

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 10318 - L2 Version 2
Chandra X-Ray Center

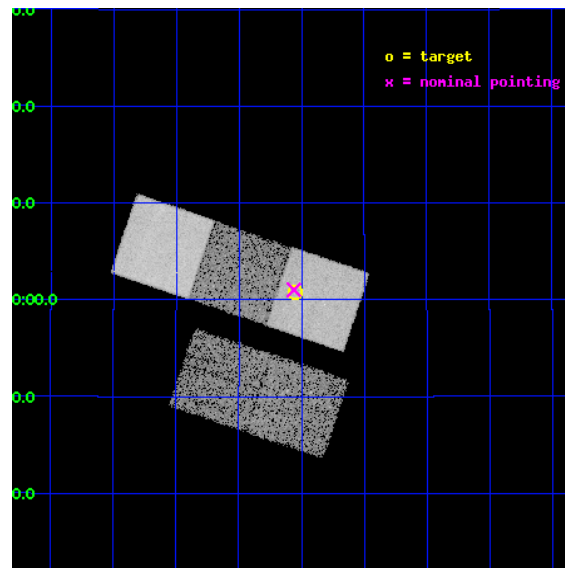
L2 Processing Date : May 25 2012

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1 Front

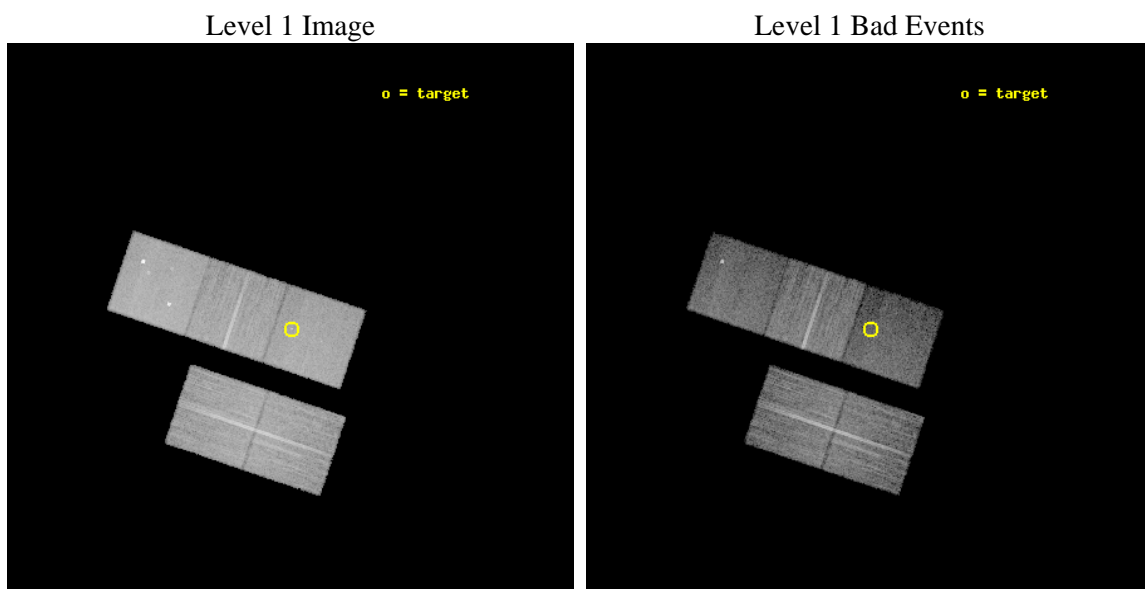
seq_num	701861	Sequence number
obs_id	10318	Observation id
title	Two to Tango? Binary Quasars, their Environments, and the Merger Hypothesis	Proposal title
observer	Dr. Paul Green	Principal investigator
object	SDSSJ1606+2900	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	241.511667	Observer's specified target RA [deg]
dec_targ	29.013611	Observer's specified target Dec [deg]
ra_nom	241.51520681429	Nominal RA [deg]
dec_nom	29.01737550284	Nominal Dec [deg]
roll_nom	18.595169239678	Nominal Roll [deg]
revision	2	Processing version of data
ontime	13023.10010016	Sum of GTIs [s]
livetime	12852.943709884	Livetime [s]
ontime2	13013.677149475	Sum of GTIs [s]
ontime3	13019.959139764	Sum of GTIs [s]
ontime5	13023.10010016	Sum of GTIs [s]
ontime6	13023.10010016	Sum of GTIs [s]
ontime7	13023.10010016	Sum of GTIs [s]
l2events	137085	Number of level 2 events



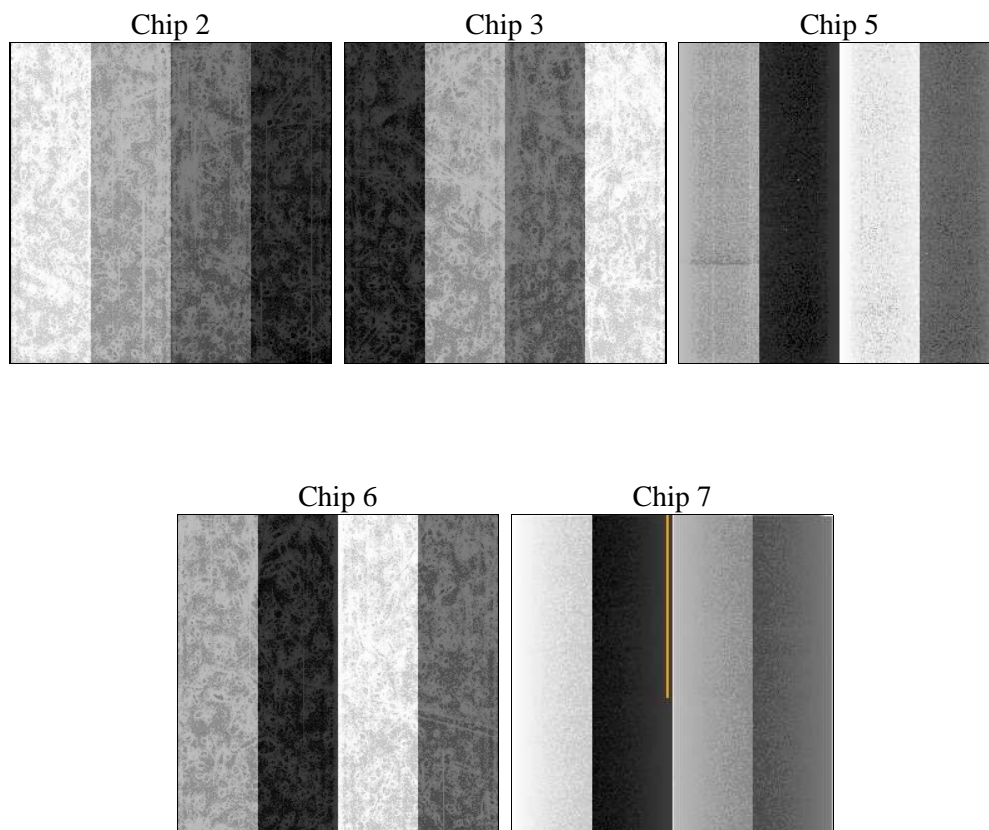
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	12900.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	13023.10010016	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	13013.677149475	Sum of GTIs [s]
date	2012-05-25T20:42:07	Date and time of file creation	ontime3	13019.959139764	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	13023.10010016	Sum of GTIs [s]
			ontime6	13023.10010016	Sum of GTIs [s]
			ontime7	13023.10010016	Sum of GTIs [s]
			l1events	592529	Number of level 1 events

