

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 10155 - L2 Version 2
Chandra X-Ray Center

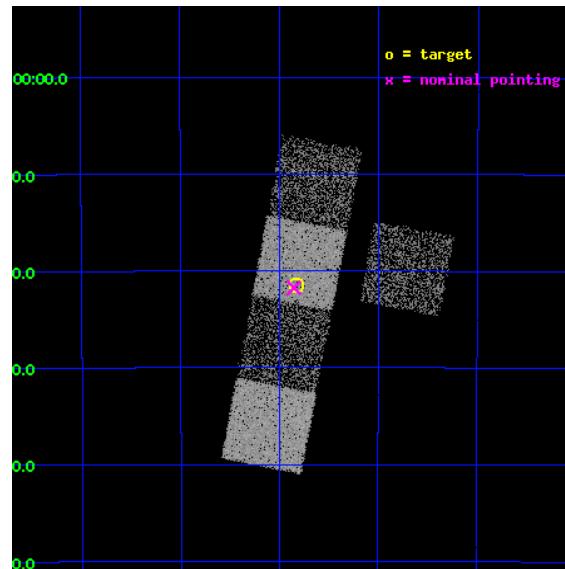
L2 Processing Date : May 31 2012

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1 Front

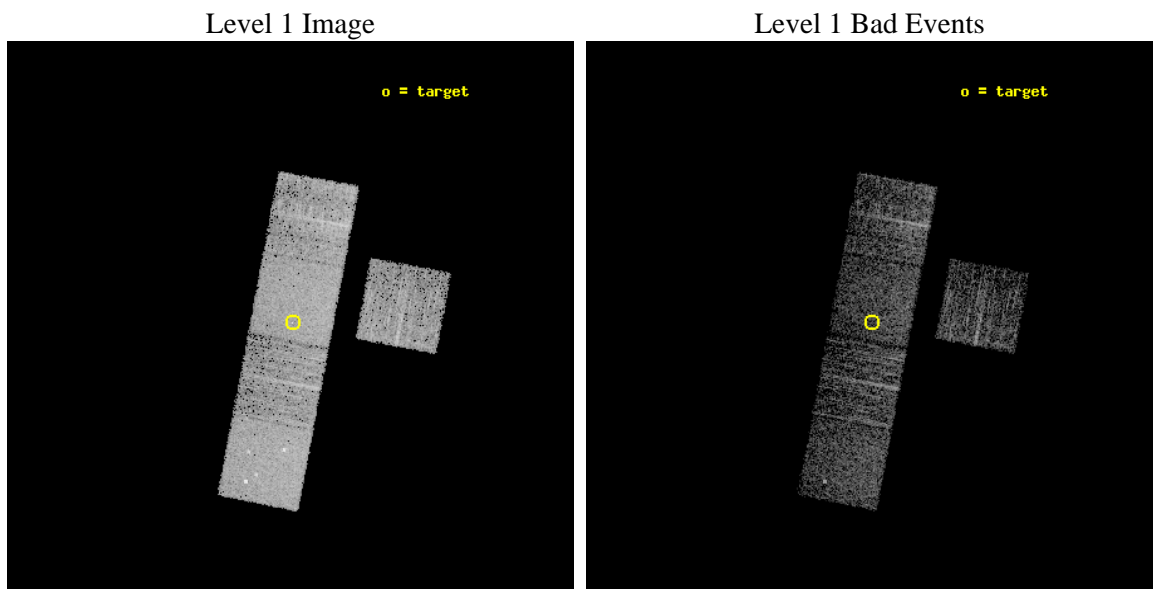
seq_num	501082	Sequence number
obs_id	10155	Observation id
title	Identifying the Nearest and Brightest Neutron Stars	Proposal title
observer	Prof. Derek Fox	Principal investigator
object	1RXSJ042849.7-462118	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	67.208333	Observer's specified target RA [deg]
dec_targ	-46.359139	Observer's specified target Dec [deg]
ra_nom	67.213352925491	Nominal RA [deg]
dec_nom	-46.362813258835	Nominal Dec [deg]
roll_nom	280.76026705785	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2032.4199066162	Sum of GTIs [s]
livetime	2005.8648442905	Livetime [s]
ontime3	2029.155806303	Sum of GTIs [s]
ontime5	2032.3788666129	Sum of GTIs [s]
ontime6	2032.3378266096	Sum of GTIs [s]
ontime7	2032.4199066162	Sum of GTIs [s]
ontime8	2032.255746603	Sum of GTIs [s]
l2events	33663	Number of level 2 events



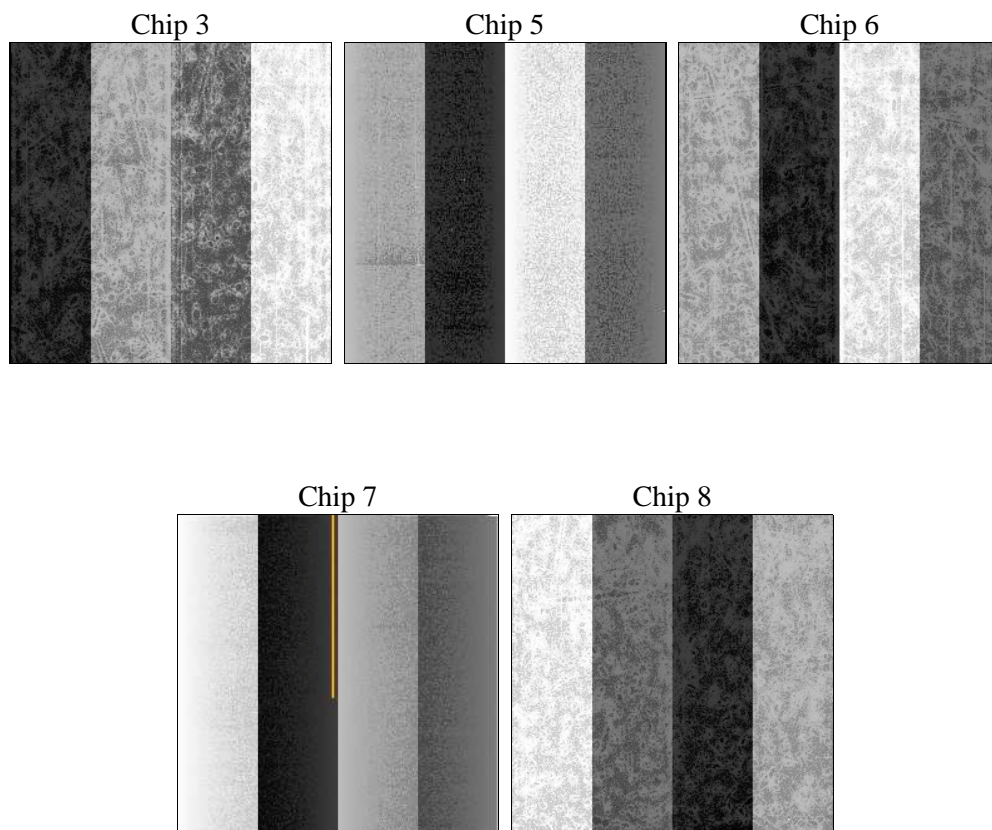
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	2032.4199066162	Sum of GTIs [s]
caldsver	4.4.9	 	ontime3	2029.155806303	Sum of GTIs [s]
date	2012-05-31T14:25:54	Date and time of file creation	ontime5	2032.3788666129	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	2032.3378266096	Sum of GTIs [s]
			ontime7	2032.4199066162	Sum of GTIs [s]
			ontime8	2032.255746603	Sum of GTIs [s]
			l1events	130325	Number of level 1 events

