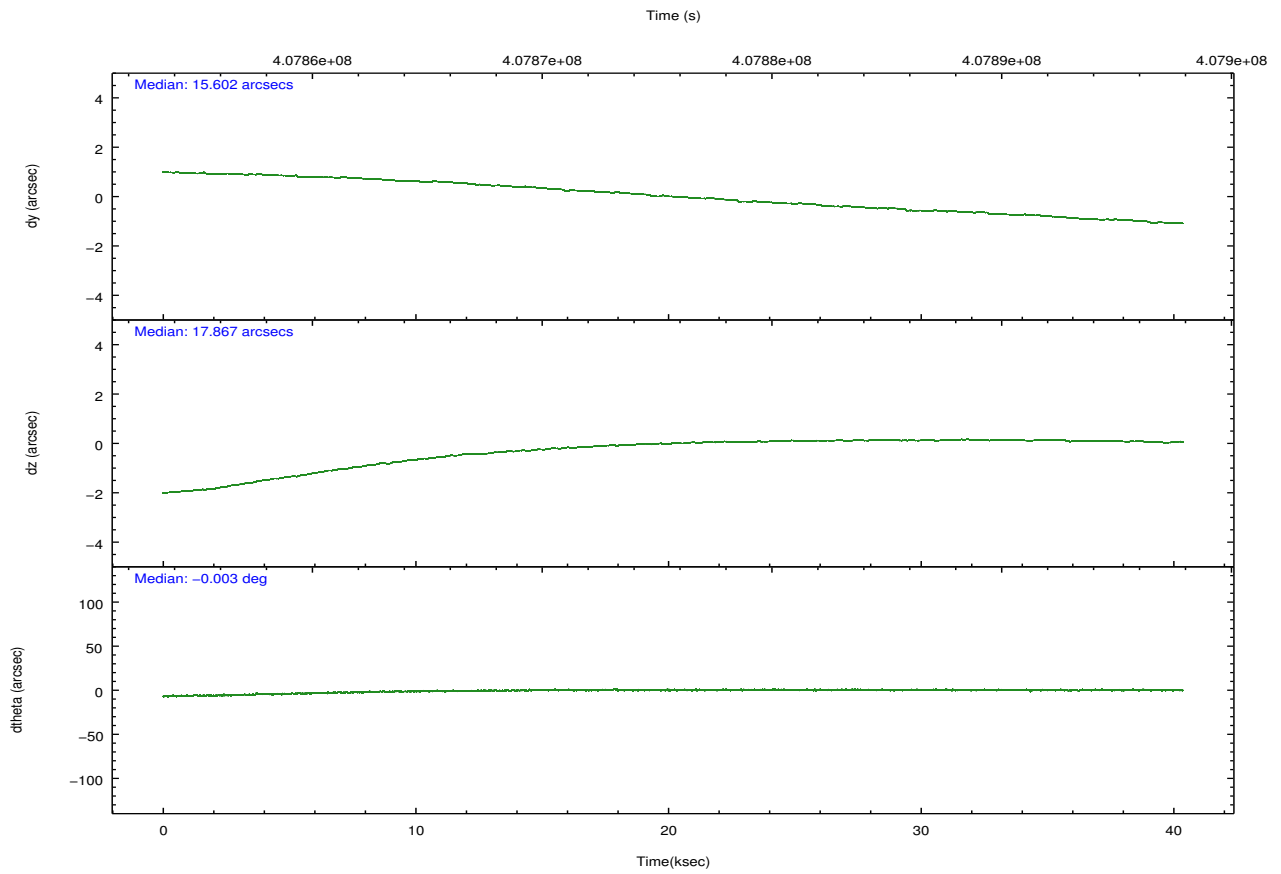
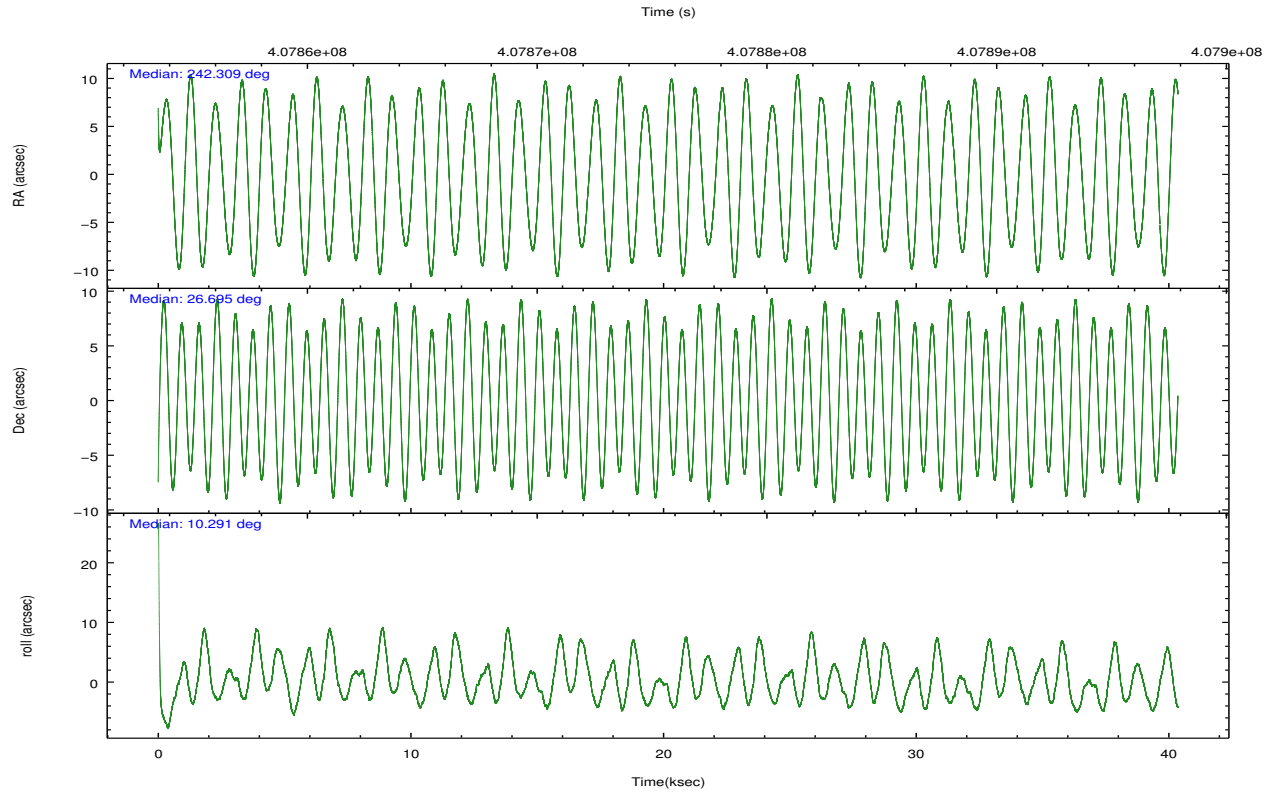
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	1543	1391	1503	2392	4197
	3%	3%	3%	4%	6%
grade 1 events	19	20	19	69	28
	0%	0%	0%	0%	0%
grade 2 events	951	950	966	4845	3593
	2%	2%	2%	9%	5%
grade 3 events	816	872	943	2740	1925
	1%	1%	1%	5%	2%
grade 4 events	860	807	907	2675	1839
	1%	1%	1%	5%	2%
grade 5 events	1418	1663	1775	5207	2493
	3%	3%	3%	10%	3%
grade 6 events	838	877	1088	10567	5170
	1%	1%	2%	21%	7%
grade 7 events	38612	38370	40481	20970	50358
	85%	85%	84%	42%	72%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-23678	ACIS-23678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	242.286380	242.3094665193349	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	26.676661	26.69462940483723	Subarray start row	449	449
[deg] Pointing Roll	10.148686	10.29495370942805	Subarray row count	128	128
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	0.7
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	407855879.184000	407854339.25013			
Observation start date	2010-12-04T13:16:53	2010-12-04T12:52:19			
[s] Observation end time (MET)	407895879.184000	407896659.45232			
Observation end date	2010-12-05T00:23:33	2010-12-05T00:37:39			
Read mode	TIMED	TIMED			