2.1.4 Events

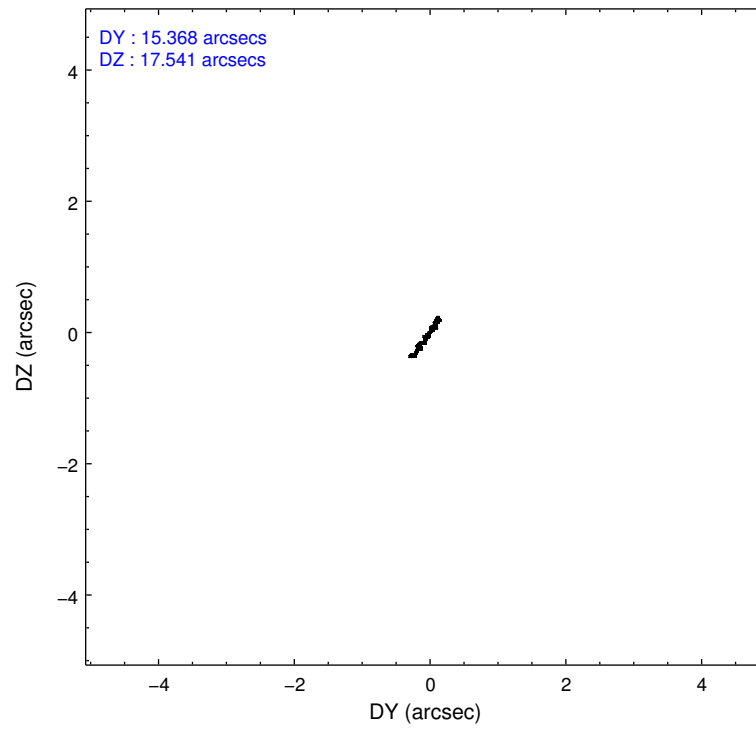
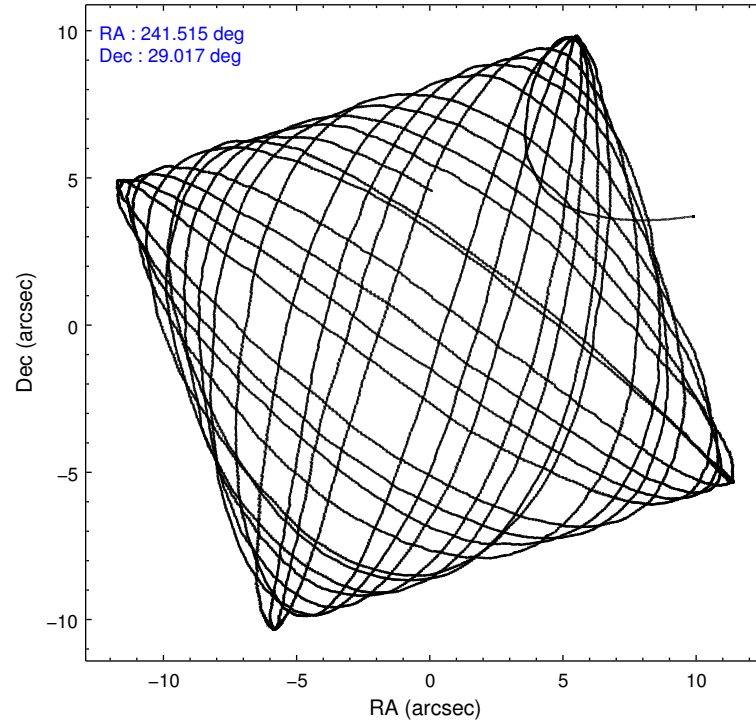
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
level 1 events	115916	107403	147011	112171	110028
rejected events	106155	97788	76479	101543	61179
rejected %	91%	91%	52%	90%	55%

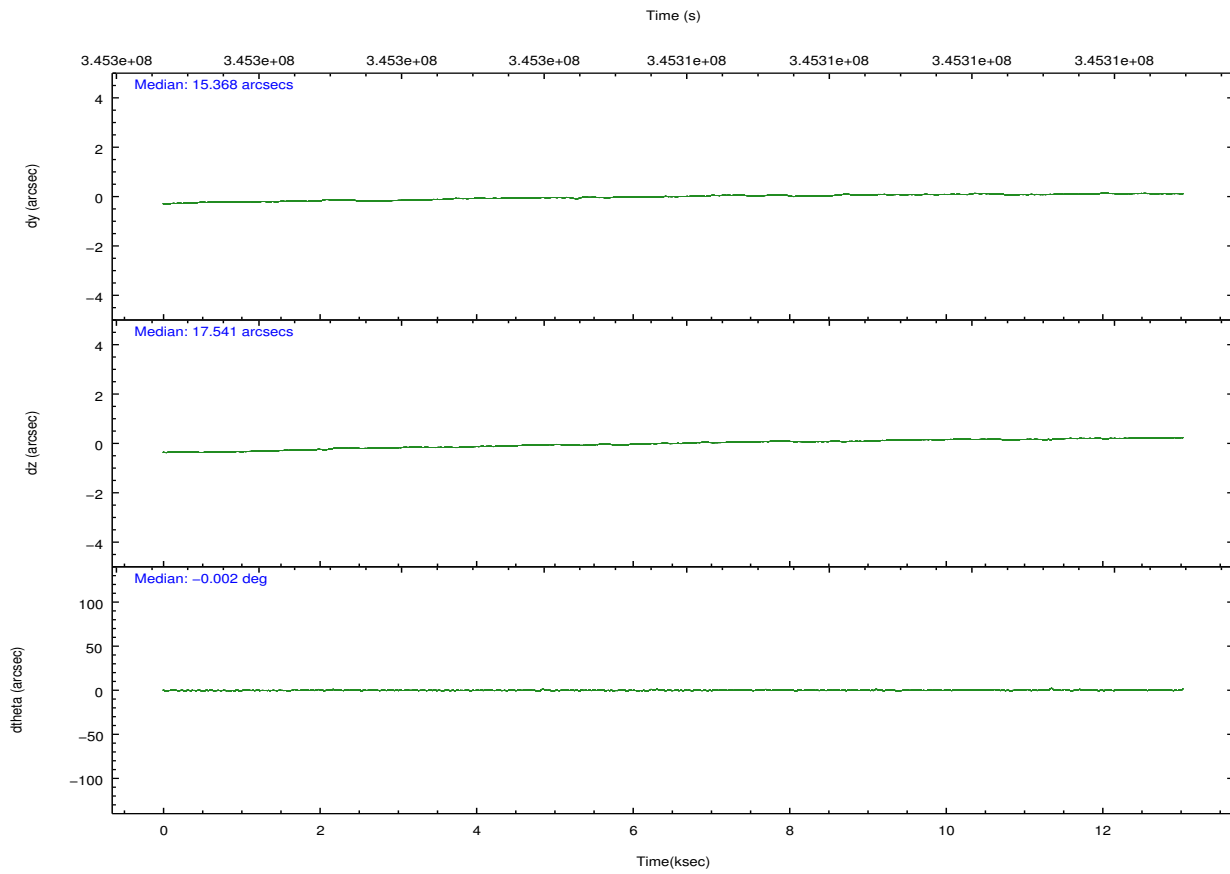
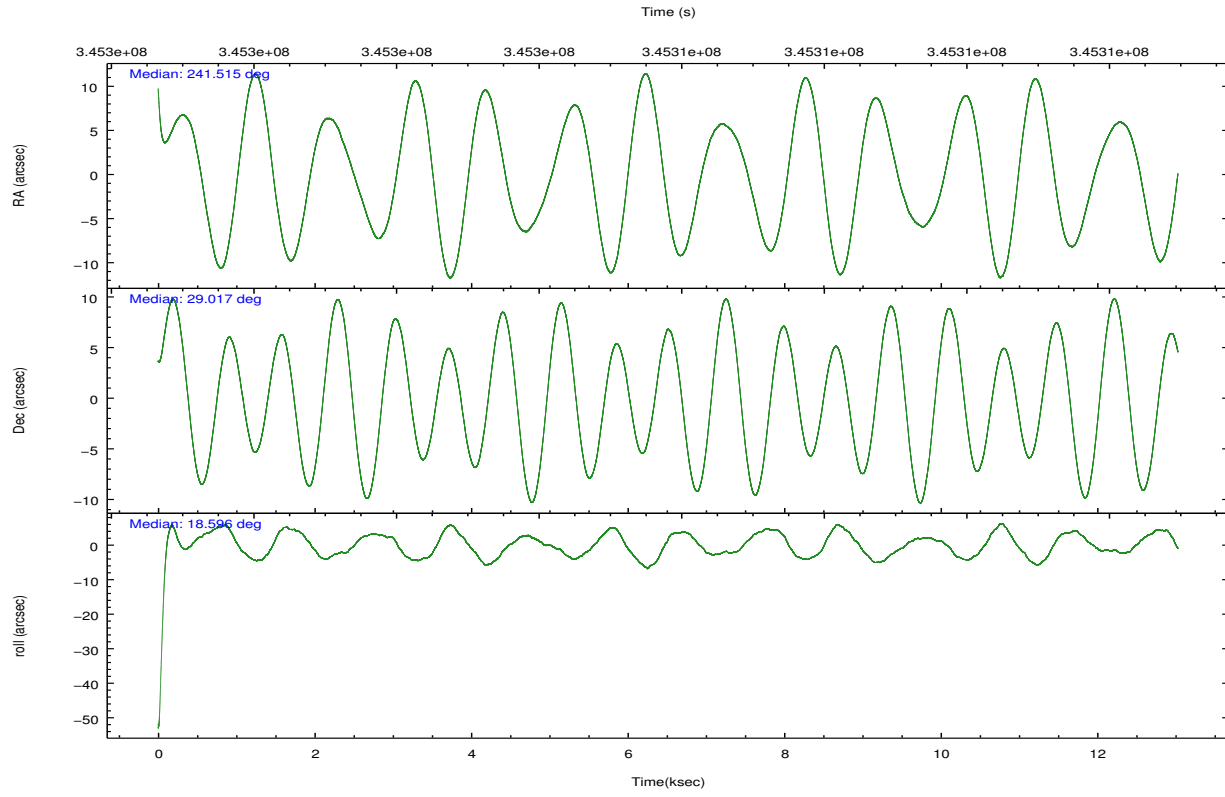
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
grade 0 events	4085	4001	10220	4364	5624
	3%	3%	6%	3%	5%
grade 1 events	59	73	1200	84	185
	0%	0%	0%	0%	0%
grade 2 events	2721	2311	23484	2632	11690
	2%	2%	15%	2%	10%
grade 3 events	1105	1230	3202	1232	5029
	0%	1%	2%	1%	4%
grade 4 events	1144	1127	3189	1248	5010
	0%	1%	2%	1%	4%
grade 5 events	3116	3951	11686	3995	11878
	2%	3%	7%	3%	10%
grade 6 events	1821	1995	38295	2328	26915
	1%	1%	26%	2%	24%
grade 7 events	101865	92715	55735	96288	43697
	87%	86%	37%	85%	39%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-23567	ACIS-23567	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	241.494862	241.5152068142924	CCD I2 on	O2	Y
[deg] Pointing Dec	28.996588	29.01737550283998	CCD I3 on	O3	Y
[deg] Pointing Roll	18.448466	18.5951692396784	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O1	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	O4	Y
[mm] SIM translation stage pos	-190.132523	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	N	N
[s] Observation start time (MET)	345299420.184000	345297728.16833	CCD S5 on	N	N
Observation start date	2008-12-10T12:29:15	2008-12-10T12:02:08	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	345312320.184000	345313261.0191	On-chip summing requested	N	N
Observation end date	2008-12-10T16:04:15	2008-12-10T16:21:01	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



