

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 7531 - L2 Version 3
Chandra X-Ray Center

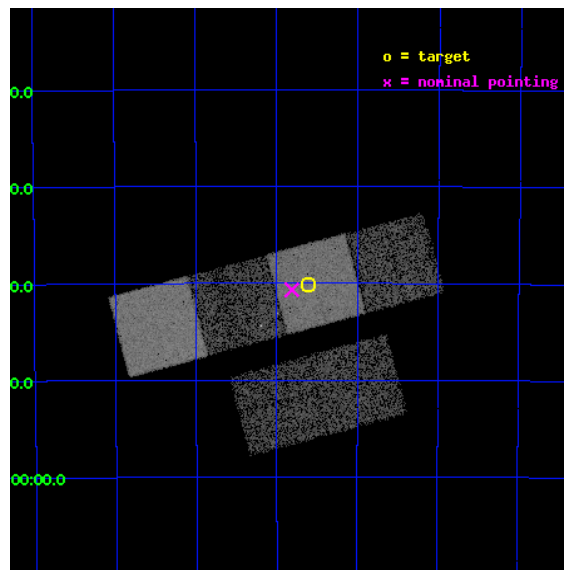
L2 Processing Date : Apr 24 2012

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1 Front

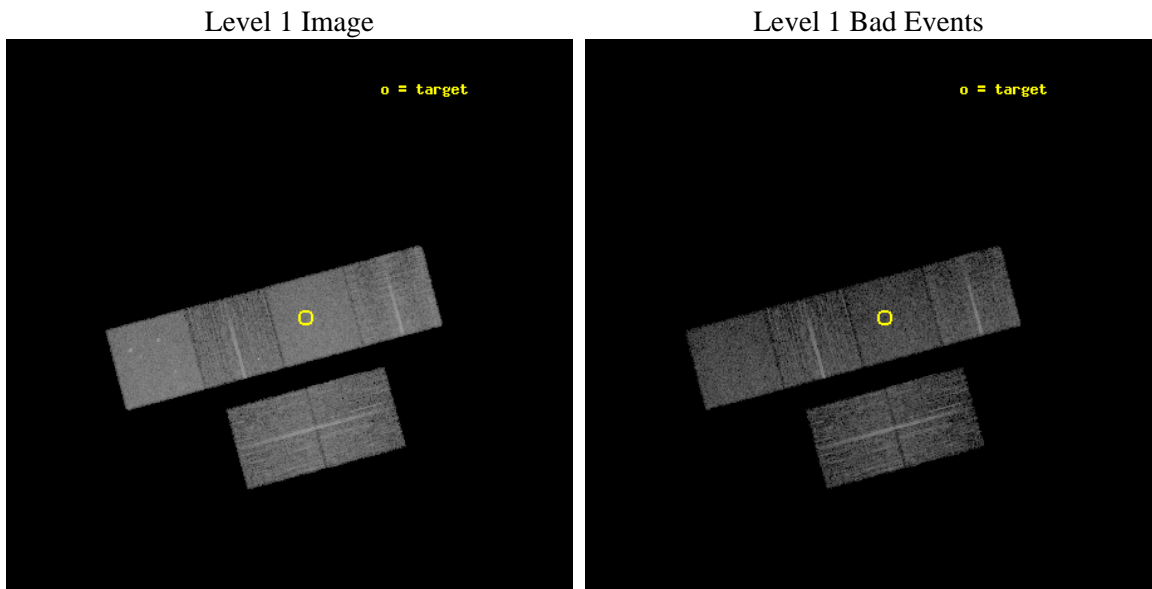
seq_num	400641	Sequence number
obs_id	7531	Observation id
title	Localization and Spectra of INTEGRAL-Selected Sources in the Galactic Plane	Proposal title
observer	Dr. John Tomsick	Principal investigator
object	IGR J14515-5542	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	222.904	Observer's specified target RA [deg]
dec_targ	-55.669	Observer's specified target Dec [deg]
ra_nom	222.95316801906	Nominal RA [deg]
dec_nom	-55.678077869522	Nominal Dec [deg]
roll_nom	345.02668984821	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4950.3999816179	Sum of GTIs [s]
livetime	4887.7150362777	Livetime [s]
ontime2	4950.3999816179	Sum of GTIs [s]
ontime3	4950.3999816179	Sum of GTIs [s]
ontime5	4950.3999816179	Sum of GTIs [s]
ontime6	4950.3999816179	Sum of GTIs [s]
ontime7	4950.3999816179	Sum of GTIs [s]
ontime8	4950.3999816179	Sum of GTIs [s]
l2events	81683	Number of level 2 events



