

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 13315 - L2 Version 2
Chandra X-Ray Center

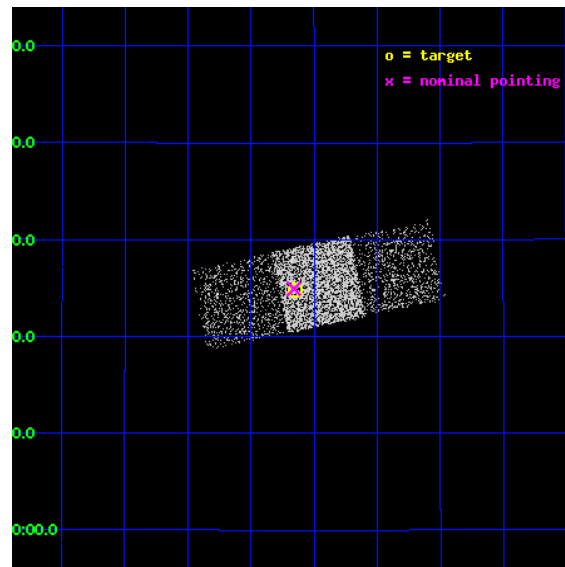
L2 Processing Date : Feb 27 2012

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1 Front

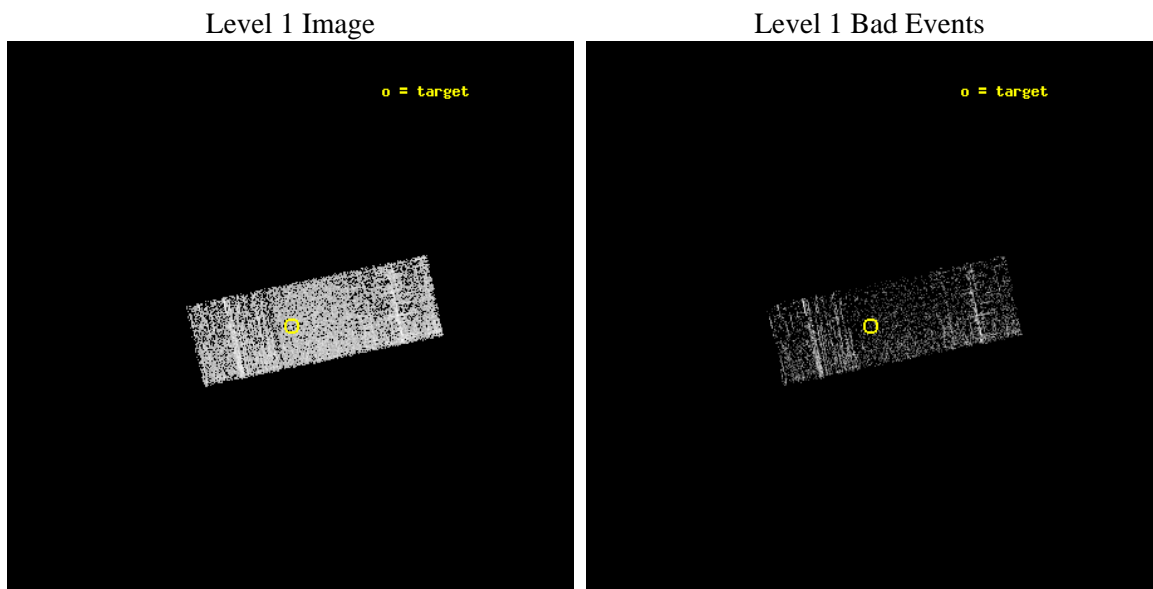
seq_num	702522	Sequence number
obs_id	13315	Observation id
title	A Large, Economical Snapshot Survey of the Most-Luminous Quasars from the Sloan Digital Sky Survey	Proposal title
observer	Prof. Gordon Garmire	Principal investigator
object	SDSS J1639+2824	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	249.787917	Observer's specified target RA [deg]
dec_targ	28.413083	Observer's specified target Dec [deg]
ra_nom	249.79002193182	Nominal RA [deg]
dec_nom	28.415504874033	Nominal Dec [deg]
roll_nom	348.08306803102	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1562.4000120163	Sum of GTIs [s]
livetime	1541.9861056371	Livetime [s]
ontime6	1562.4000120163	Sum of GTIs [s]
ontime7	1562.4000120163	Sum of GTIs [s]
ontime8	1562.4000120163	Sum of GTIs [s]
l2events	6554	Number of level 2 events



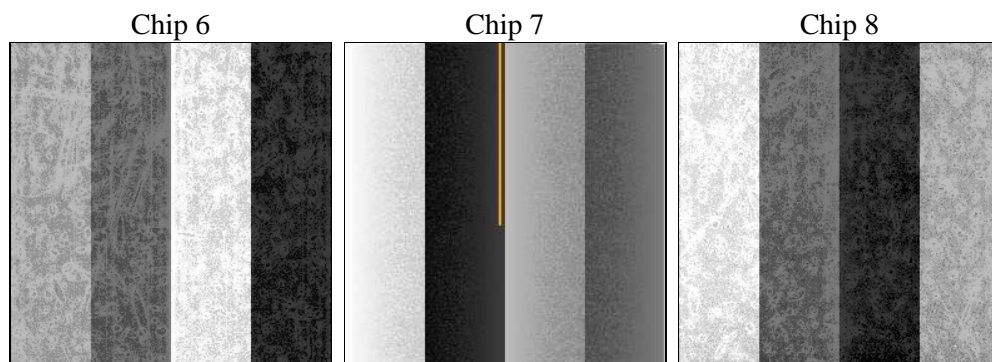
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	3	Obi number	sched_exp_time	1500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	1562.4000120163	Sum of GTIs [s]
caldsver	4.4.8	 	ontime6	1562.4000120163	Sum of GTIs [s]
date	2012-02-27T11:56:24	Date and time of file creation	ontime7	1562.4000120163	Sum of GTIs [s]
revision	2	Processing version of data	ontime8	1562.4000120163	Sum of GTIs [s]
			l1events	30268	Number of level 1 events