2.3 Aspect



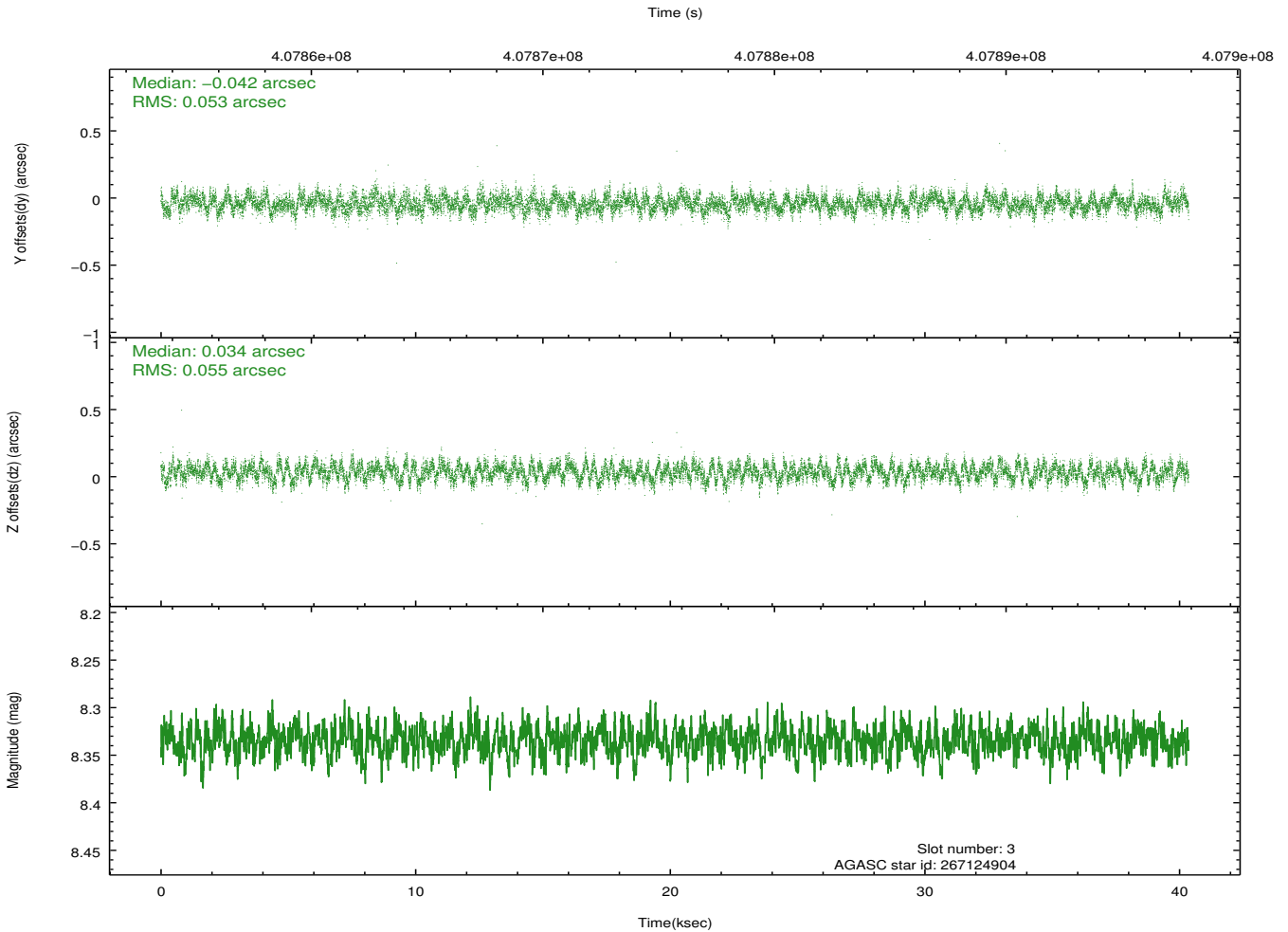
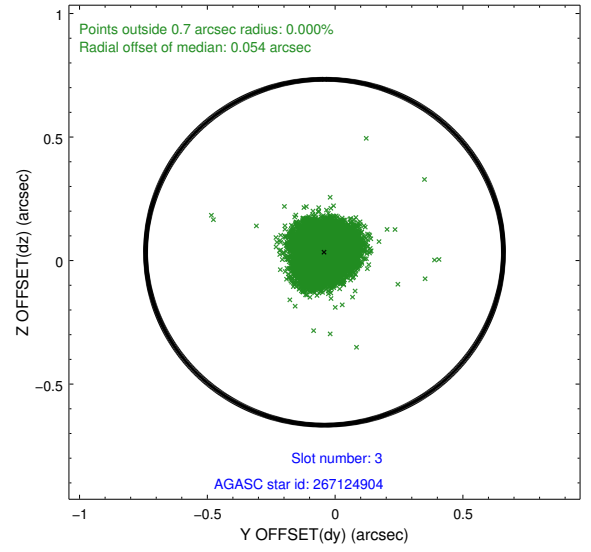
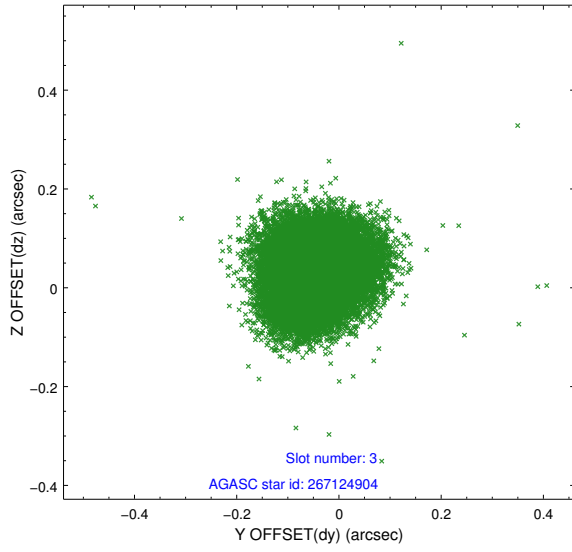