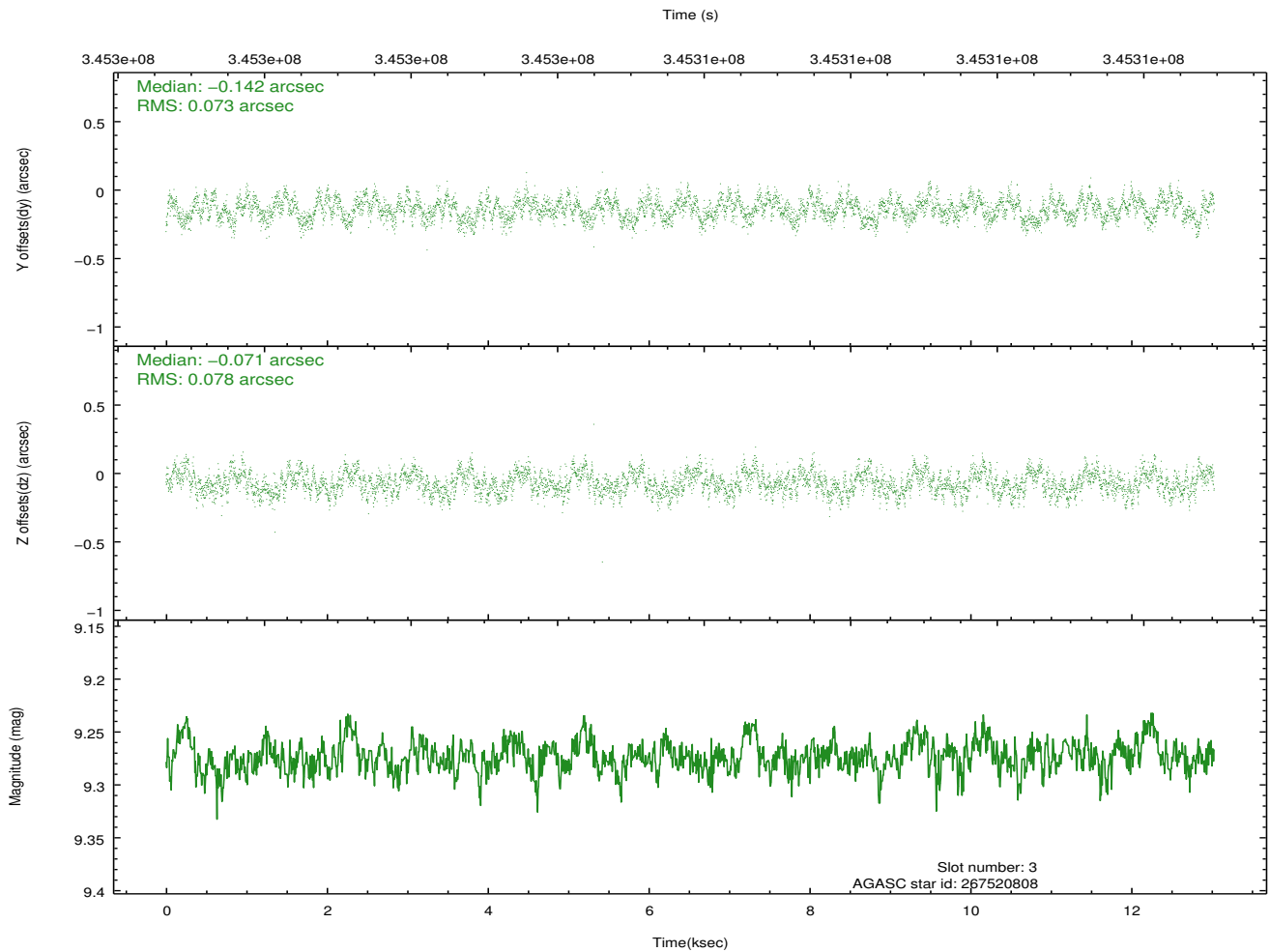
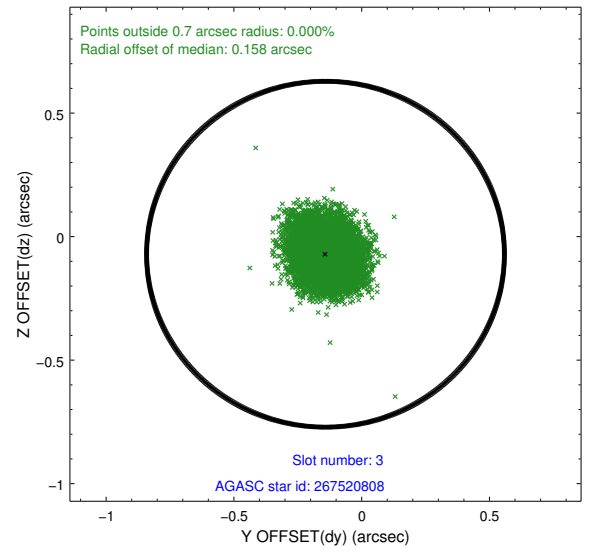
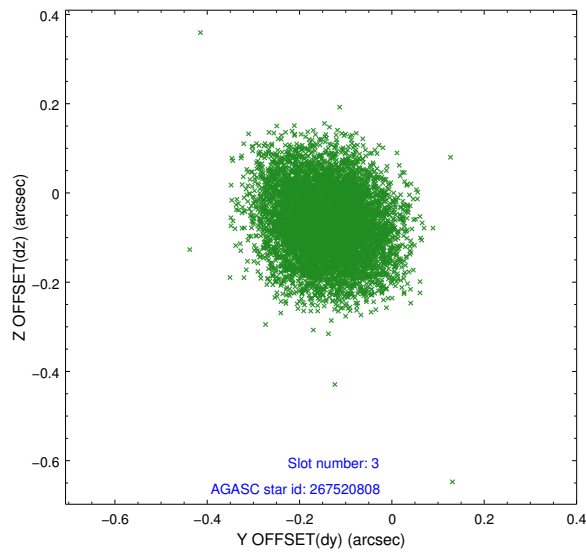