2.1.4 Events

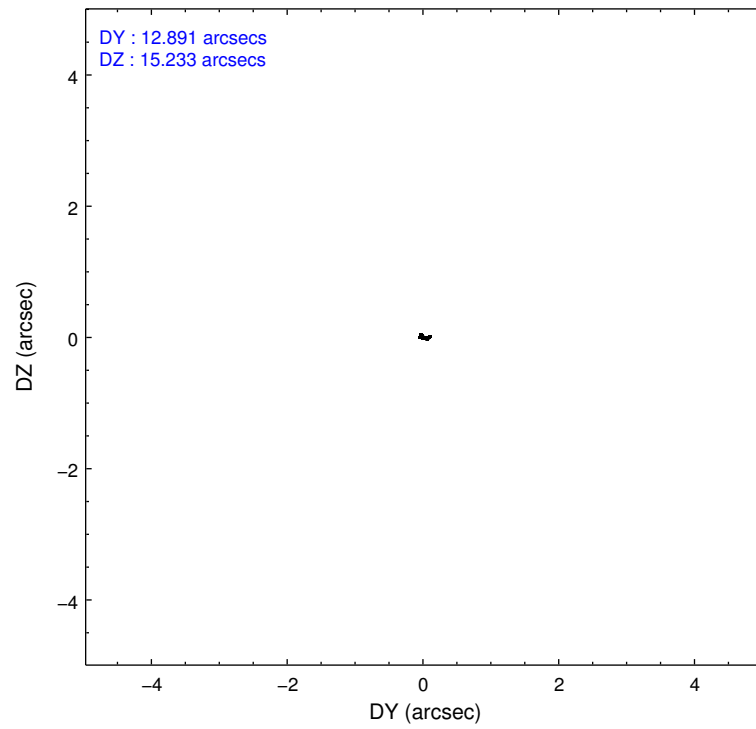
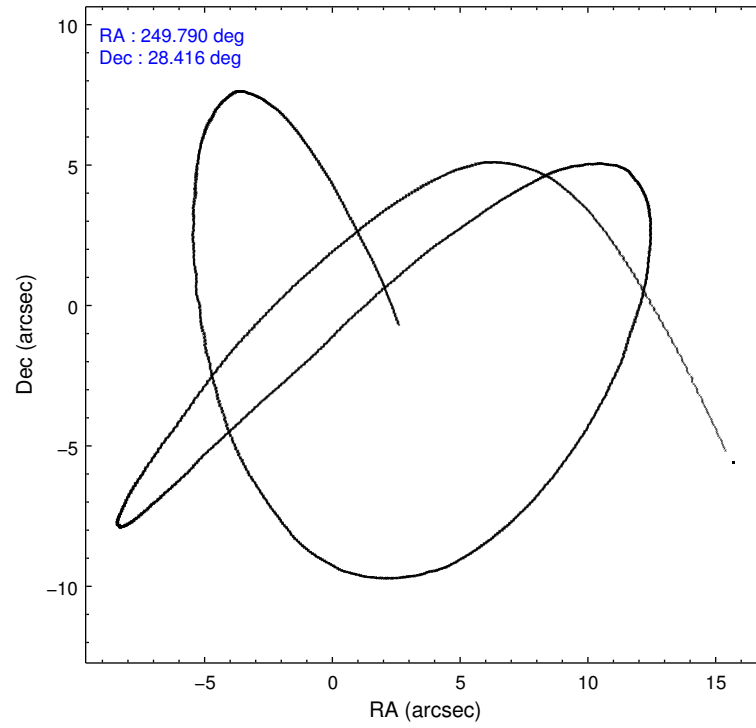
	ccd 6	ccd 7	ccd 8
level 1 events	9735	10026	10507
rejected events	8653	5224	7797
rejected %	88%	52%	74%

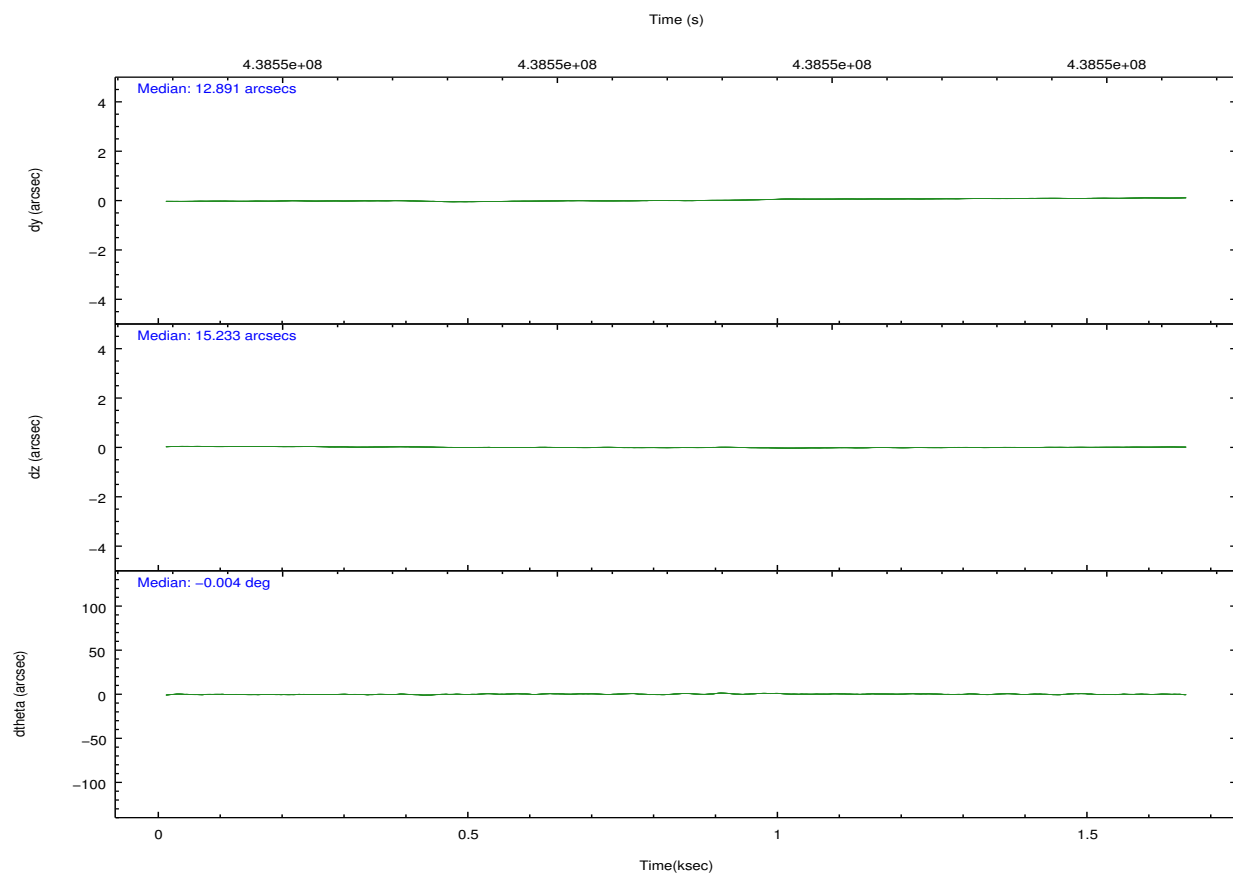
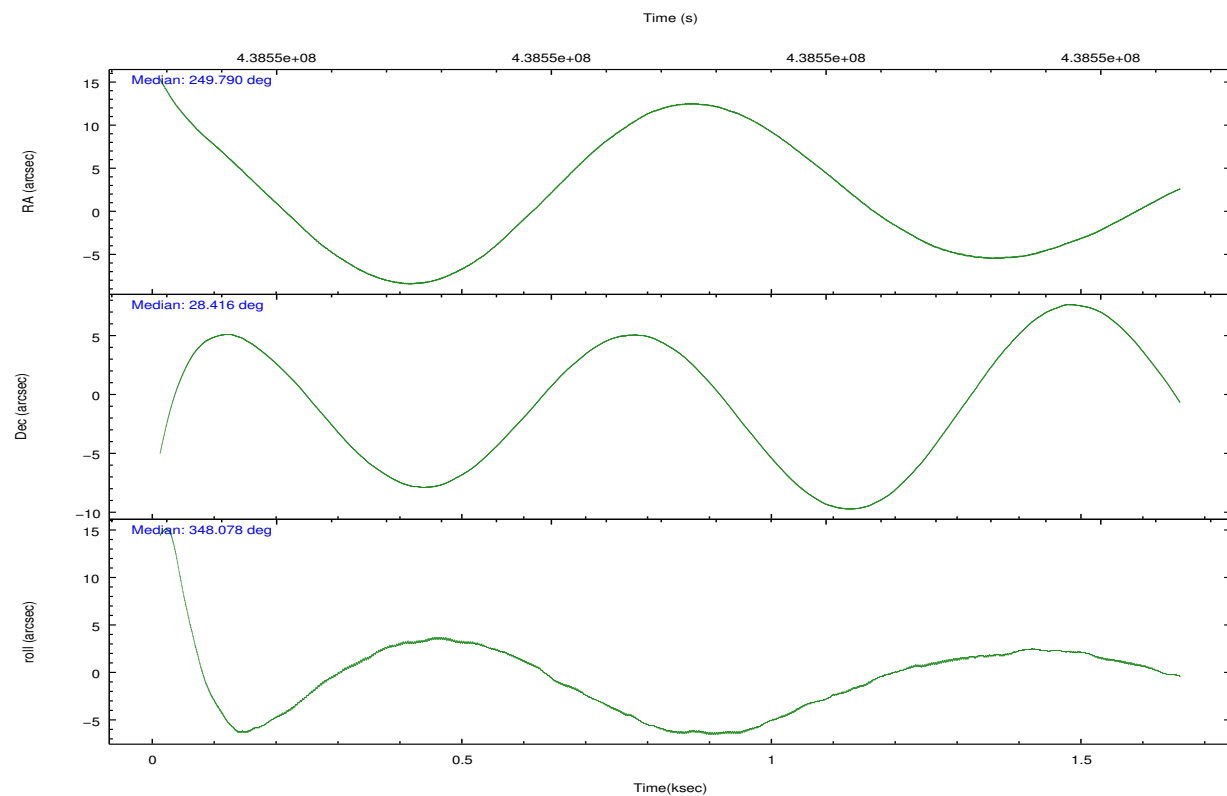
	ccd 6	ccd 7	ccd 8
grade 0 events	395	487	809
	4%	4%	7%
grade 1 events	1	20	9
	0%	0%	0%
grade 2 events	259	1042	643
	2%	10%	6%
grade 3 events	102	403	327
	1%	4%	3%
grade 4 events	120	441	286
	1%	4%	2%
grade 5 events	365	1113	520
	3%	11%	4%
grade 6 events	206	2438	657
	2%	24%	6%
grade 7 events	8287	4082	7256
	85%	40%	69%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-678	ACIS-678	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	249.760913	249.7900219318203	Subarray requested	NONE	NONE
[deg] Pointing Dec	28.406399	28.41550487403275	Alternating exposures requested	N	N
[deg] Pointing Roll	347.940129	348.0830680310219	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.145094680475			
[mm] SIM translation stage offset	0	0.01257209746719923			
[s] Observation start time (MET)	438552543.184000	438551347.76385			
Observation start date	2011-11-24T20:07:57	2011-11-24T19:49:07			
[s] Observation end time (MET)	438554043.184000	438554659.02653			
Observation end date	2011-11-24T20:32:57	2011-11-24T20:44:19			
Read mode	TIMED	TIMED			