Slot Statistics

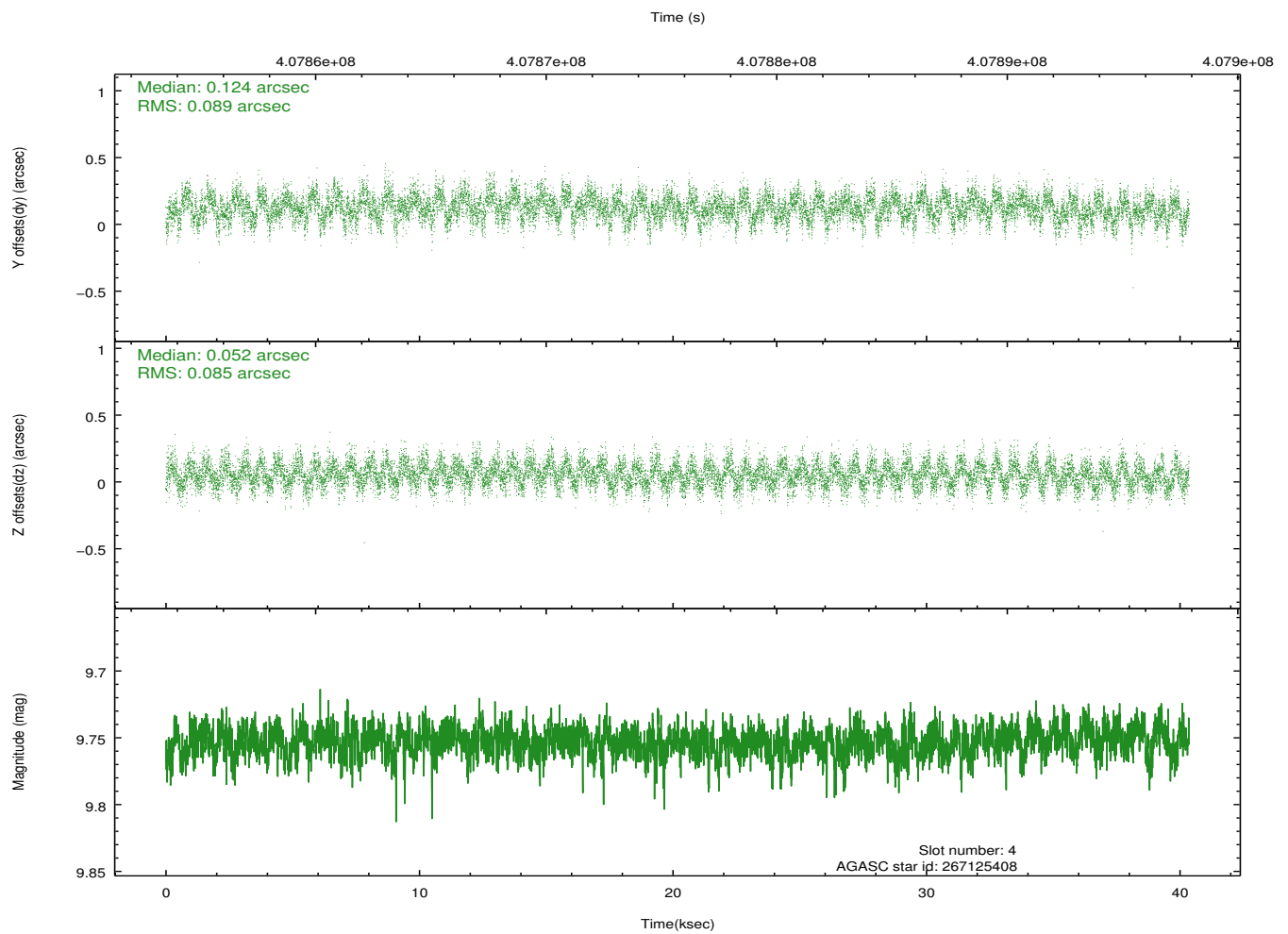
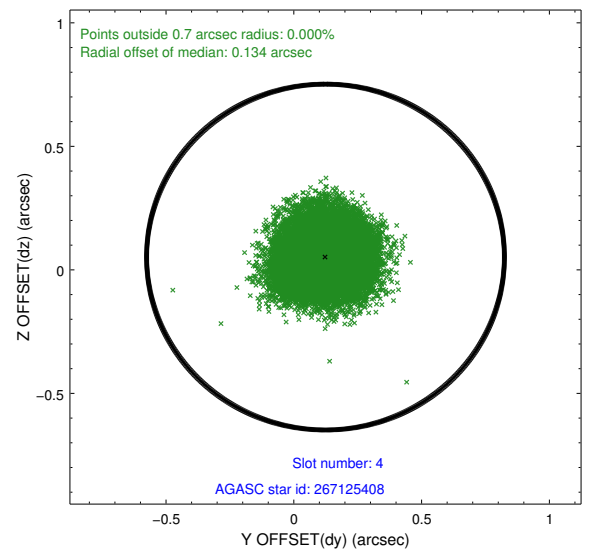
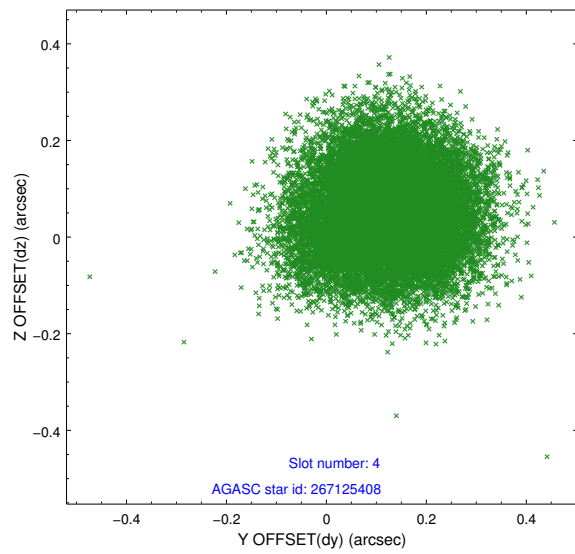
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.89	9845	-0.075	-0.047	0.017	0.036	0.000000	0.000000	-768.71	-1738.99
1	FID	ACIS-S-4	6.97	9845	0.181	0.047	0.017	0.026	0.000000	0.000000	2144.86	169.51
2	FID	ACIS-S-5	7.00	9845	-0.132	0.008	0.027	0.046	0.000000	0.000000	-1821.56	163.23
3	GUIDE	267124904	8.33	19680	-0.042	0.034	0.082	0.128	242.738242	26.398521	1258.72	-1239.64
4	GUIDE	267125408	9.75	19649	0.124	0.052	0.133	0.210	241.735488	26.109472	-2111.99	-1692.10
5	GUIDE	267138848	7.70	19691	-0.084	-0.257	0.069	0.117	242.782933	26.892186	1706.83	484.97
6	GUIDE	268698408	9.09	19663	0.007	0.177	0.103	0.170	242.905785	26.421824	1805.49	-1249.90
7	GUIDE	268704056	9.10	19672	-0.003	-0.014	0.081	0.131	242.906654	27.293656	2345.97	1841.82