Slot Statistics

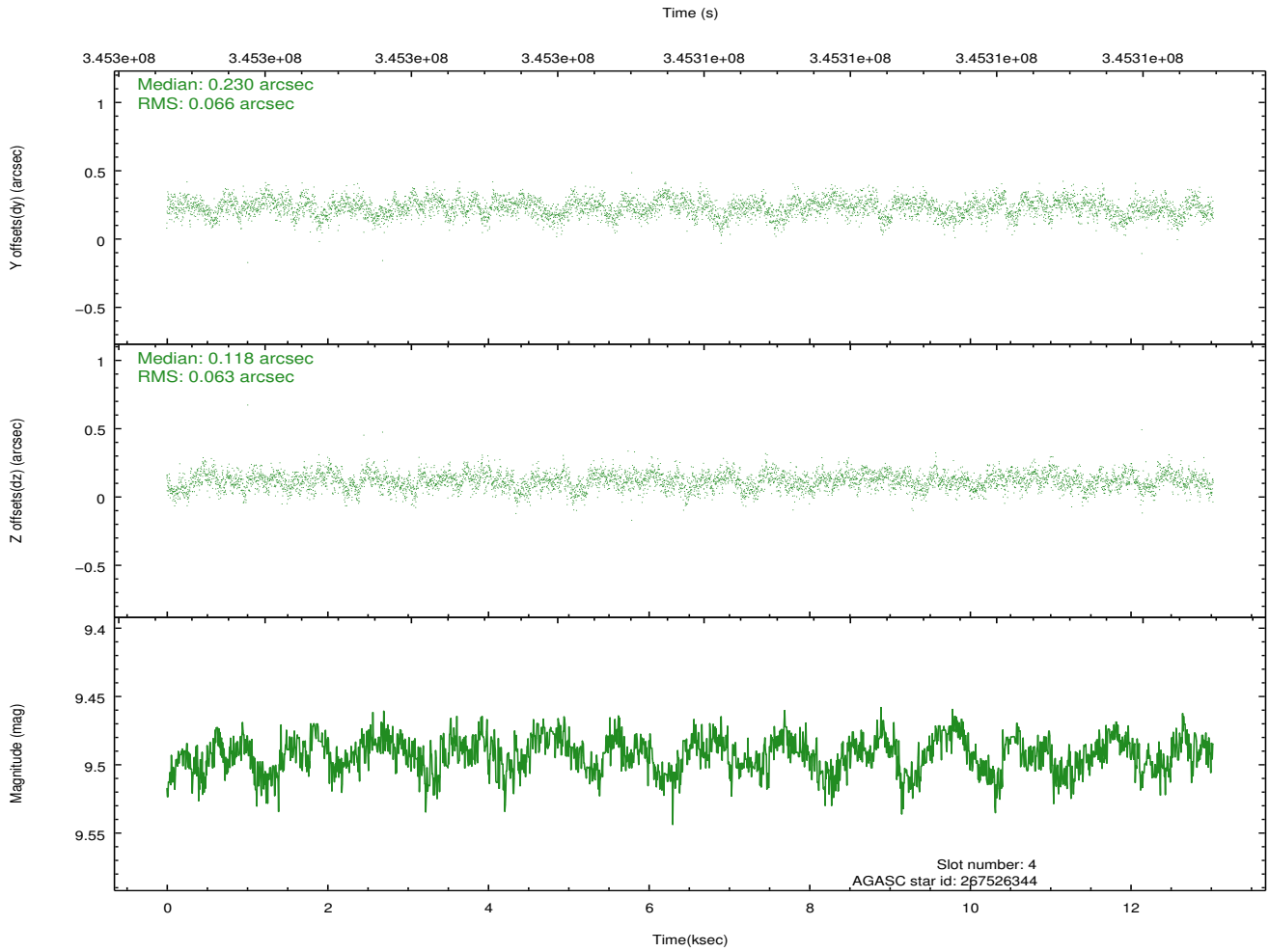
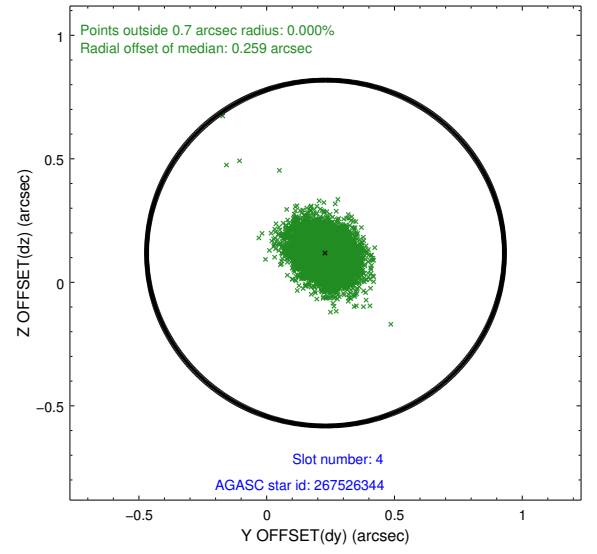
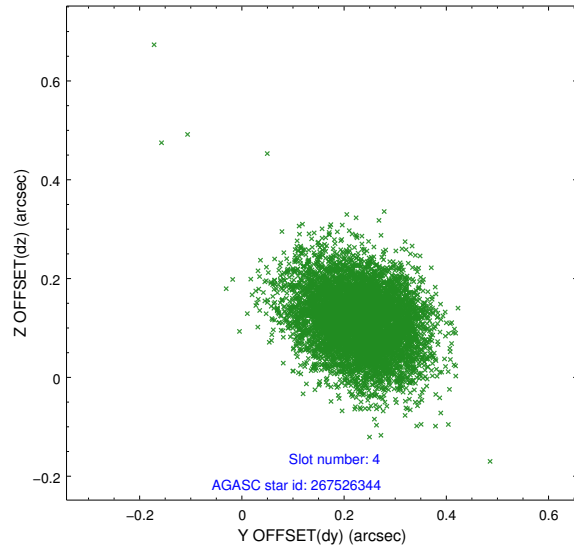
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.88	3177	-0.062	-0.040	0.009	0.015	0.000000	0.000000	-768.43	-1738.98
1	FID	ACIS-S-4	6.96	3178	0.163	0.041	0.007	0.012	0.000000	0.000000	2144.95	169.11
2	FID	ACIS-S-5	6.99	3179	-0.132	0.008	0.009	0.014	0.000000	0.000000	-1820.82	163.28
3	GUIDE	267520808	9.27	6309	-0.142	-0.071	0.116	0.179	241.390877	29.549521	320.83	1991.16
4	GUIDE	267526344	9.49	6350	0.230	0.118	0.096	0.157	240.852528	29.113452	-1781.15	1043.89
5	GUIDE	267518704	8.30	6352	0.122	-0.089	0.076	0.122	240.734757	28.955536	-2315.66	624.86
6	GUIDE	267527704	8.36	6356	-0.110	0.102	0.059	0.094	241.903089	29.027824	1254.76	-297.80
7	GUIDE	267524392	9.83	6302	-0.103	-0.061	0.115	0.185	242.093149	29.490270	2342.64	1096.98