2.3 Aspect



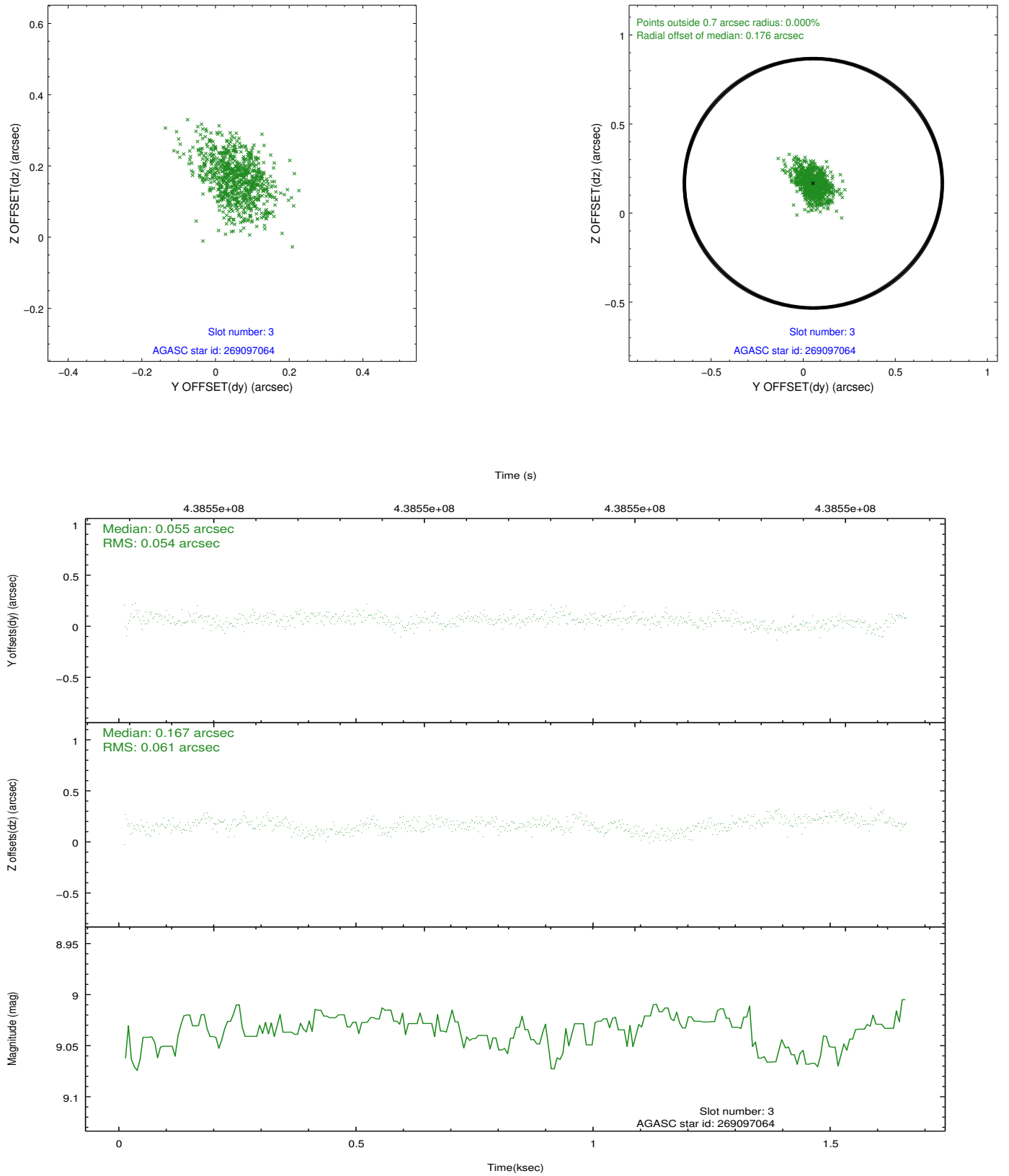


Slot Statistics

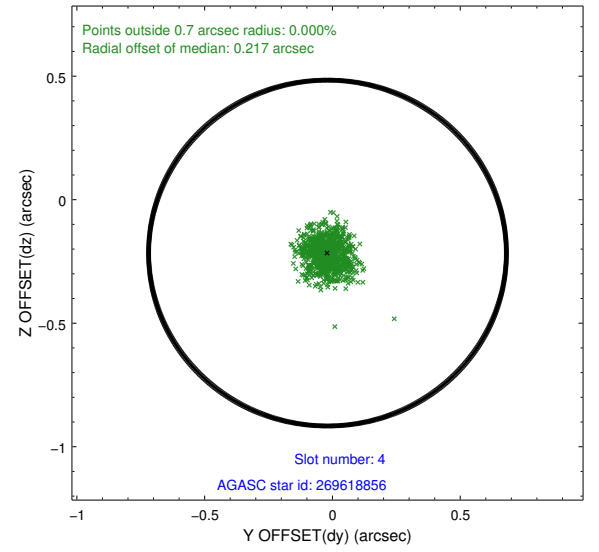
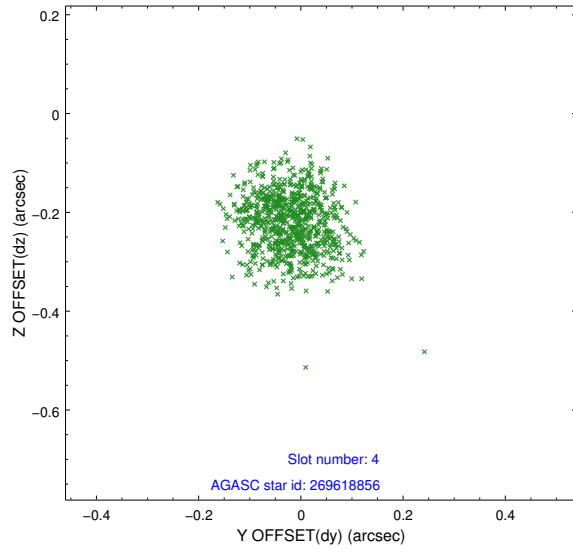
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.90	402	-0.053	0.001	0.007	0.011	0.000000	0.000000	-765.87	-1736.52
1	FID	ACIS-S-4	6.99	402	0.185	0.025	0.005	0.010	0.000000	0.000000	2145.80	167.85
2	FID	ACIS-S-5	7.02	402	-0.164	-0.018	0.007	0.013	0.000000	0.000000	-1813.70	166.00
3	GUIDE	269097064	9.03	804	0.055	0.167	0.084	0.144	250.060753	27.728168	1446.03	-2187.39
4	GUIDE	269618856	8.68	805	-0.019	-0.216	0.086	0.132	250.269283	28.718733	1337.08	1434.76
5	GUIDE	269621120	7.47	804	-0.105	-0.133	0.061	0.097	250.176261	28.915136	899.36	2067.56
6	GUIDE	268965624	8.63	805	0.082	0.179	0.100	0.159	248.936629	27.873232	-2163.59	-2414.34
7	GUIDE	269619744	7.57	804	-0.008	0.009	0.071	0.112	249.403406	28.836116	-1427.47	1274.52