2.4 Star Slots

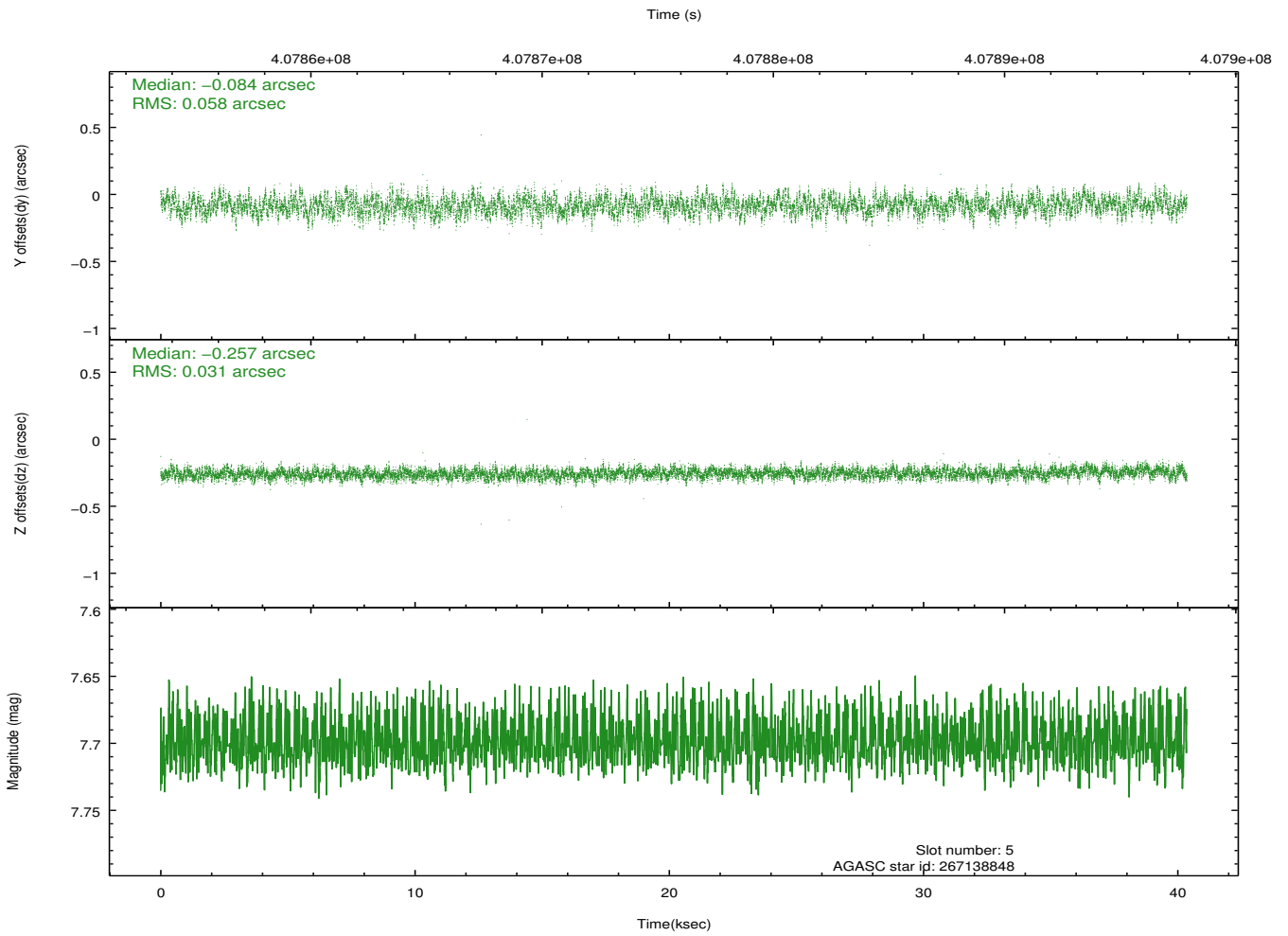
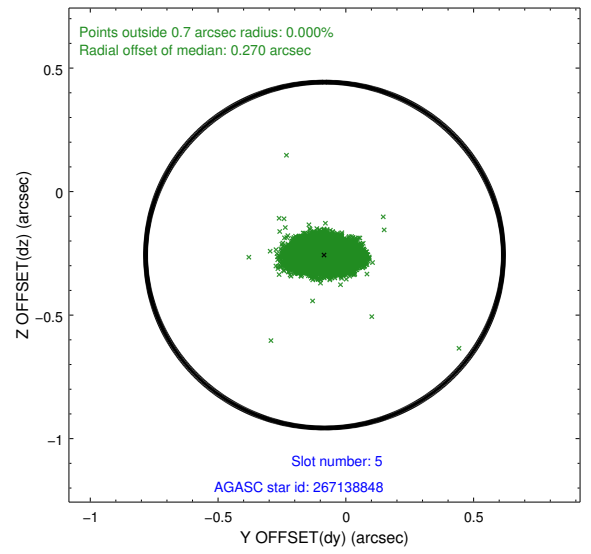
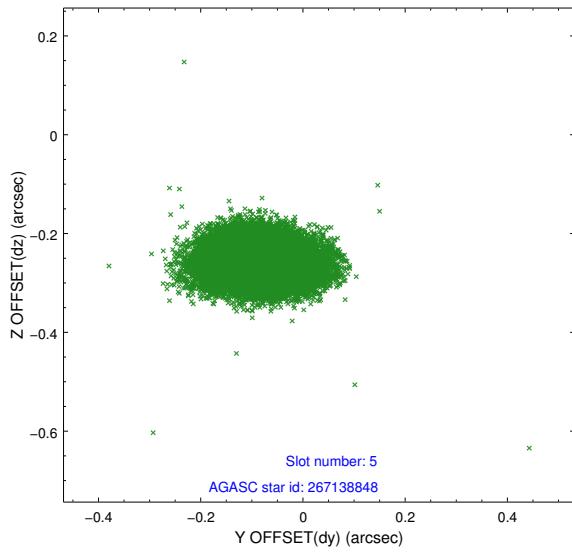
2.4.1 Slot 3