2.1.4 Events

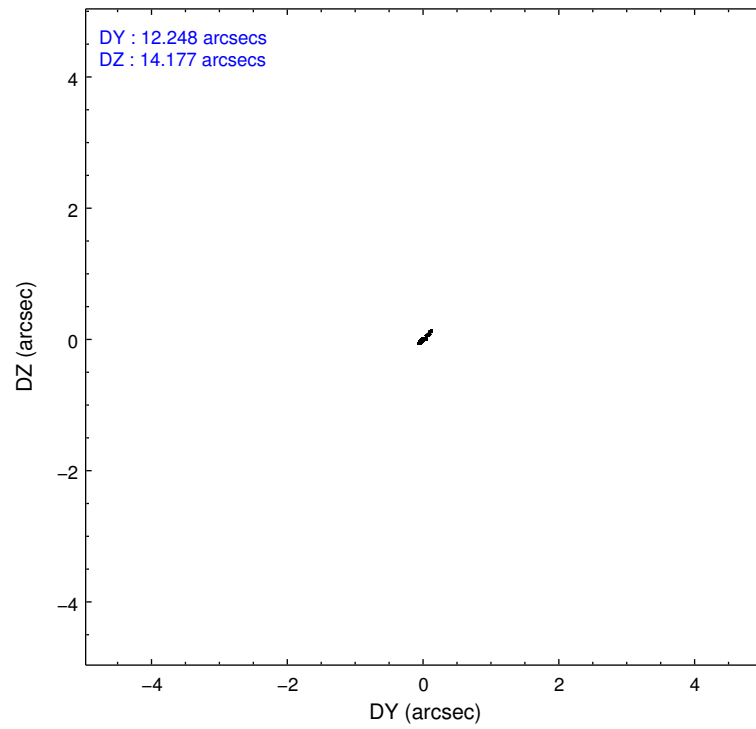
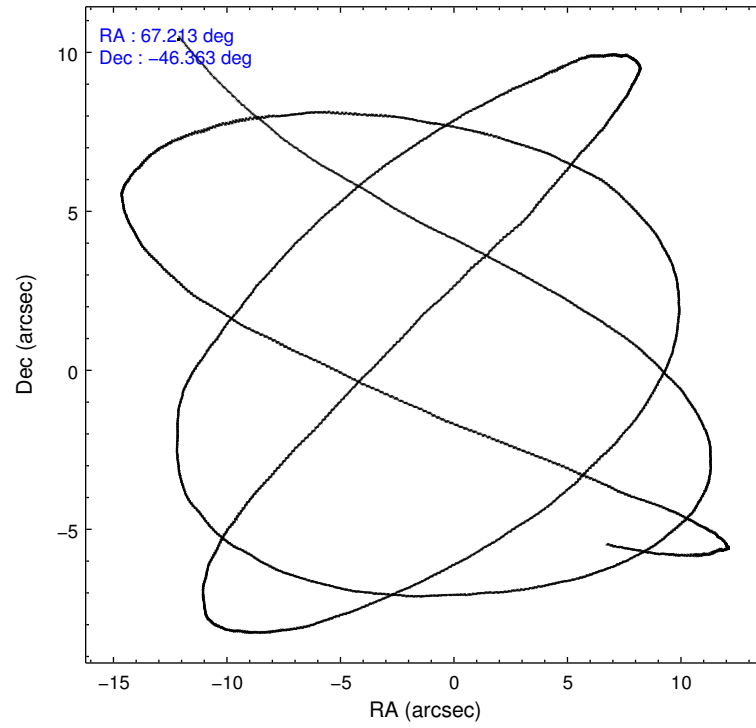
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	20003	33311	20834	29761	26416
rejected events	17476	17508	18312	17259	20206
rejected %	87%	52%	87%	57%	76%