2.4 Star Slots

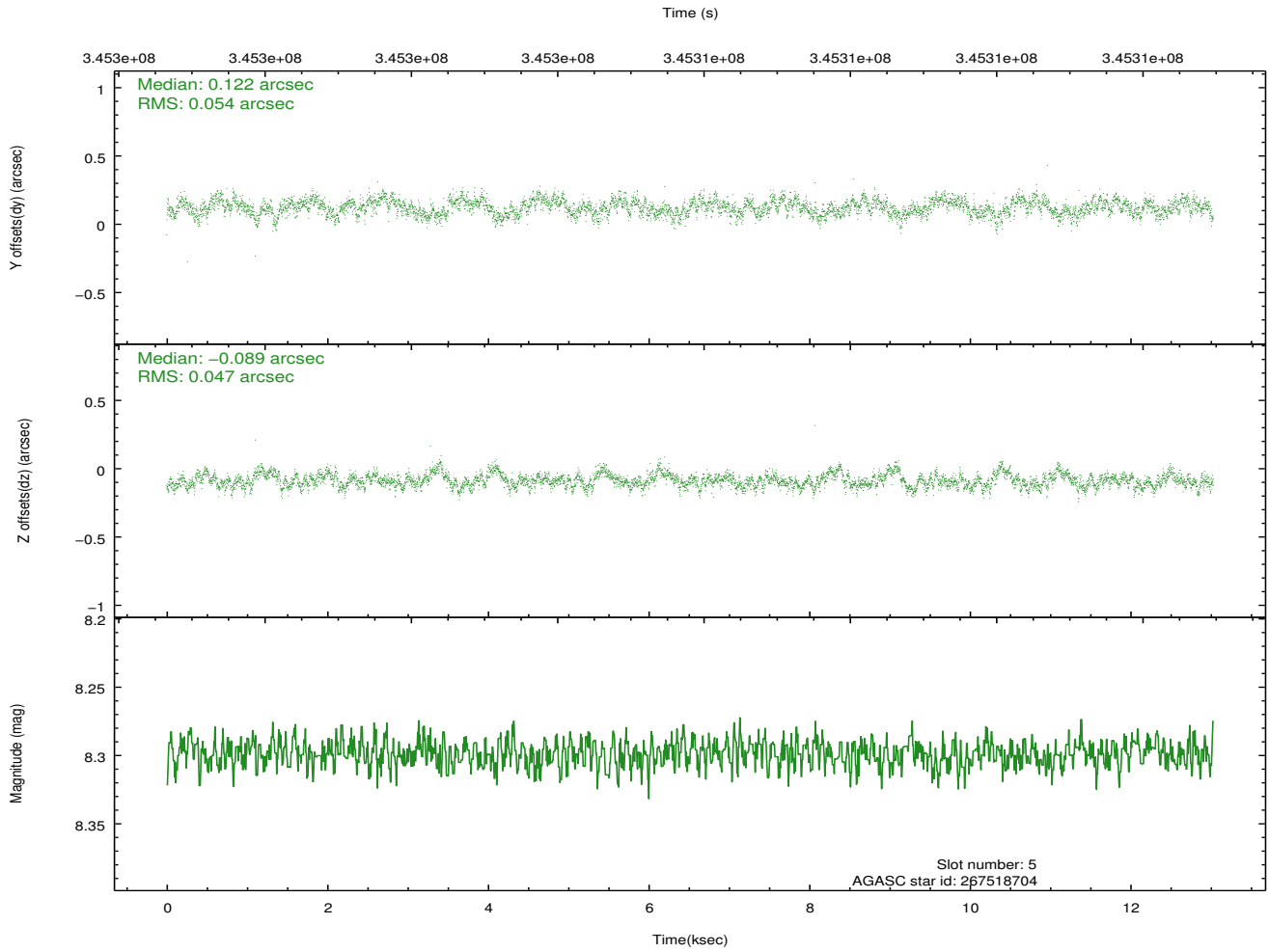
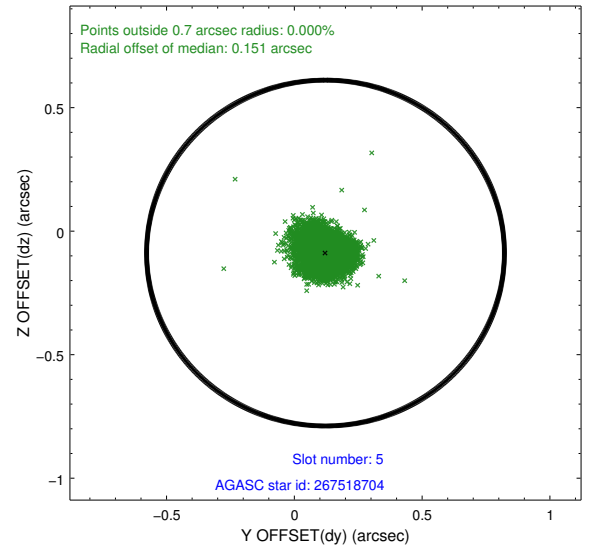
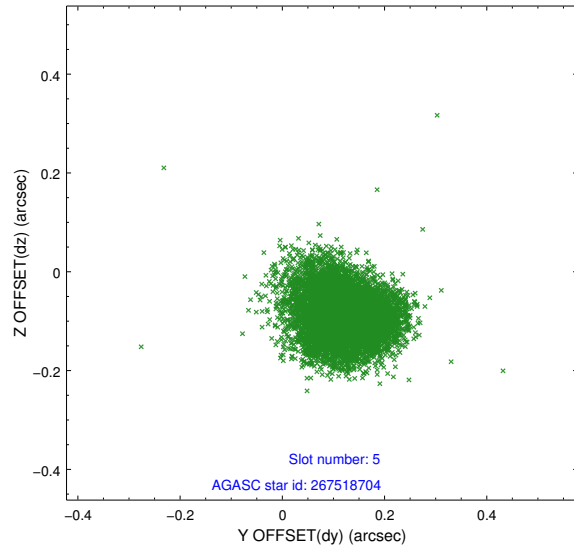
2.4.1 Slot 3