2.4 Star Slots

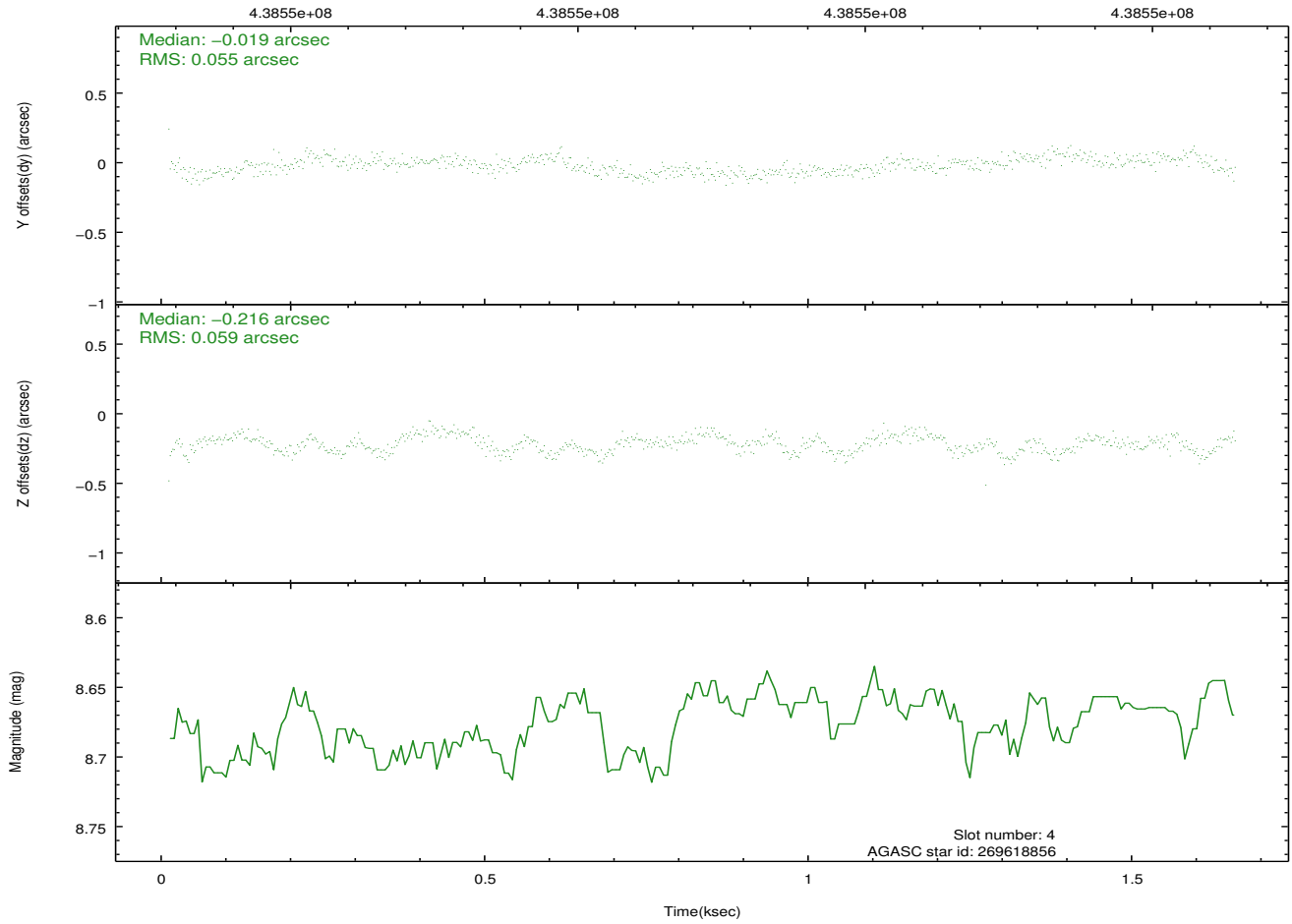
2.4.1 Slot 3



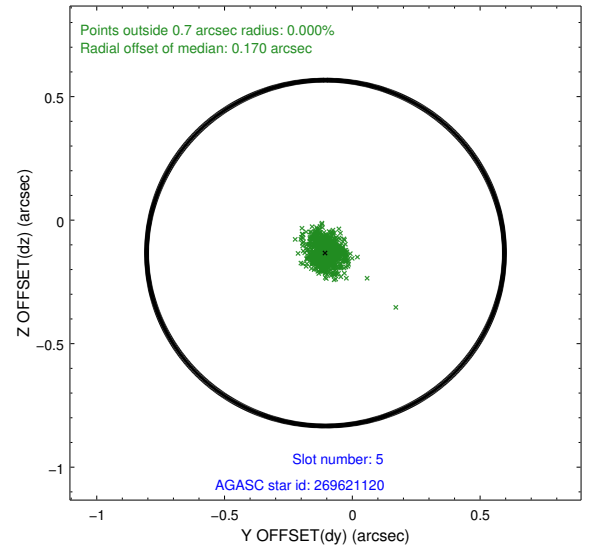
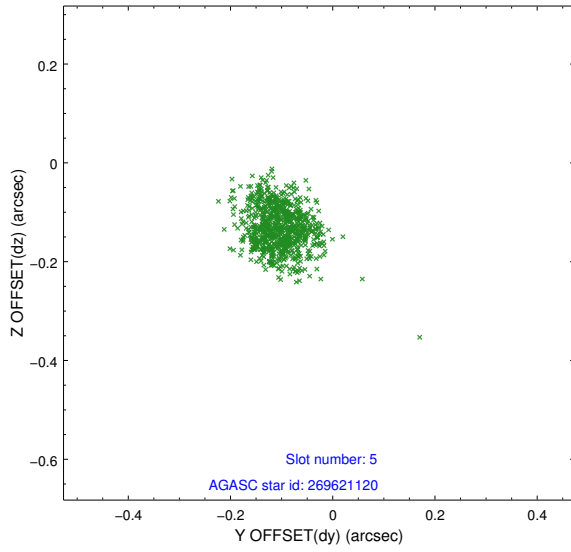
2.4.2 Slot 4



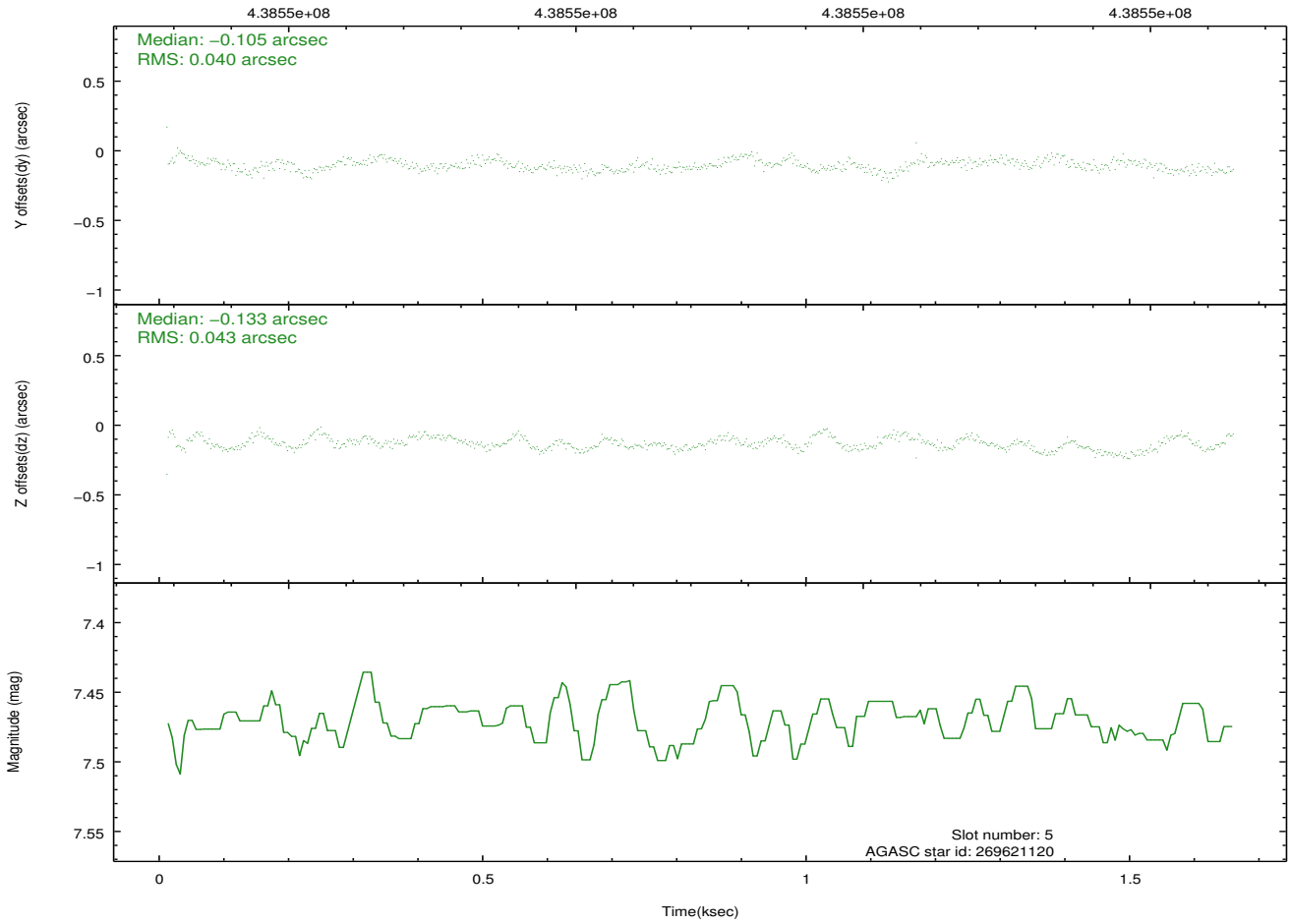
Time (s)