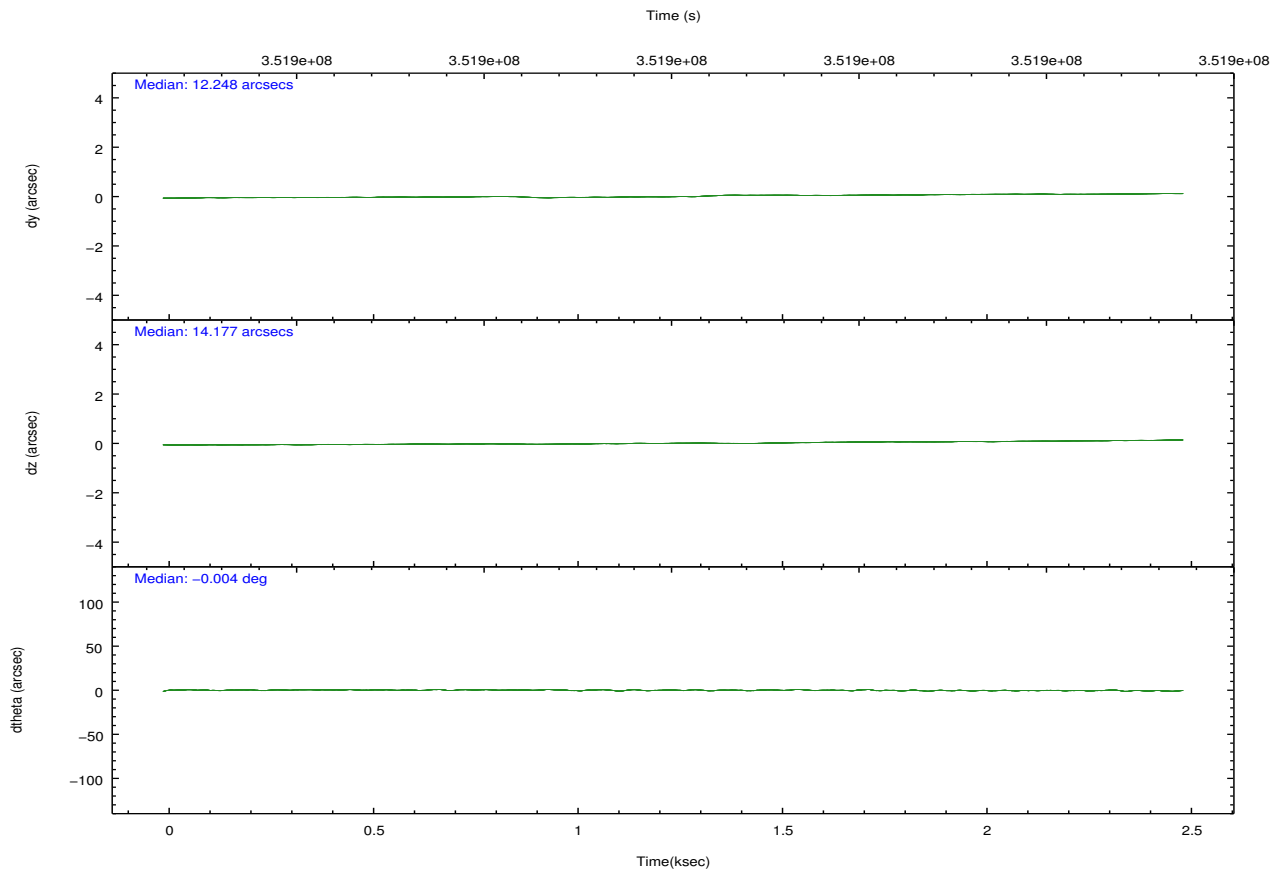
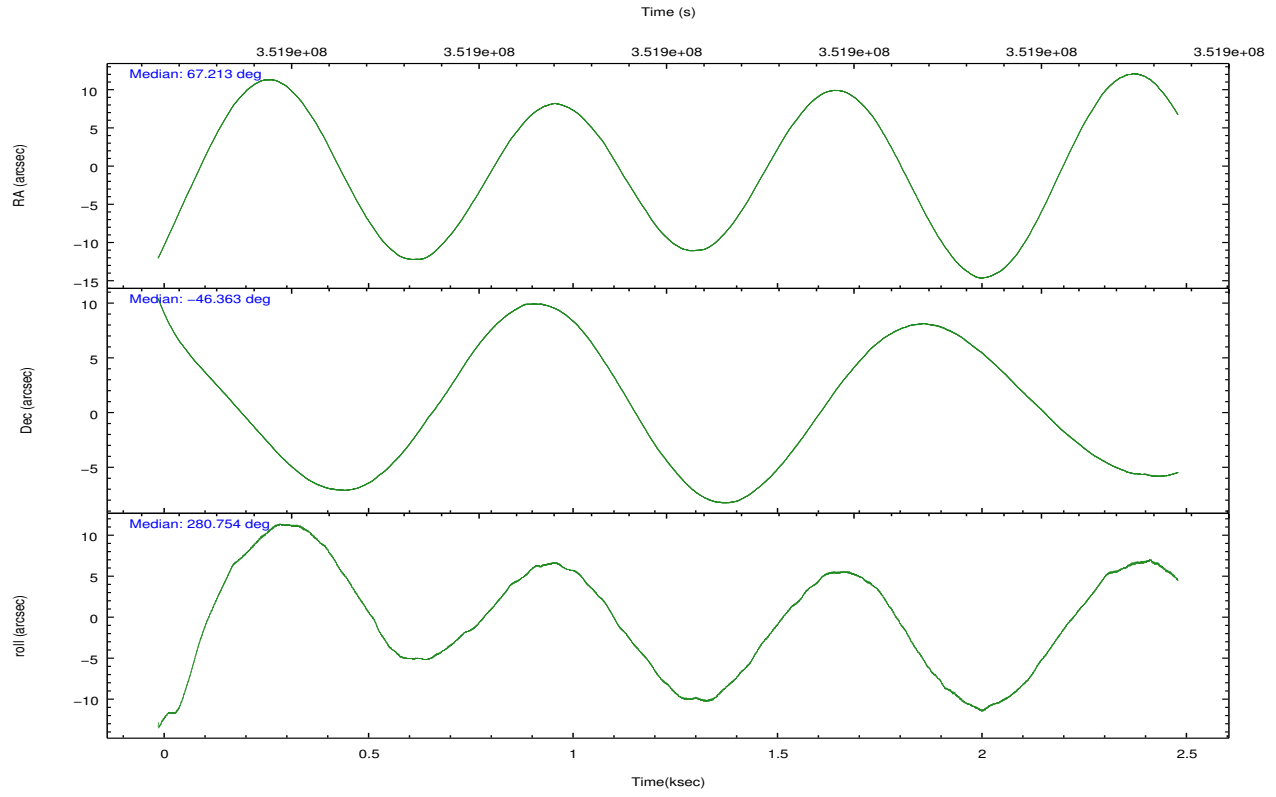
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	1125	1793	982	1091	2037
	5%	5%	4%	3%	7%
grade 1 events	14	217	15	18	25
	0%	0%	0%	0%	0%
grade 2 events	496	5013	545	2632	1325
	2%	15%	2%	8%	5%
grade 3 events	219	538	239	1046	635
	1%	1%	1%	3%	2%
grade 4 events	231	556	233	1127	616
	1%	1%	1%	3%	2%
grade 5 events	1020	2257	1034	2862	1299
	5%	6%	4%	9%	4%
grade 6 events	464	7962	531	6637	1632
	2%	23%	2%	22%	6%
grade 7 events	16434	14975	17255	14348	18847
	82%	44%	82%	48%	71%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-35678	ACIS-35678	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	67.186816	67.21335292549111	CCD I2 on	N	N
[deg] Pointing Dec	-46.342248	-46.36281325883505	CCD I3 on	Y	Y
[deg] Pointing Roll	280.584433	280.7602670578534	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	Y	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	Y	Y
[s] Observation start time (MET)	351898751.184000	351897523.6076	CCD S5 on	N	N
Observation start date	2009-02-24T21:38:05	2009-02-24T21:18:43	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	351900751.184000	351901758.90781	On-chip summing requested	N	N
Observation end date	2009-02-24T22:11:25	2009-02-24T22:29:18	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