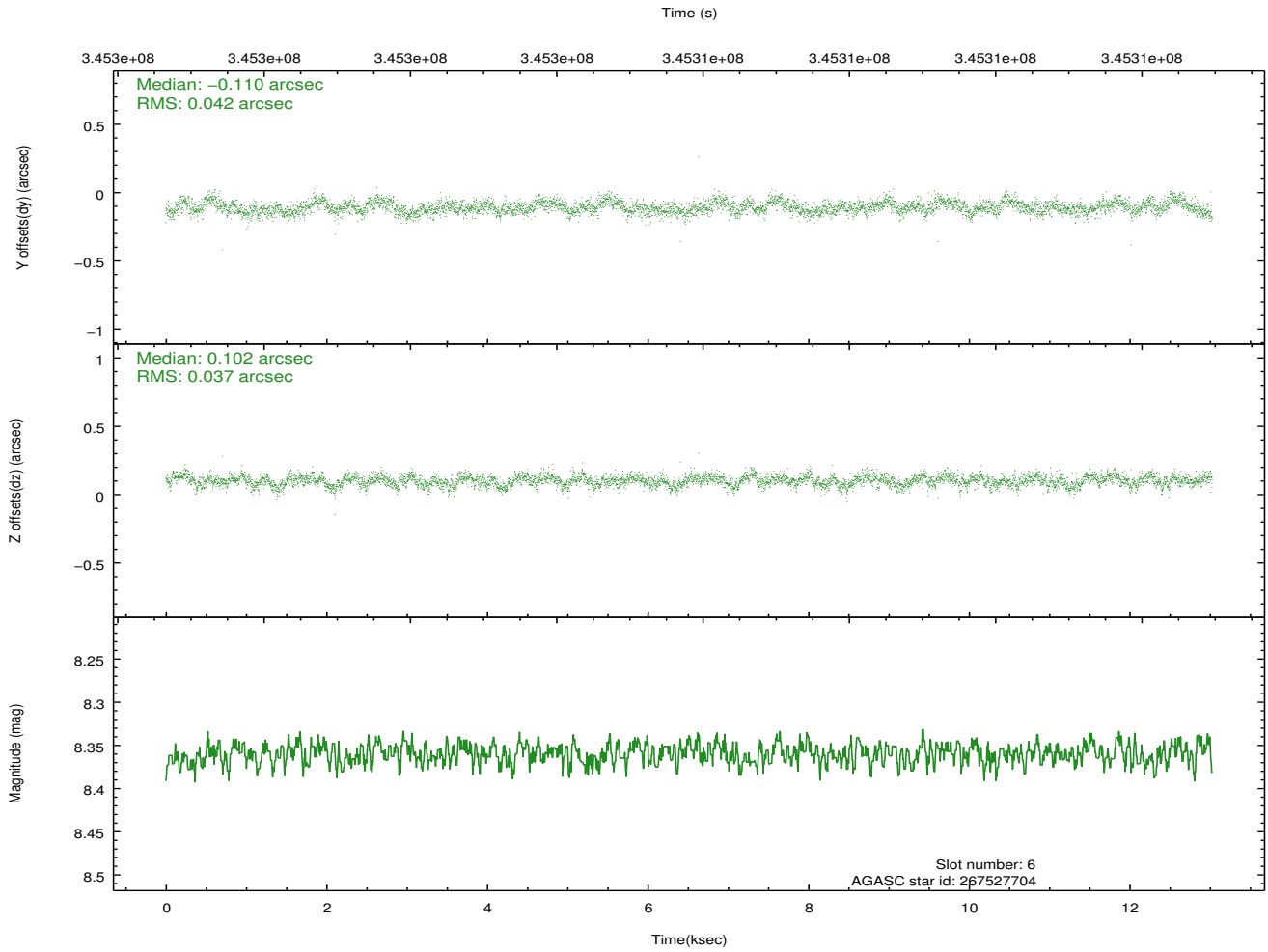
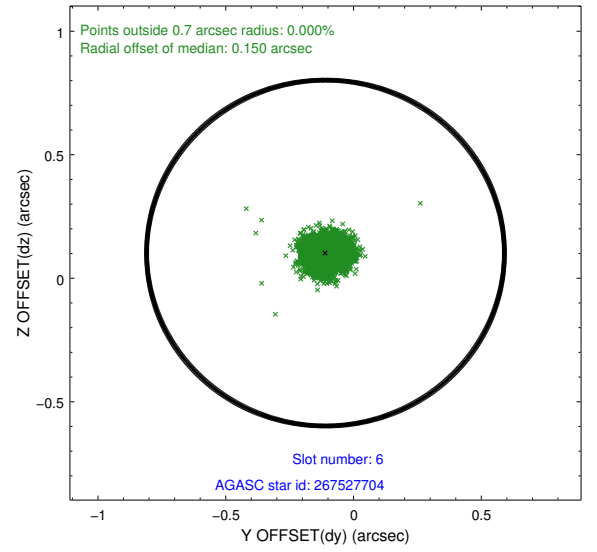
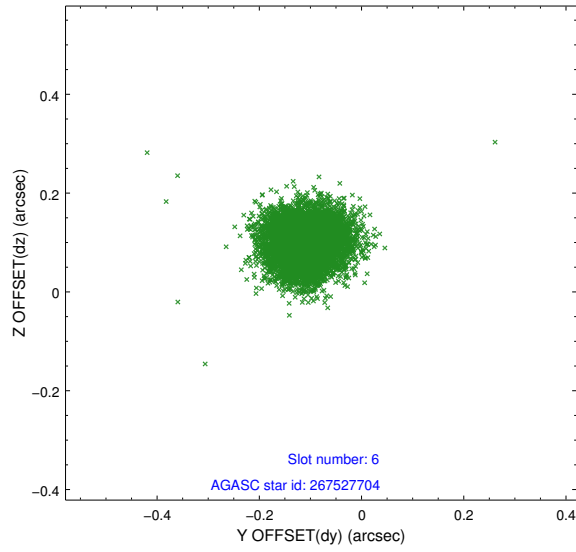
2.4.2 Slot 4