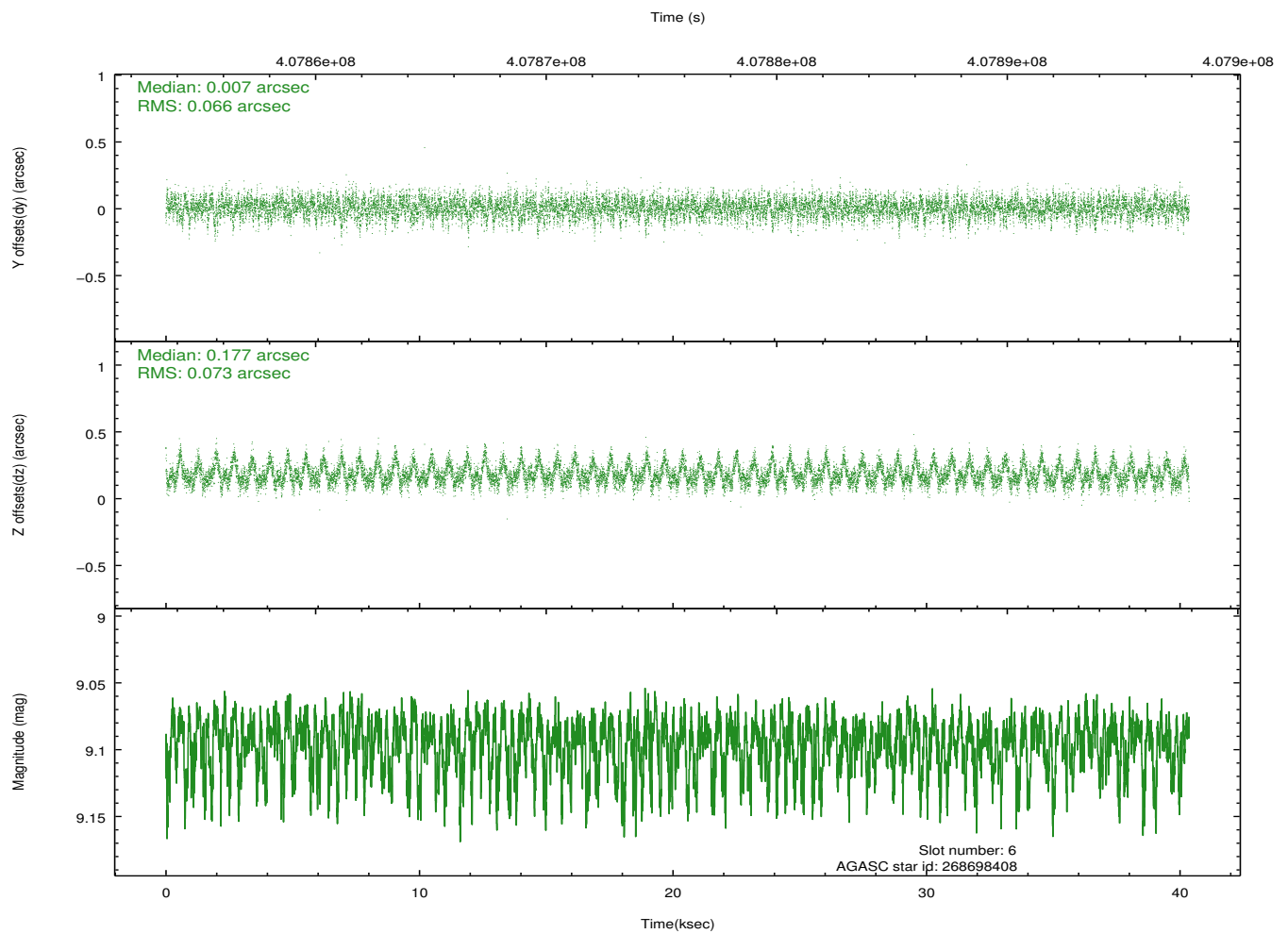
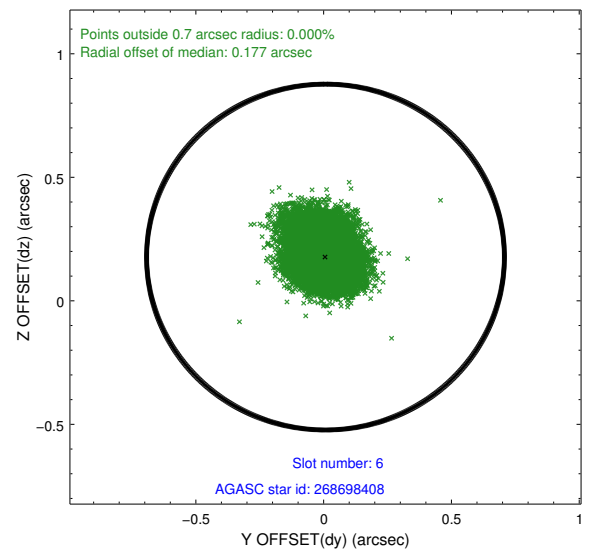
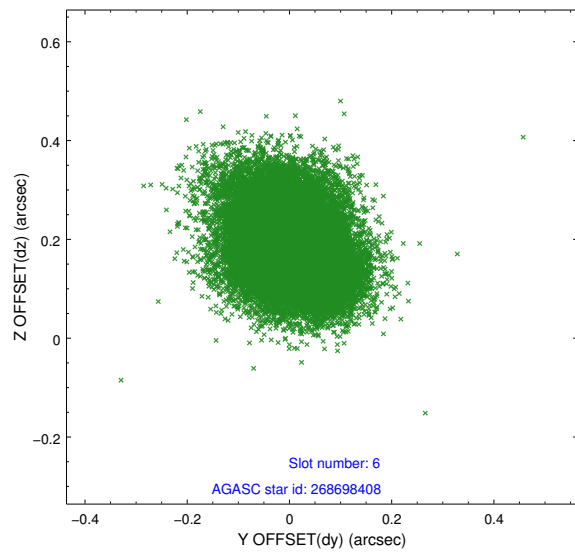
2.4.2 Slot 4