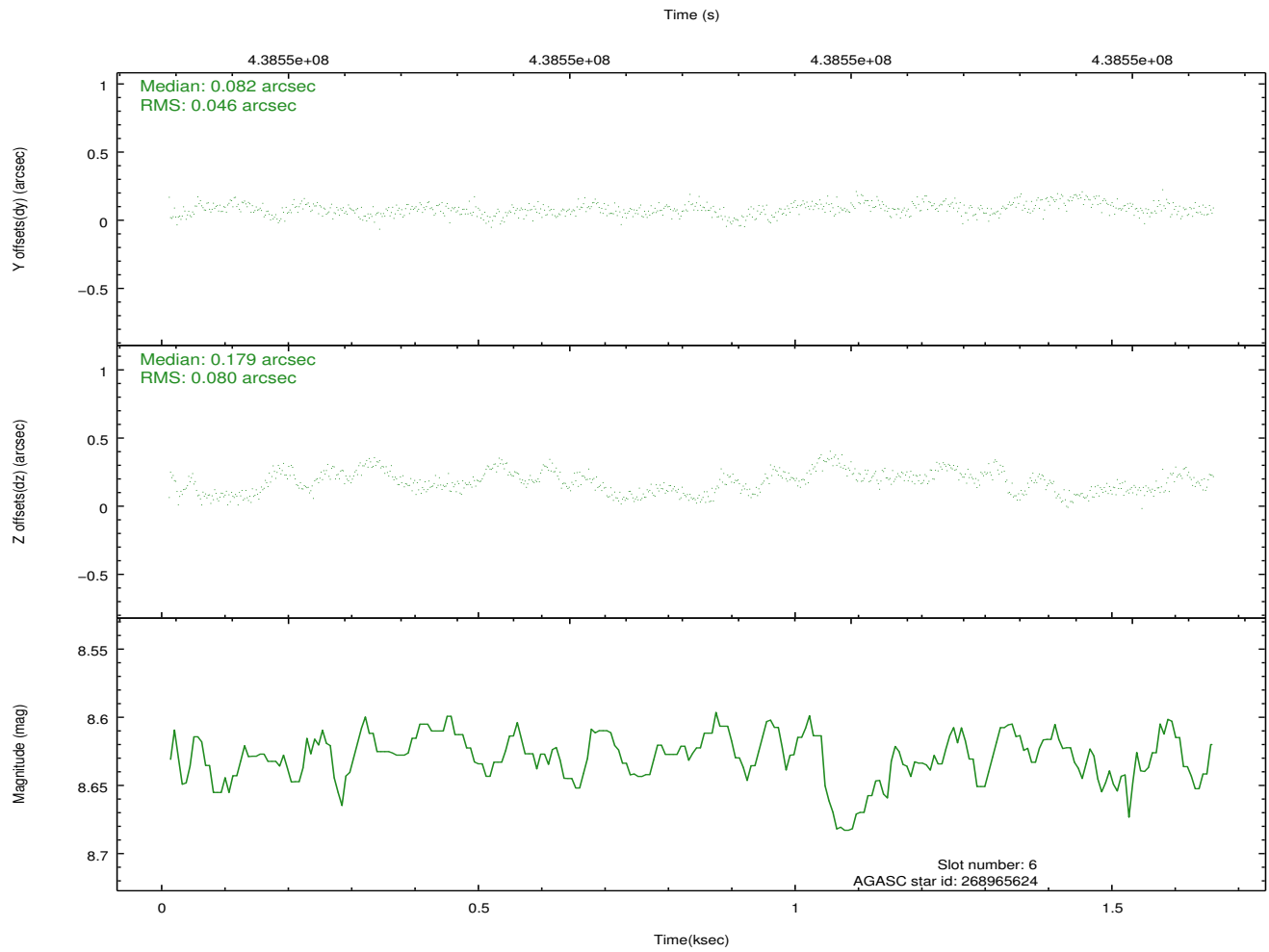
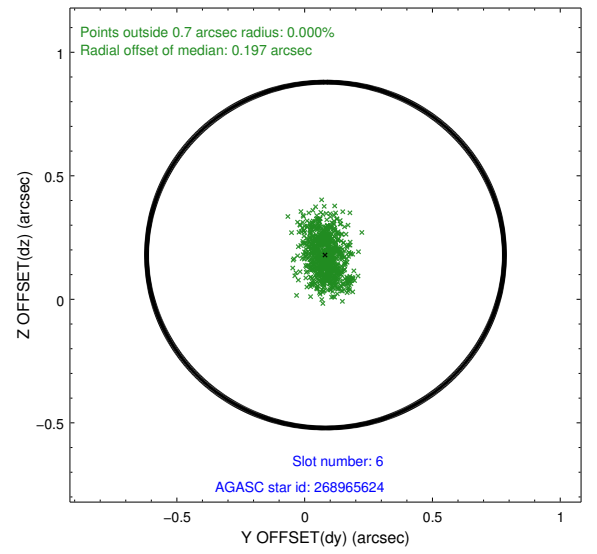
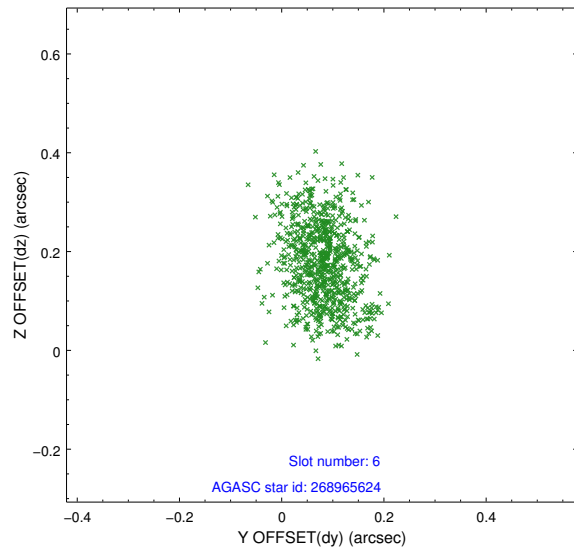
2.4.3 Slot 5