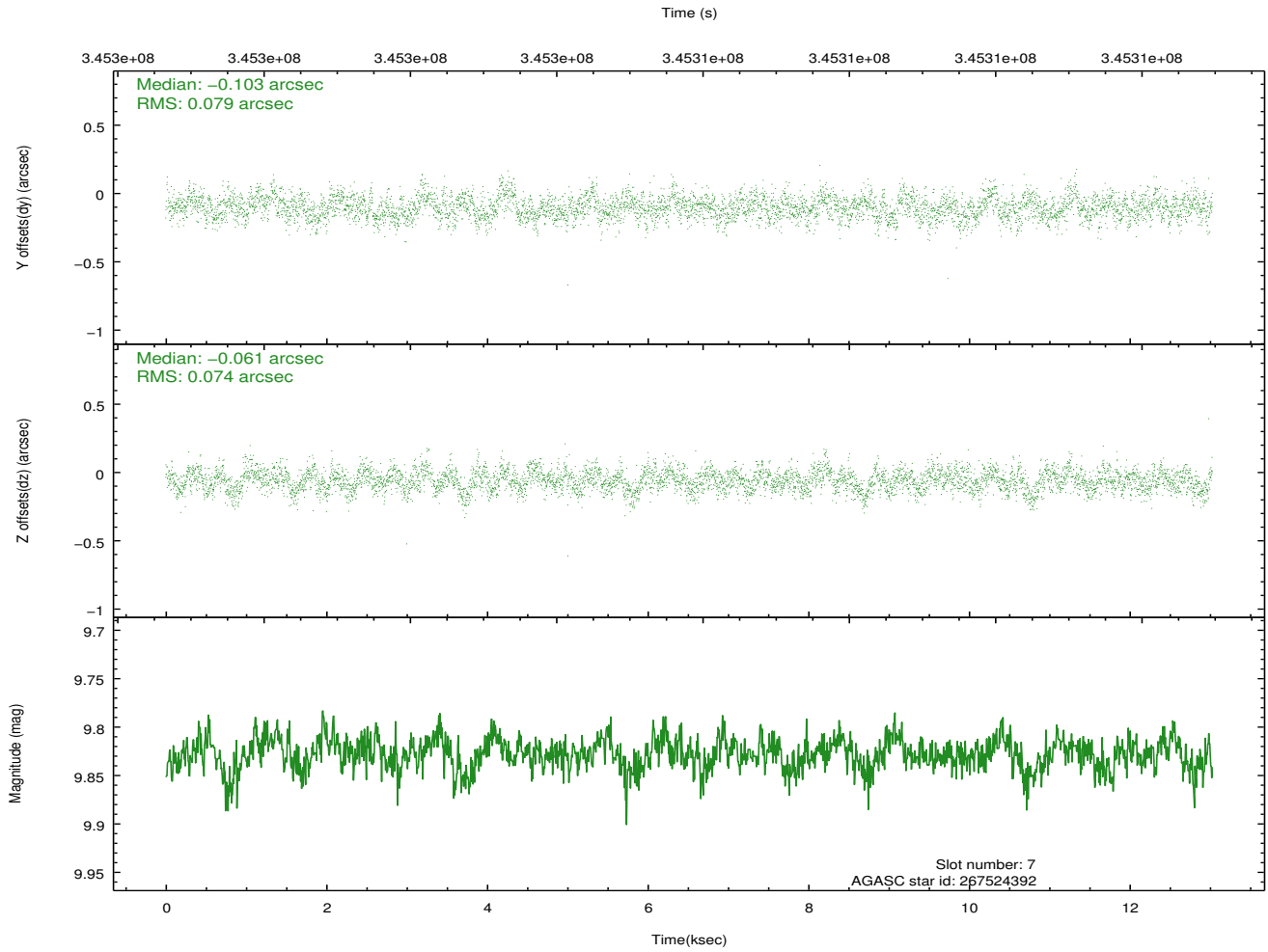
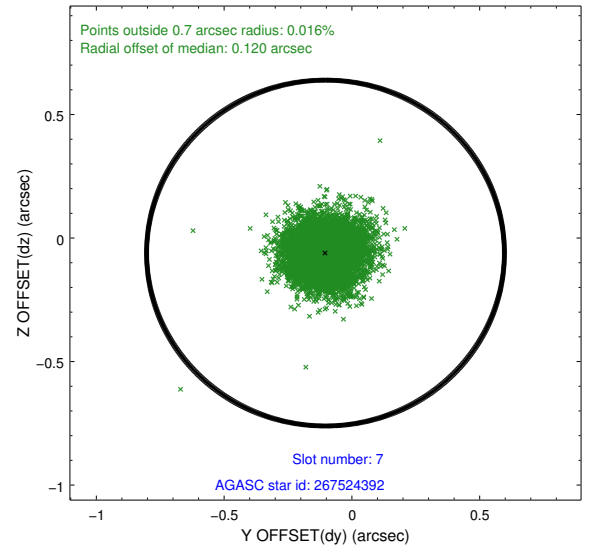
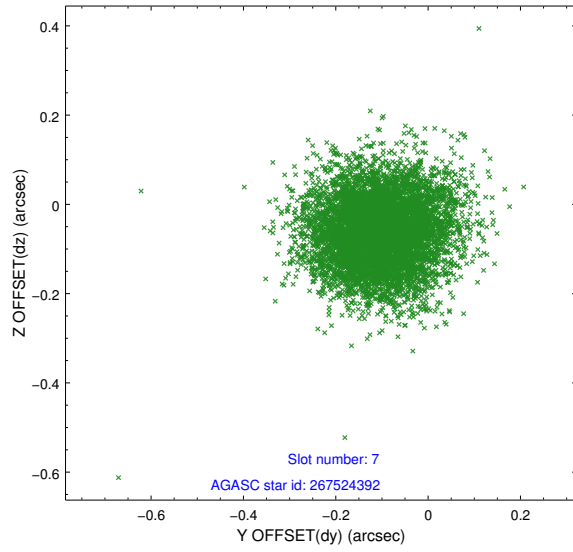
2.4.3 Slot 5