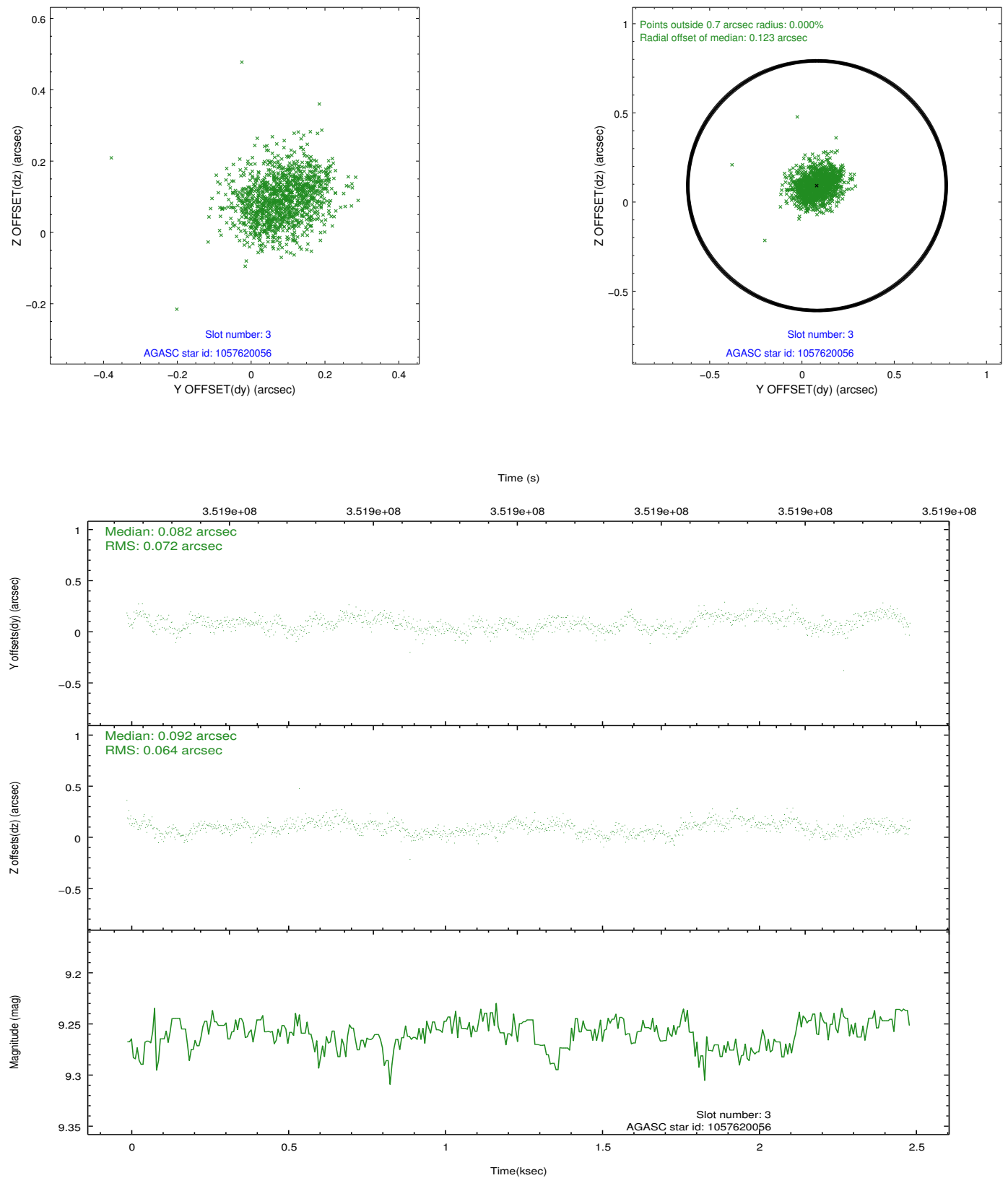


Slot Statistics

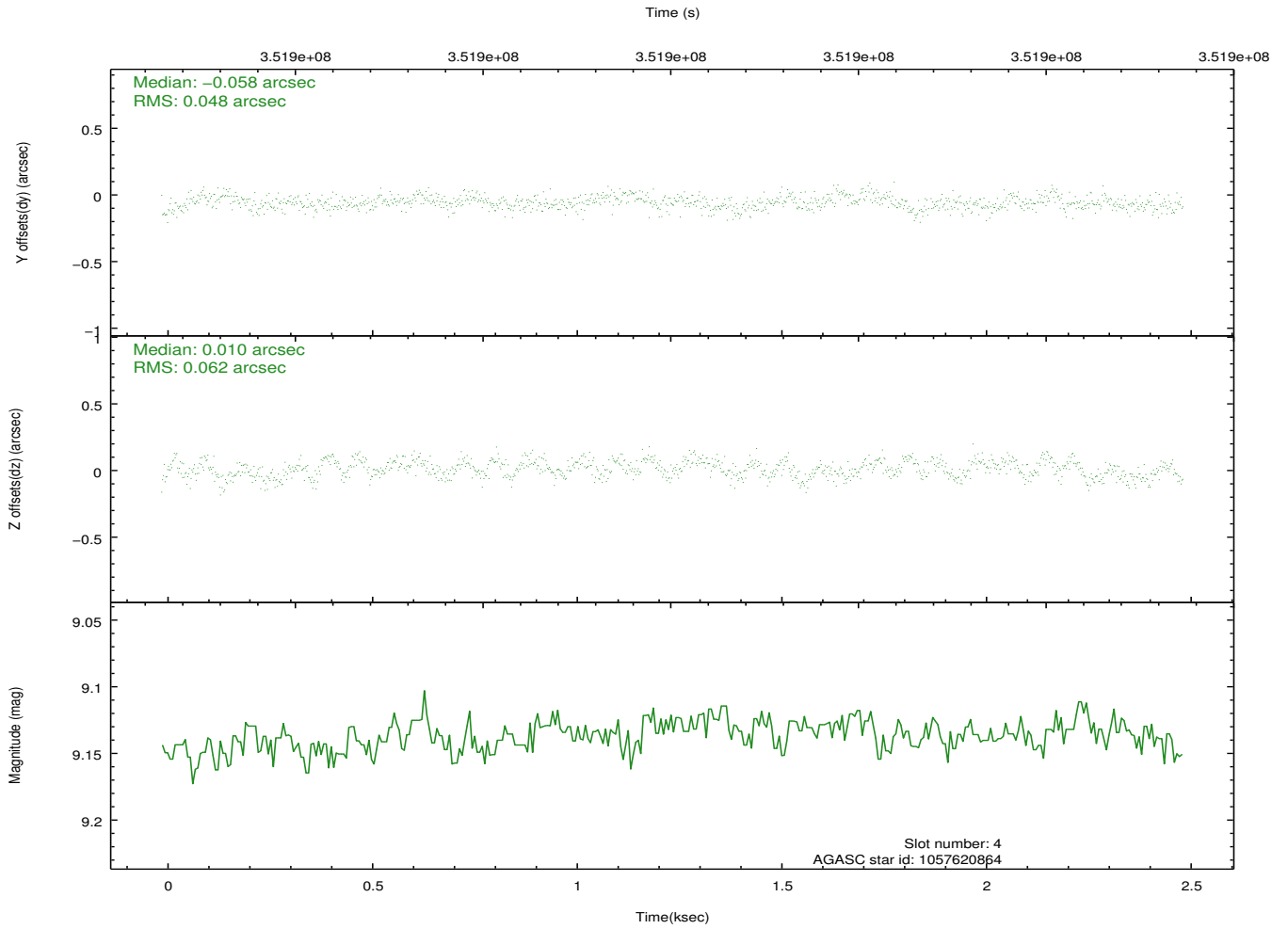
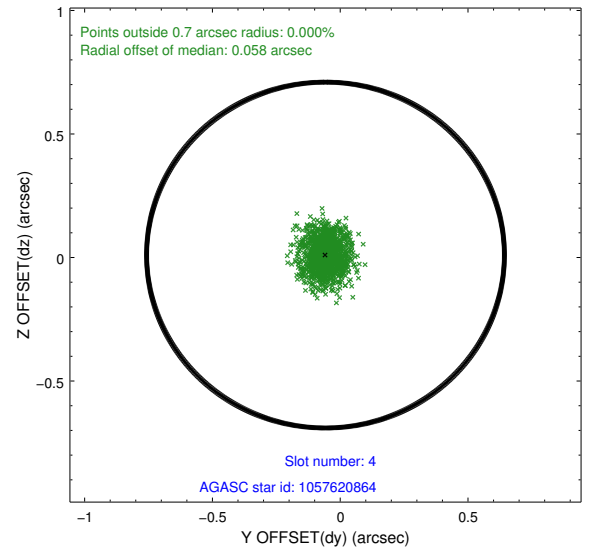
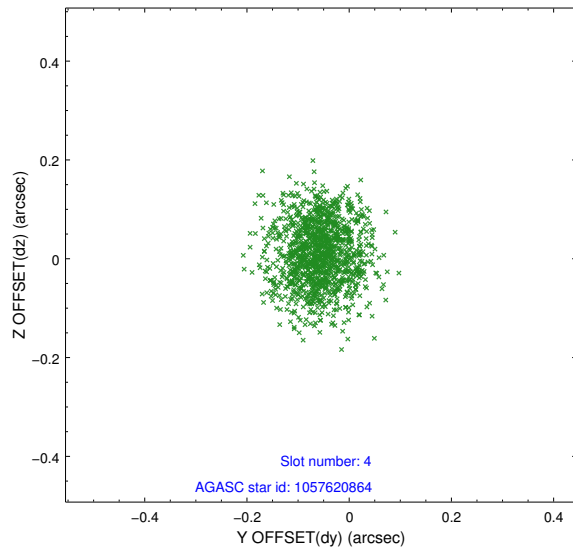
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.89	609	-0.038	-0.037	0.006	0.010	0.000000	0.000000	-765.19	-1735.59
1	FID	ACIS-S-4	6.98	609	0.148	0.028	0.006	0.010	0.000000	0.000000	2147.08	170.28
2	FID	ACIS-S-5	7.01	609	-0.141	0.017	0.007	0.011	0.000000	0.000000	-1814.82	166.87
3	GUIDE	1057620056	9.26	1218	0.082	0.092	0.101	0.160	67.216849	-46.852908	1820.51	-264.97
4	GUIDE	1057620864	9.14	1215	-0.058	0.010	0.085	0.136	66.728137	-46.171533	-809.43	-1012.56
5	GUIDE	1057622648	8.72	1215	-0.028	-0.004	0.069	0.116	66.881940	-46.589726	738.18	-906.42
6	GUIDE	1058538800	8.69	1209	-0.007	-0.109	0.072	0.123	67.687994	-46.521770	867.50	1099.85
7	GUIDE	1058543376	9.05	1216	0.012	0.012	0.097	0.164	67.781608	-46.538913	972.43	1317.35