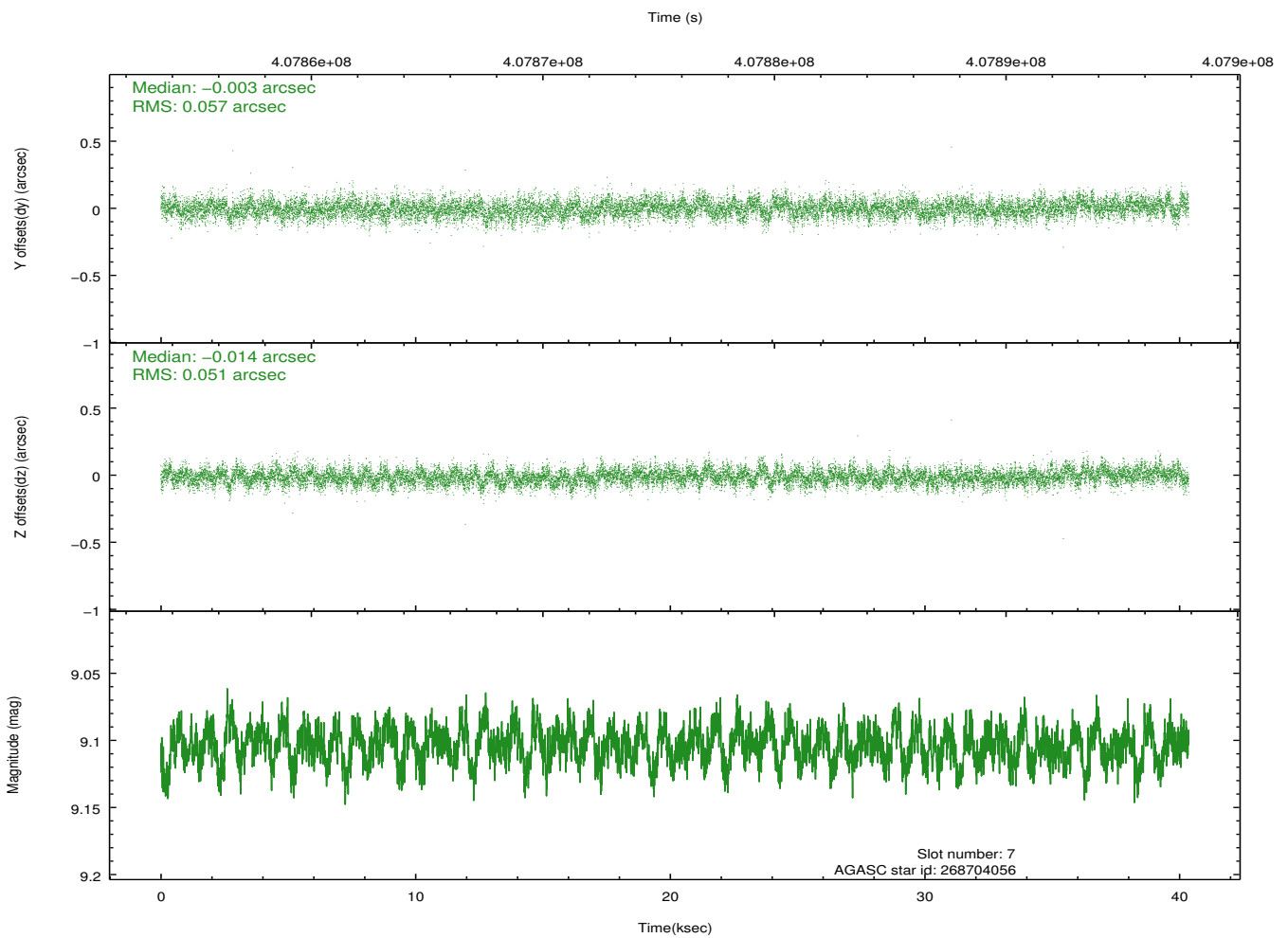
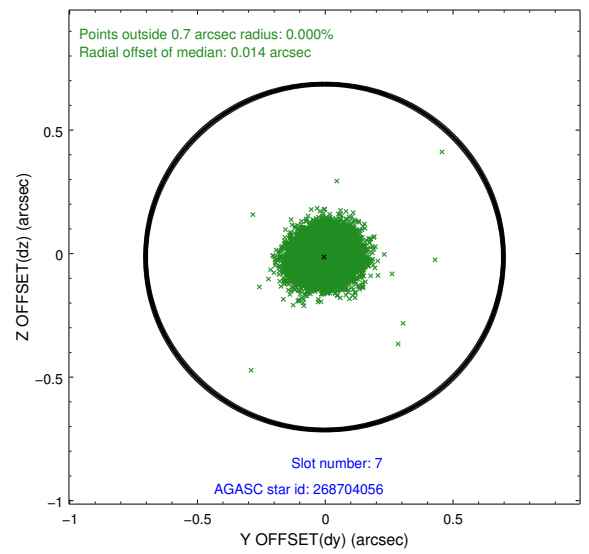
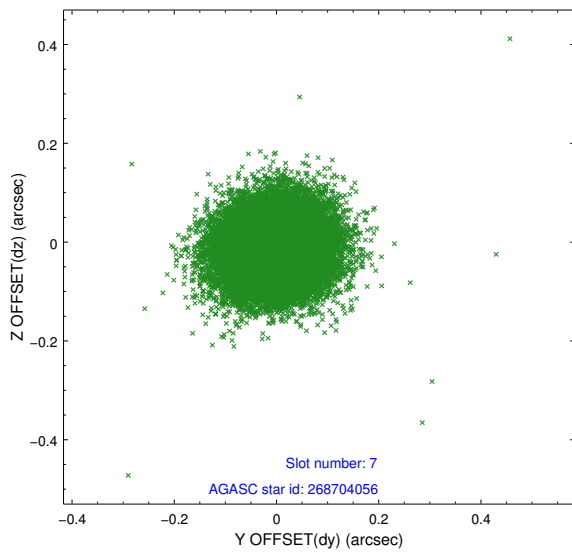
2.4.3 Slot 5