2.4.4 Slot 6

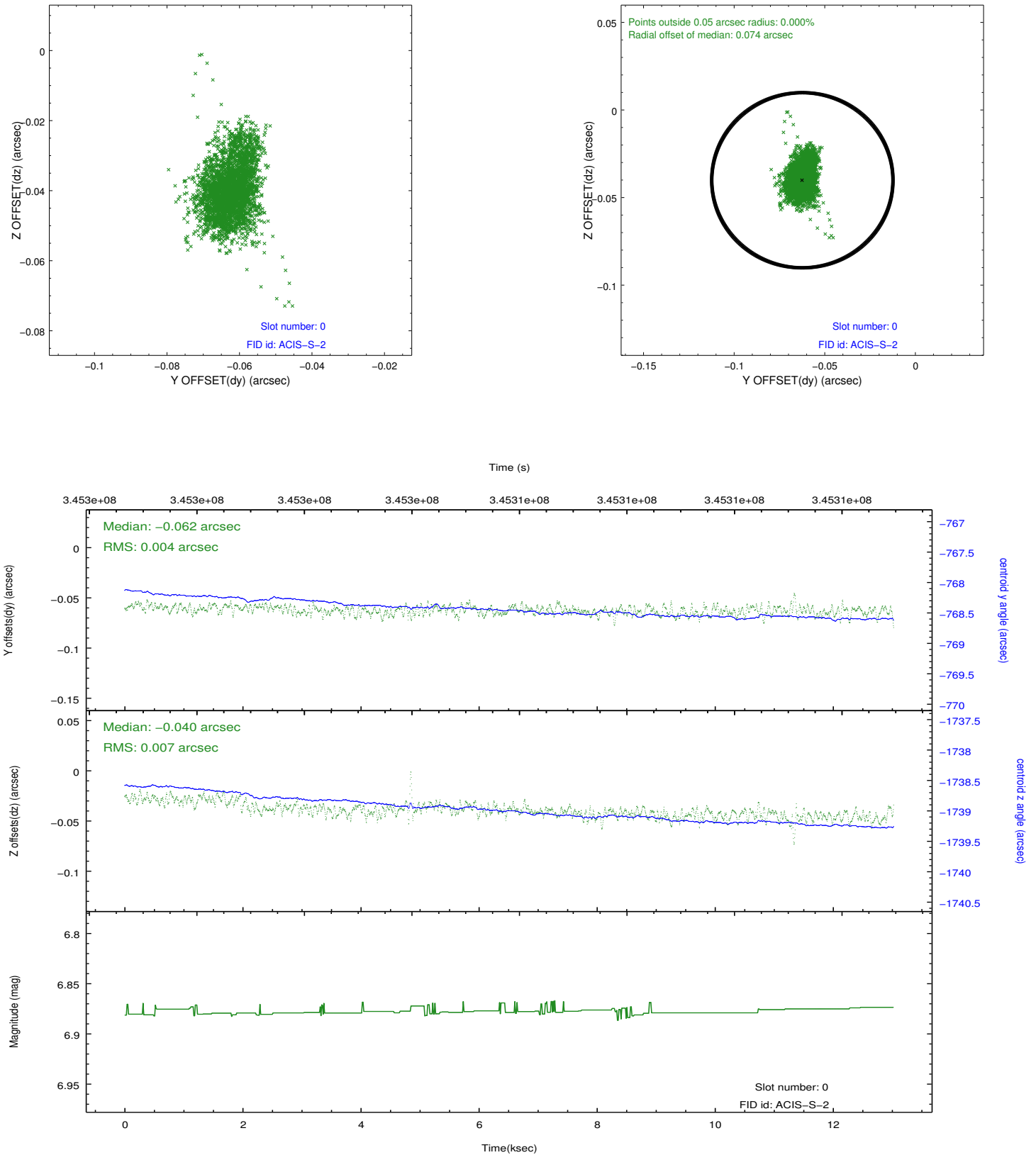


2.4.5 Slot 7

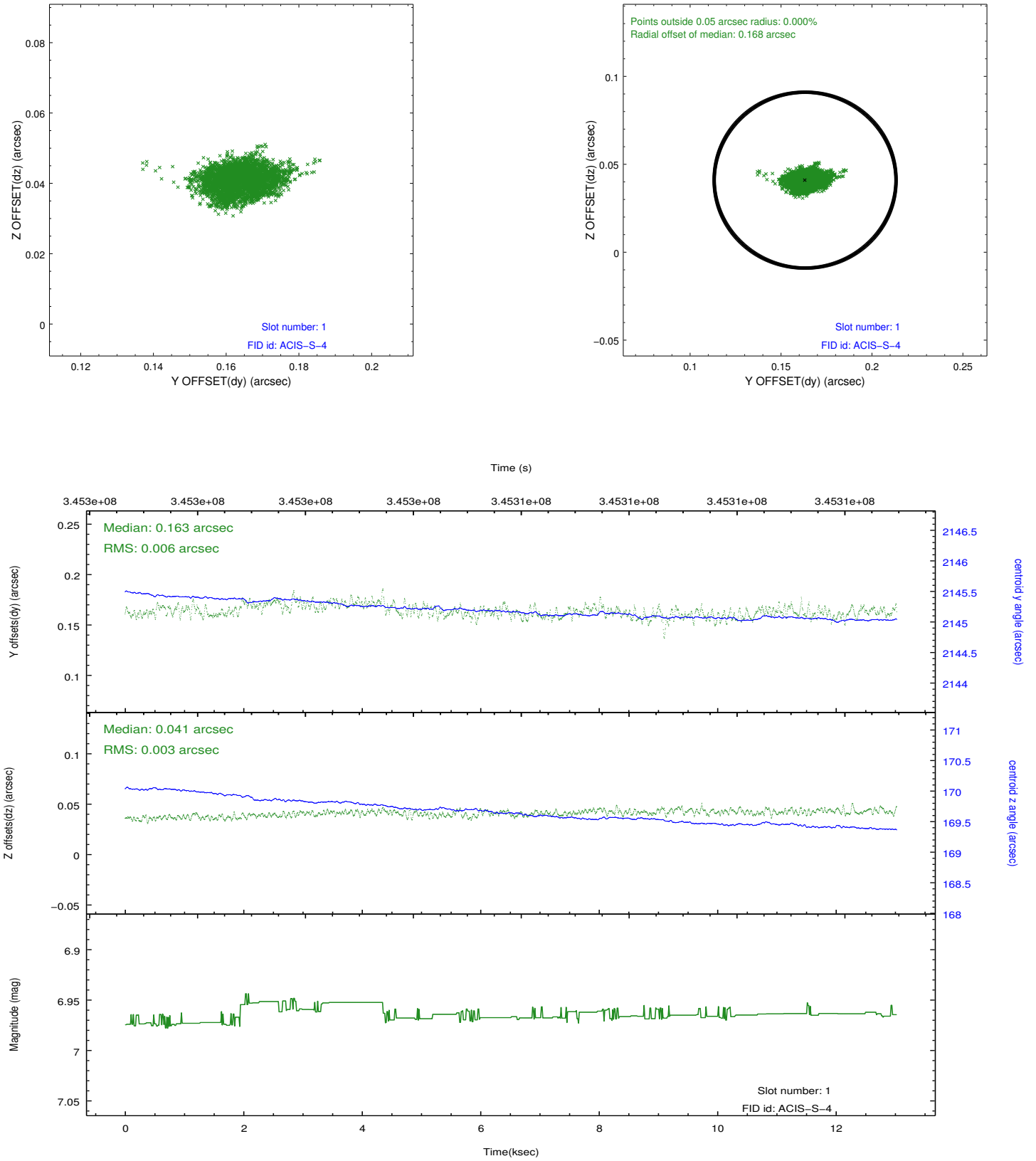


2.5 FID Slots

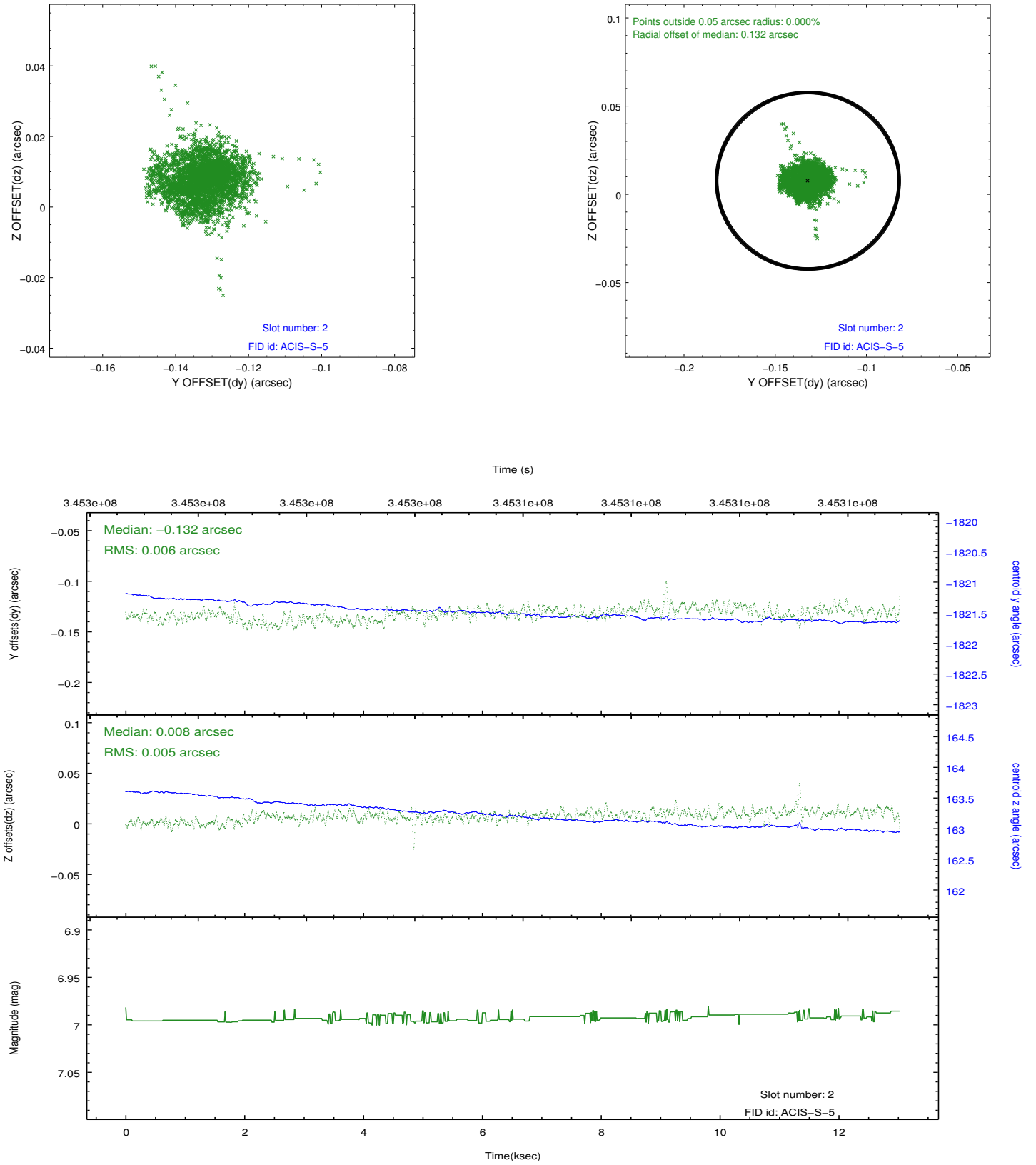
2.5.1 Slot 0



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)	2012.06.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	13.0231001

A.2 Comments

Joint proposal with NOAO.