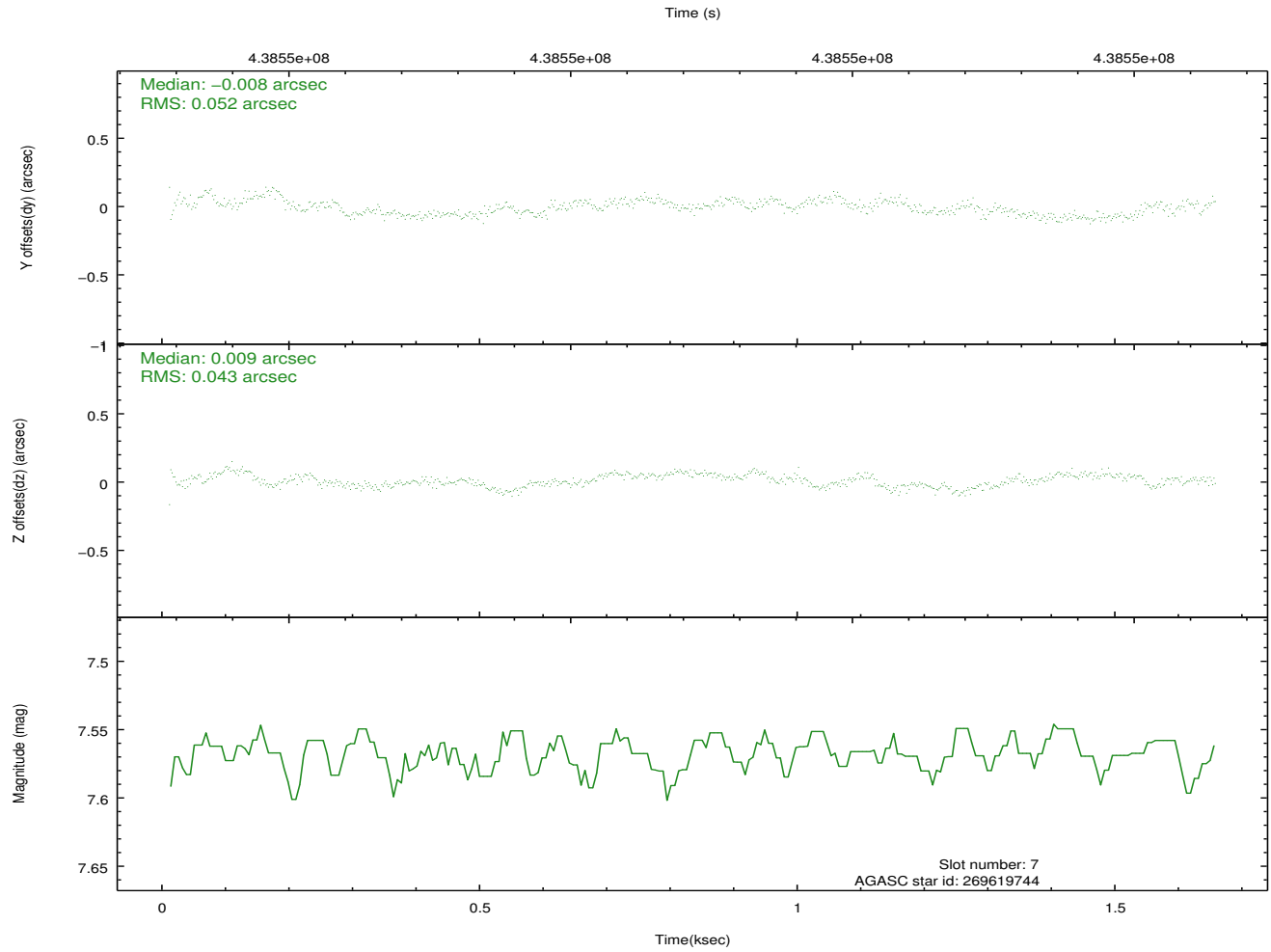
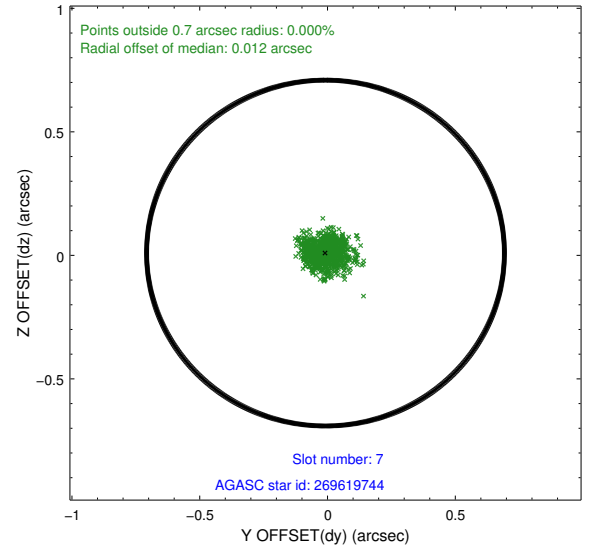
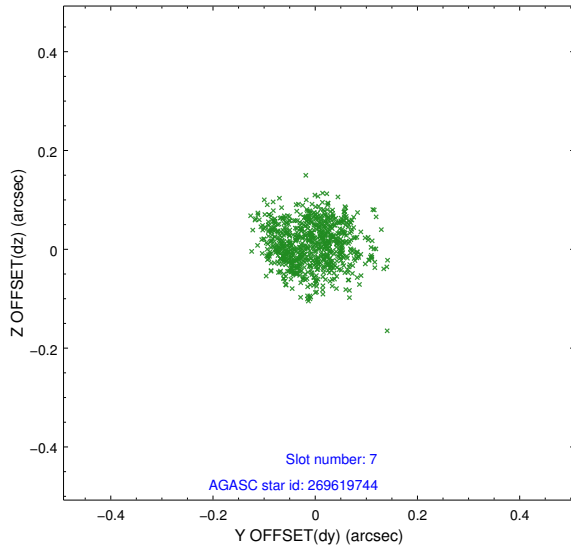
Time (s)