2.4.4 Slot 6

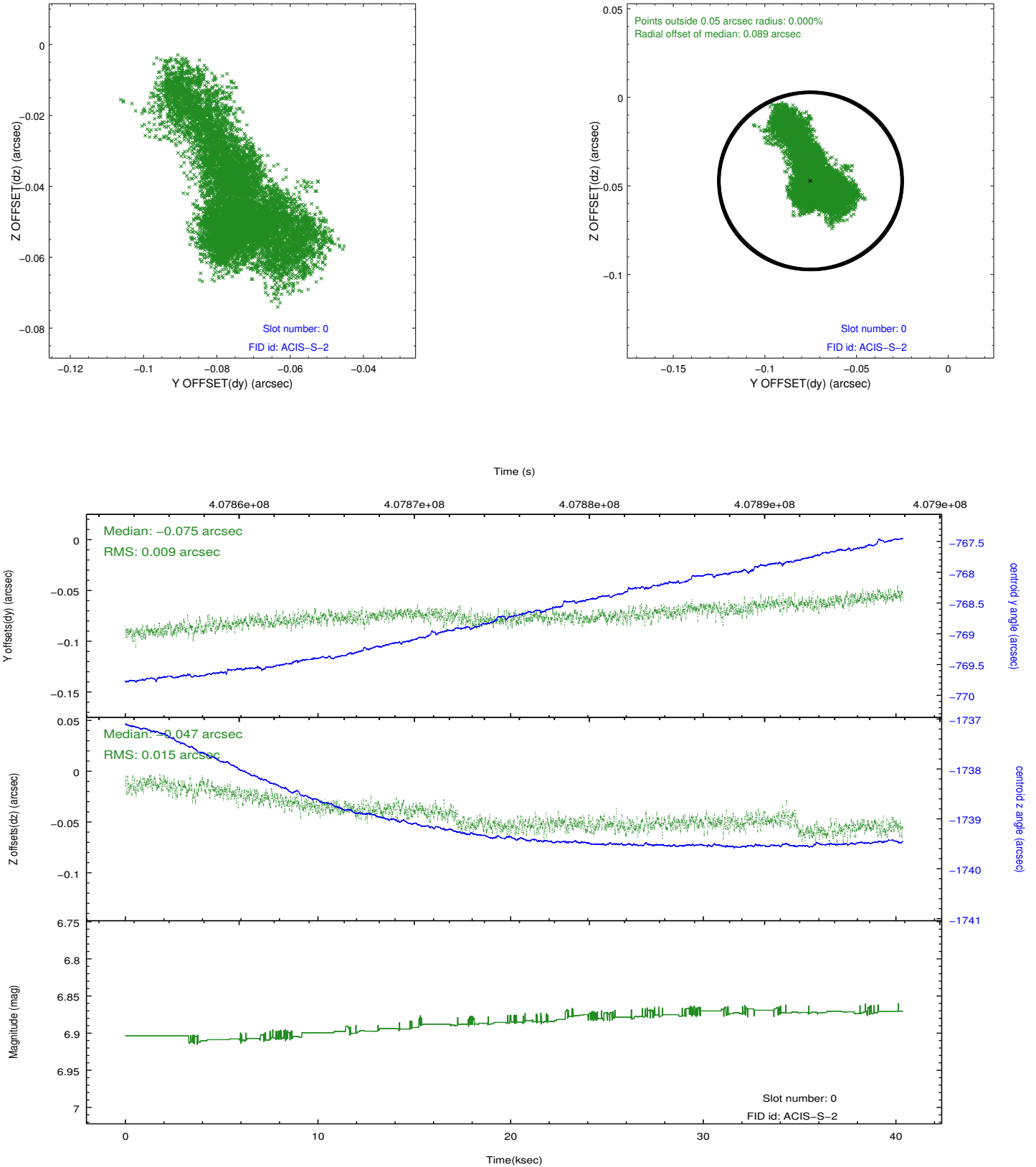


2.4.5 Slot 7

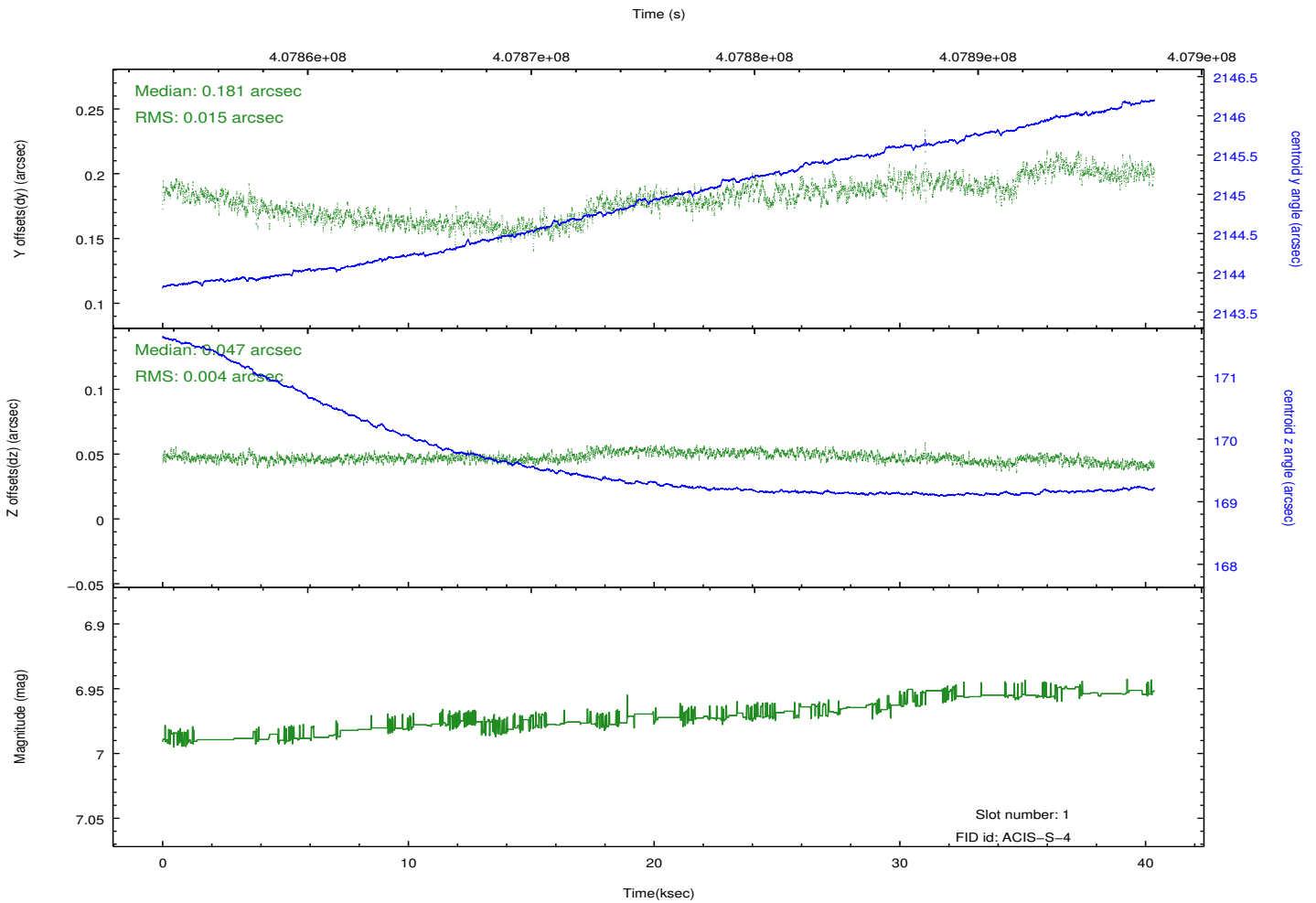
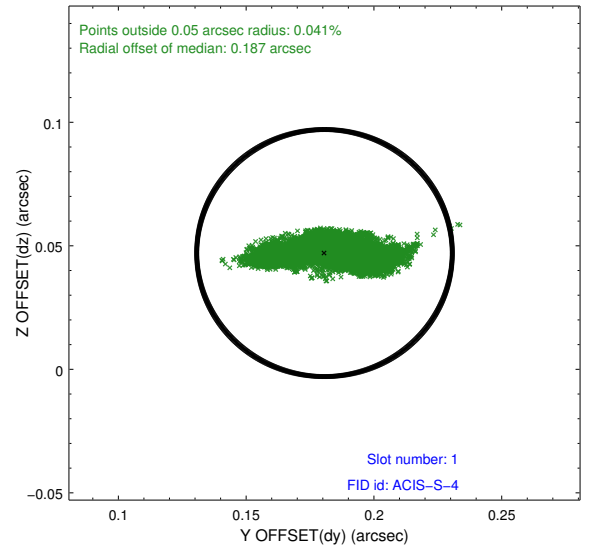
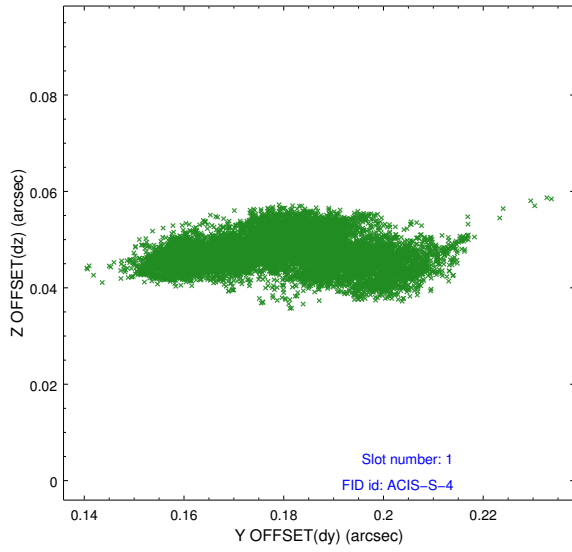