2.4 Star Slots

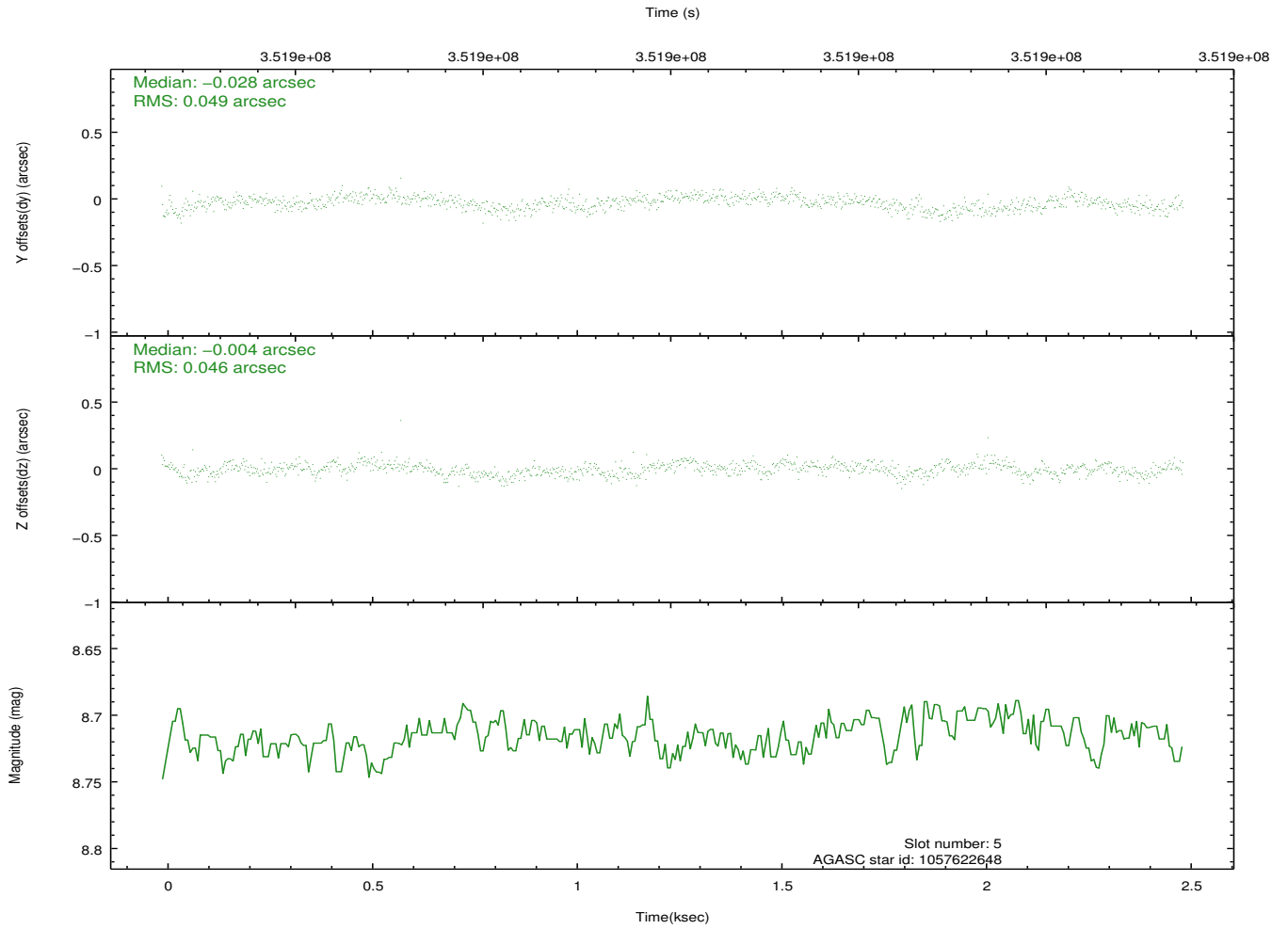
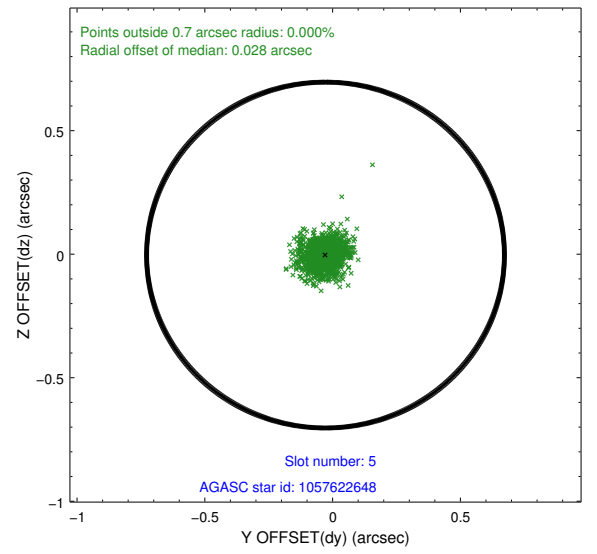
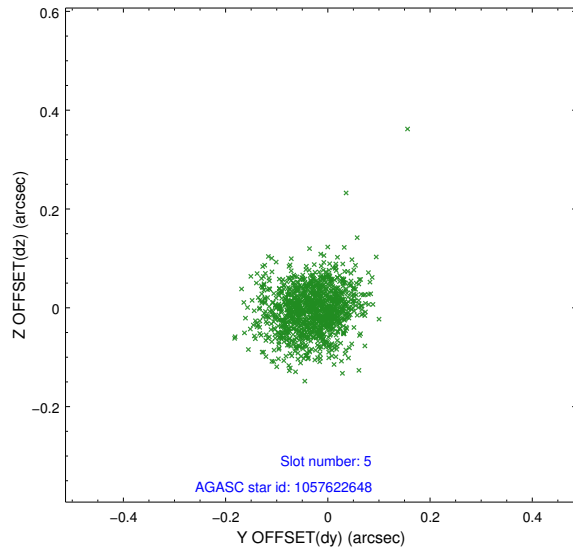
2.4.1 Slot 3