2.4.4 Slot 6

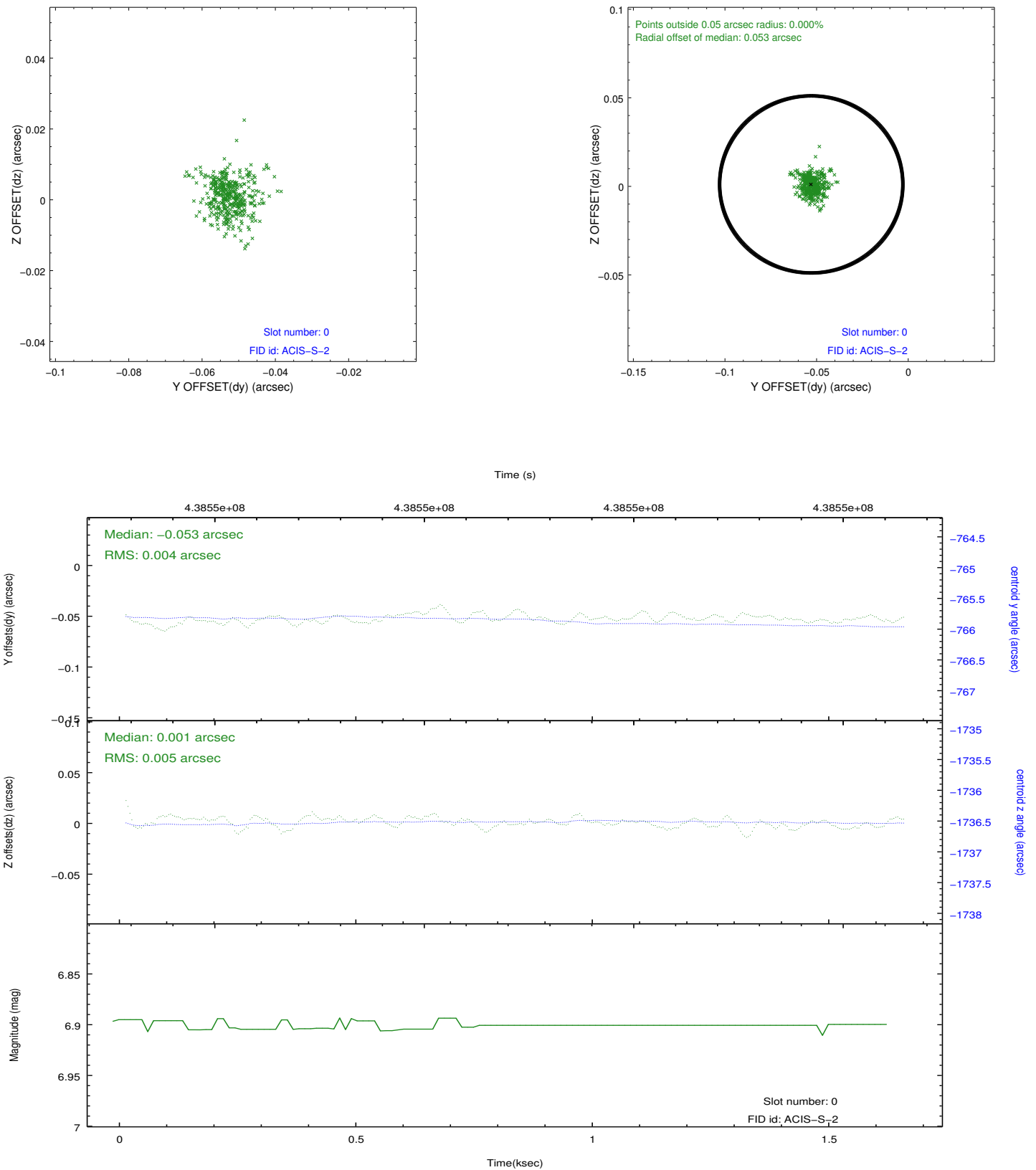


2.4.5 Slot 7

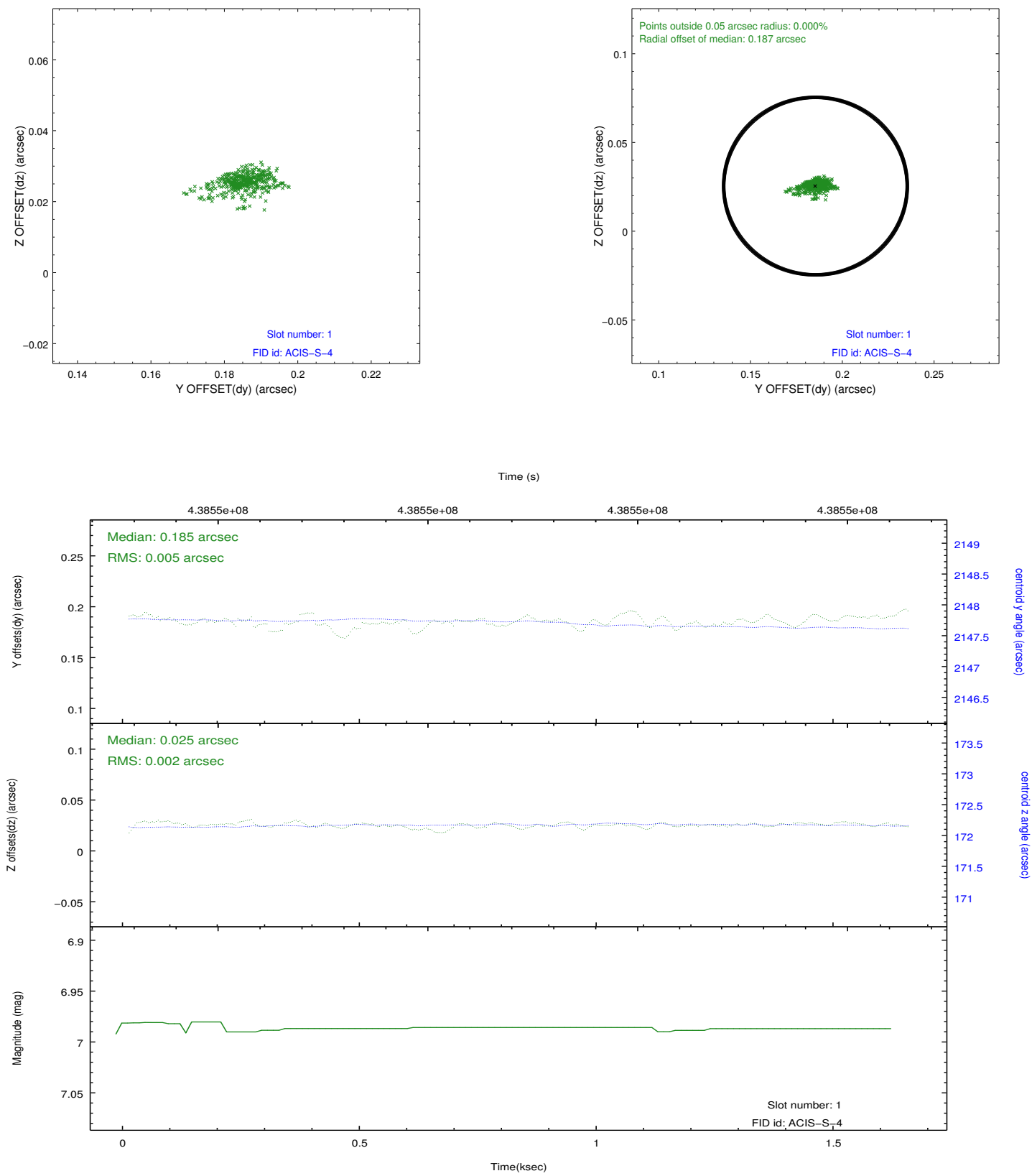


2.5 FID Slots

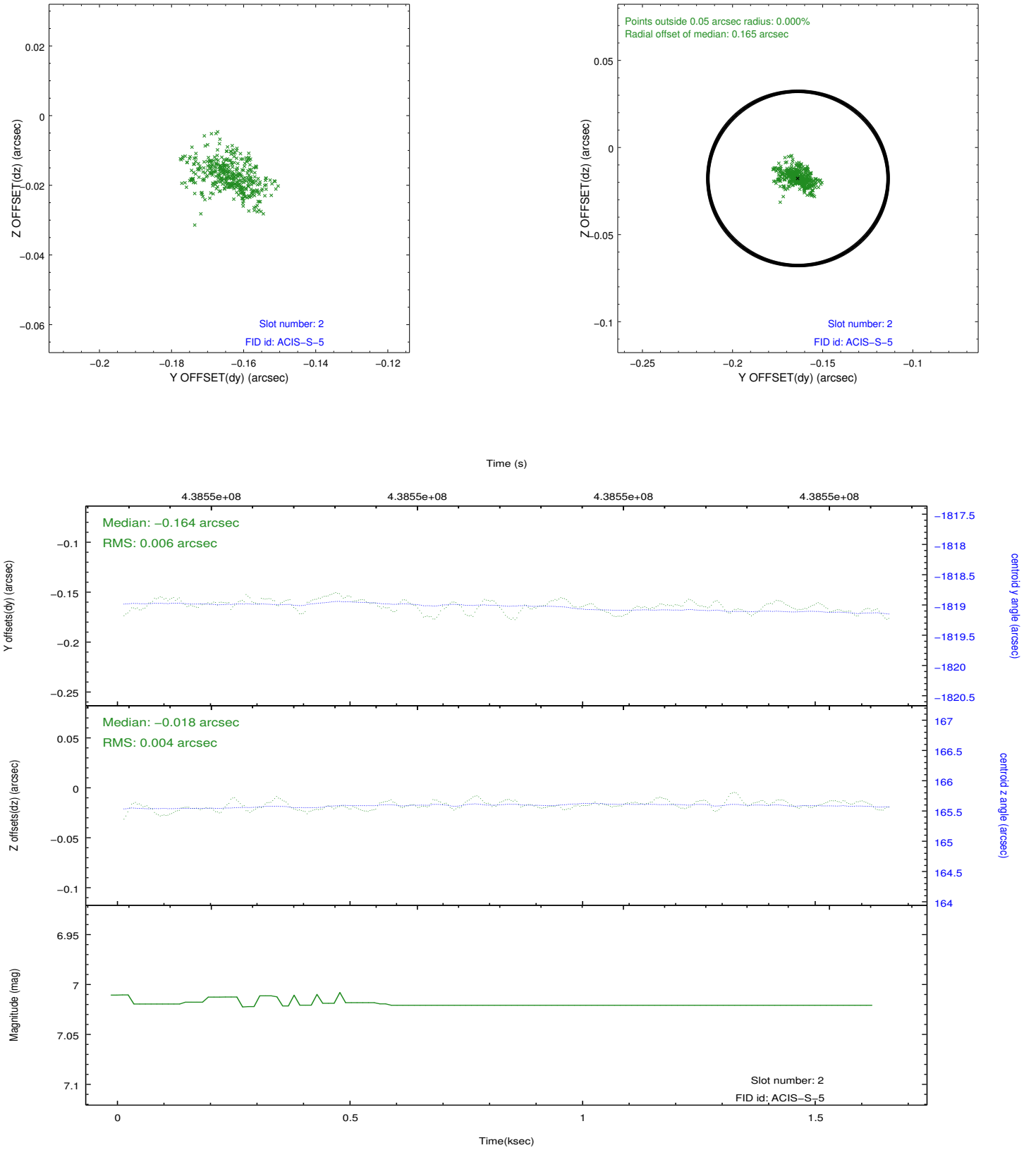
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.02.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.5624000120163

A.2 Comments