2.5 FID Slots

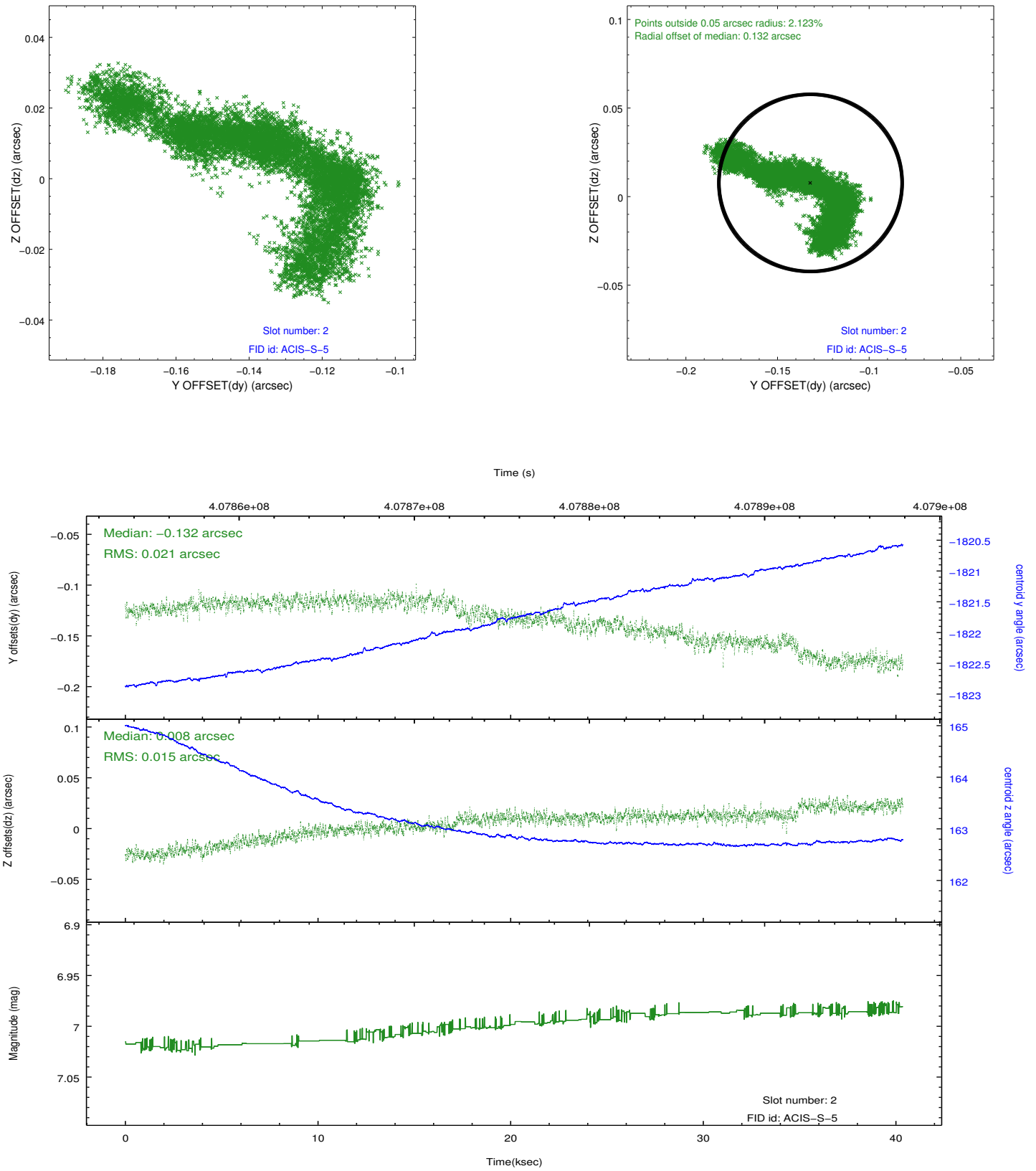
2.5.1 Slot 0



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)	2012.07.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	40.064497255325

A.2 Comments