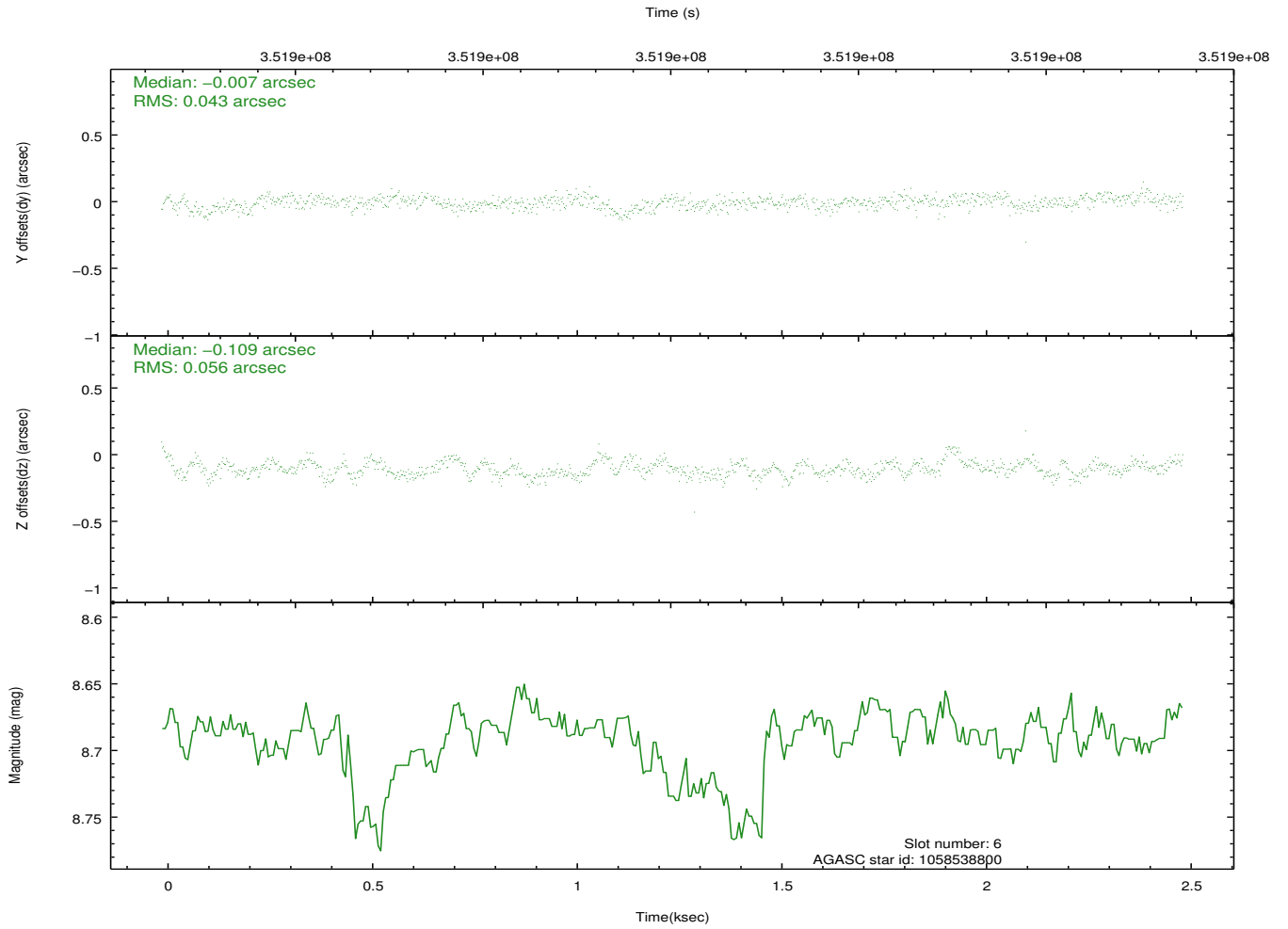
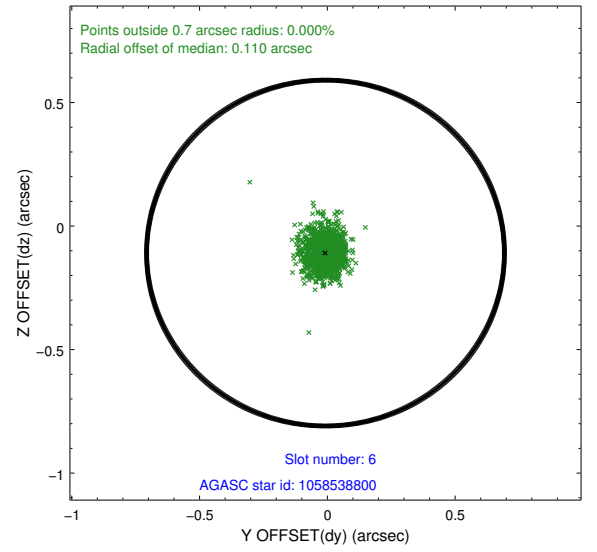
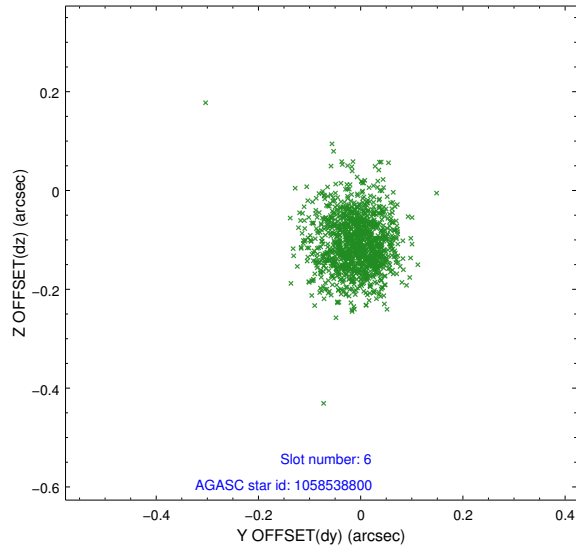
2.4.2 Slot 4



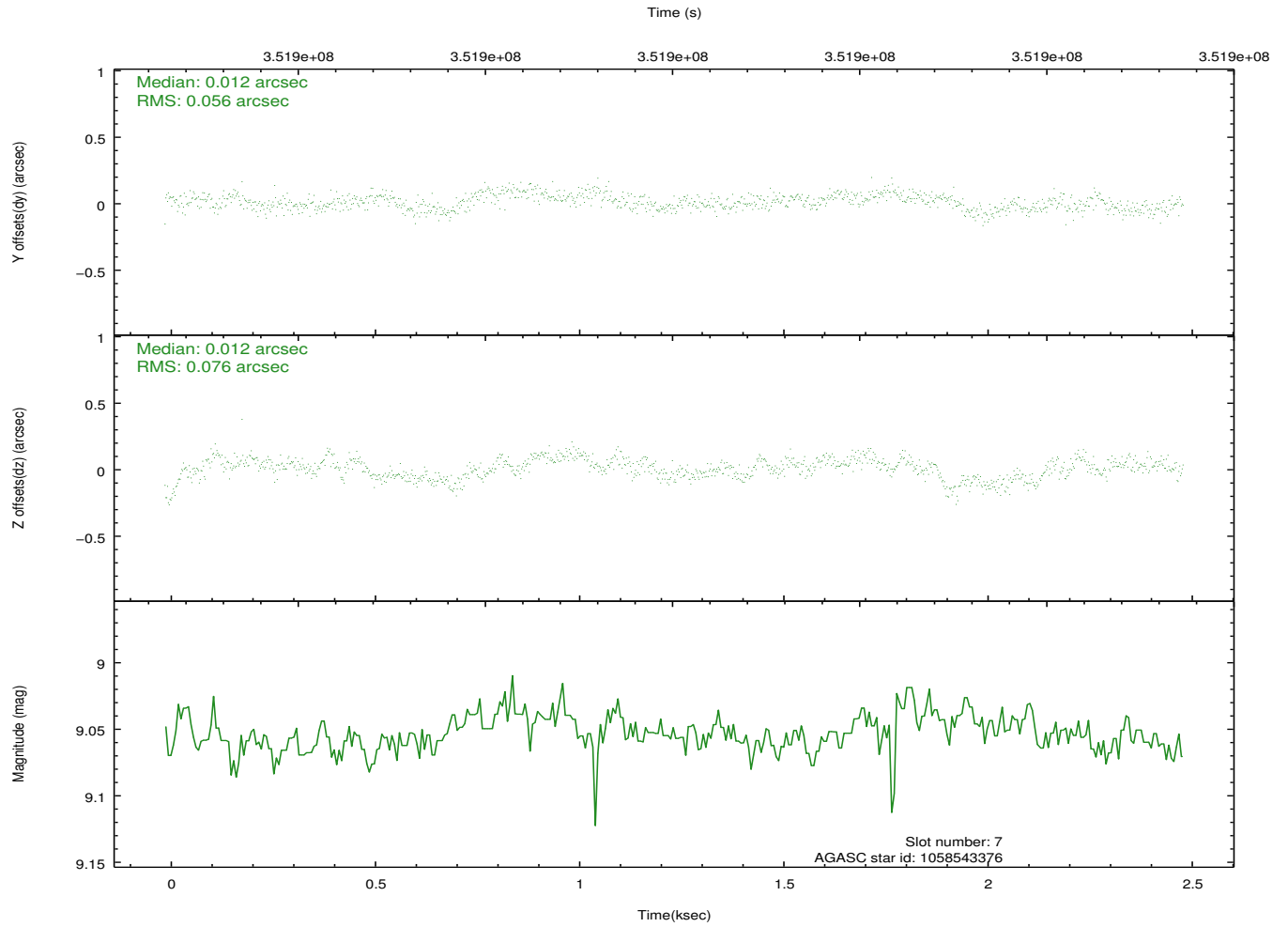
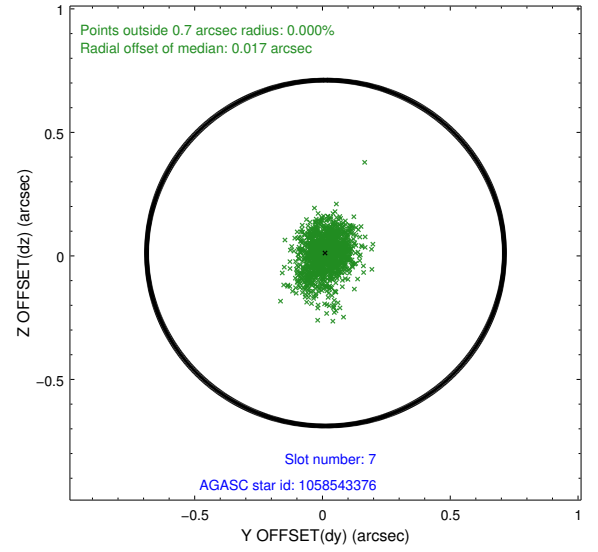
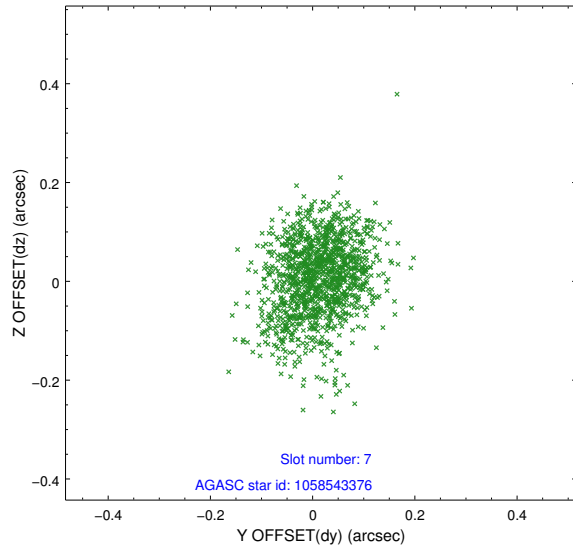
2.4.3 Slot 5



2.4.4 Slot 6

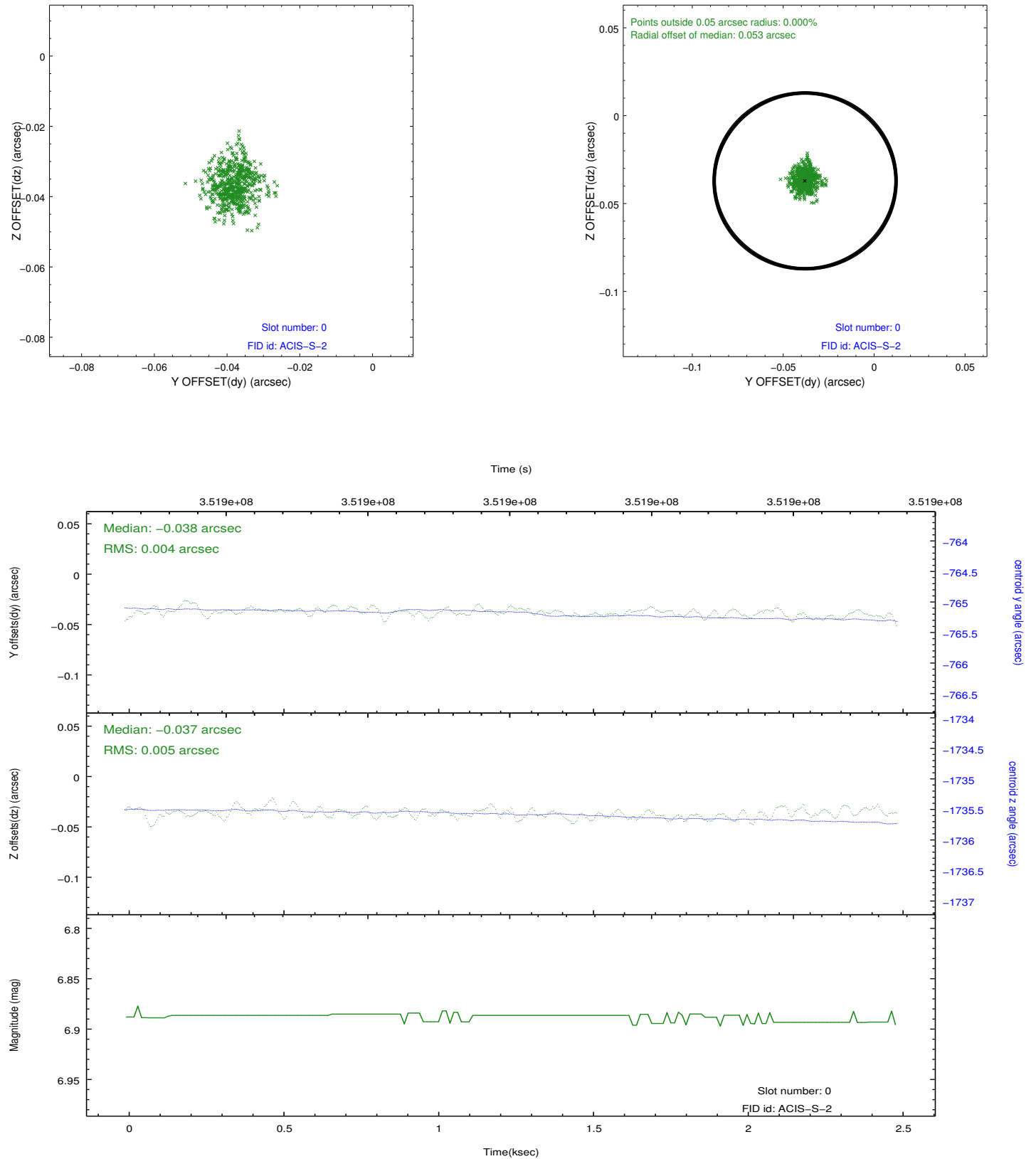


2.4.5 Slot 7

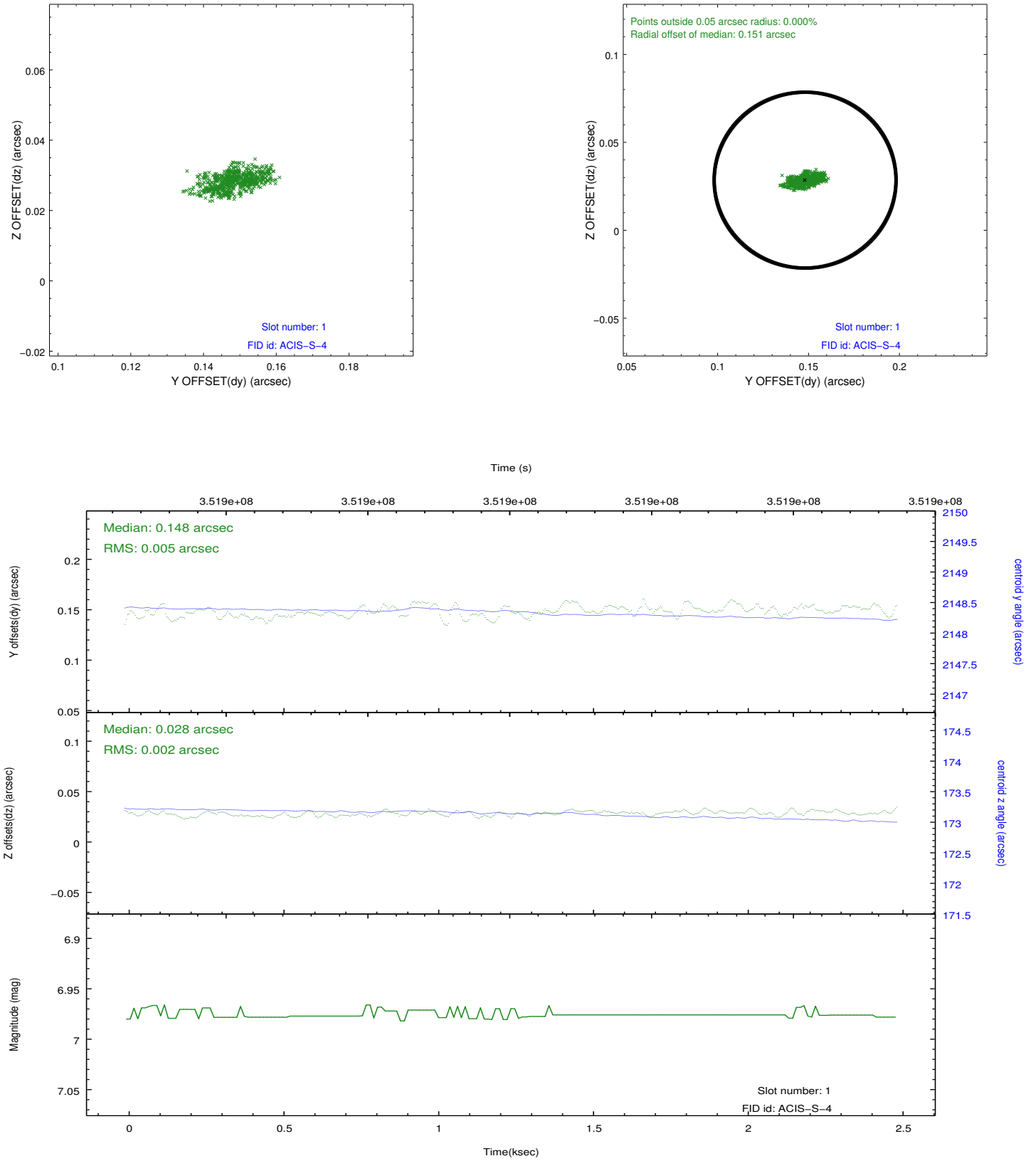


2.5 FID Slots

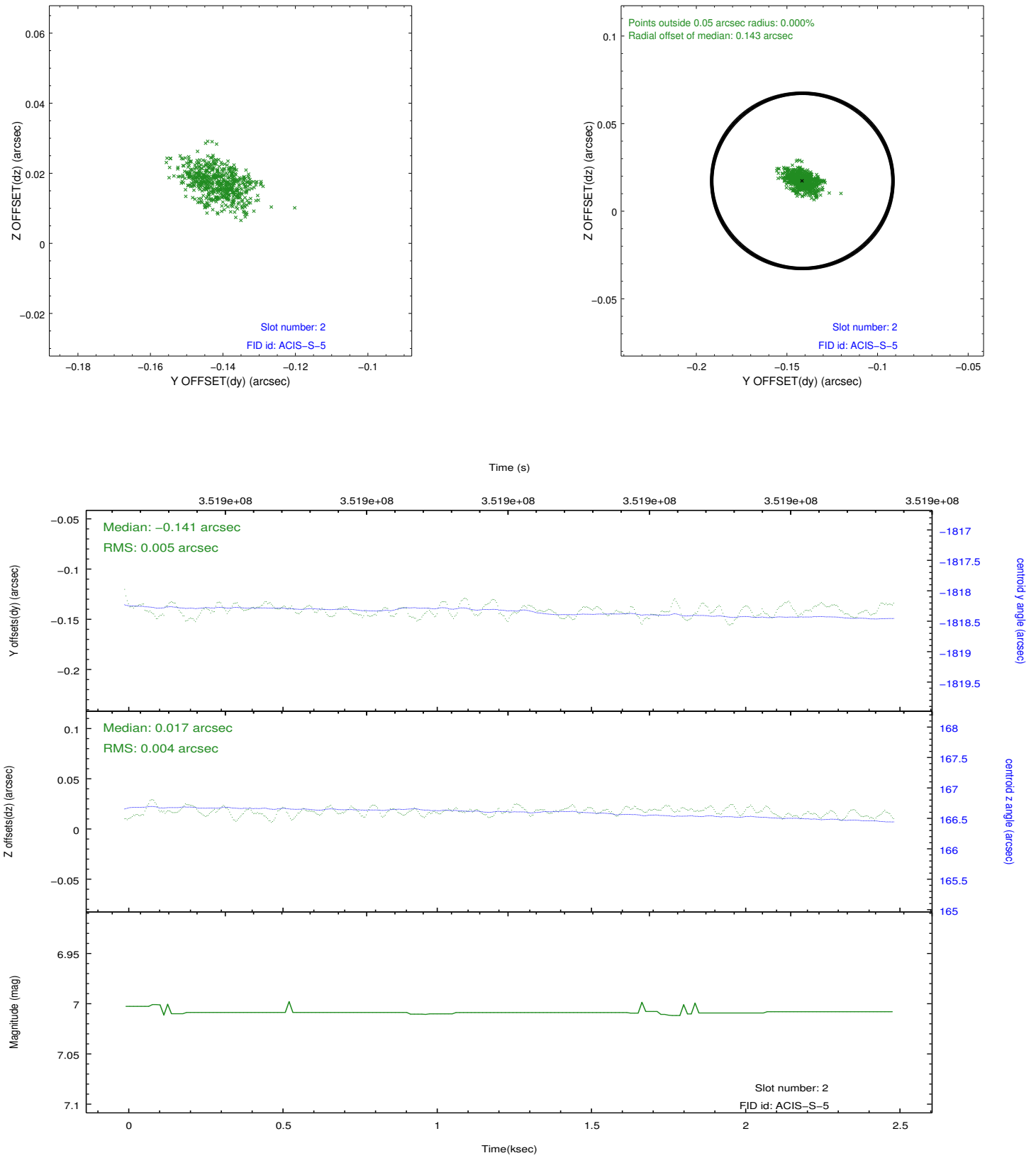
2.5.1 Slot 0



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)	2012.06.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.03360001

A.2 Comments