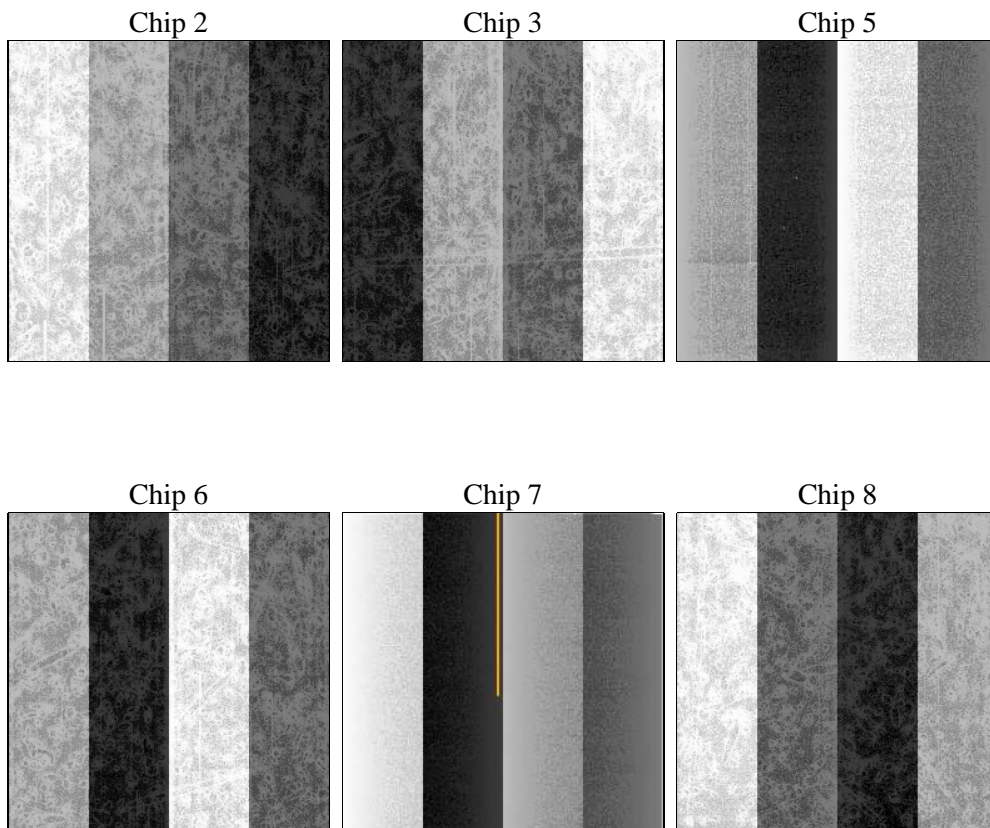
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	4950.3999816179	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	4950.3999816179	Sum of GTIs [s]
date	2012-04-24T21:09:58	Date and time of file creation	ontime3	4950.3999816179	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	4950.3999816179	Sum of GTIs [s]
			ontime6	4950.3999816179	Sum of GTIs [s]
			ontime7	4950.3999816179	Sum of GTIs [s]
			ontime8	4950.3999816179	Sum of GTIs [s]
			l1events	348167	Number of level 1 events

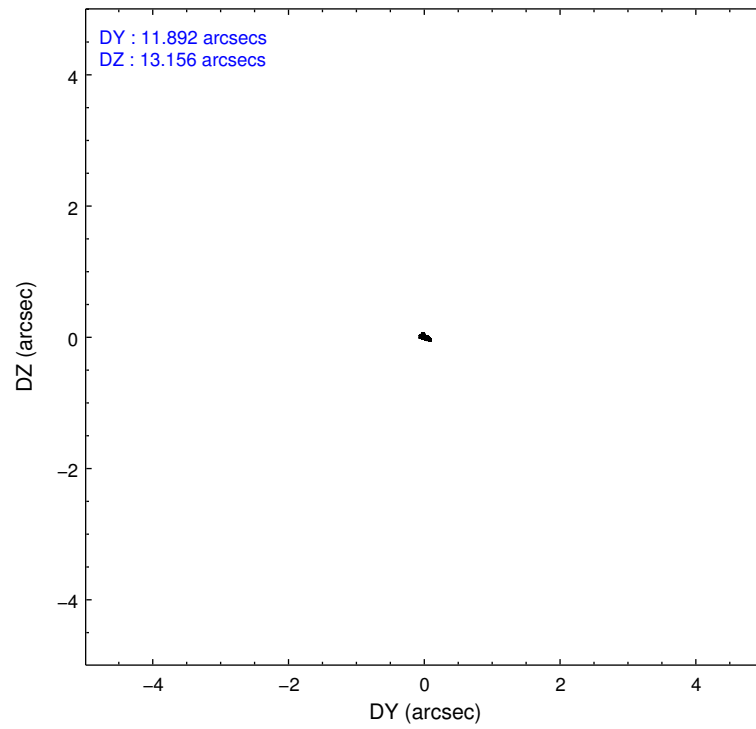
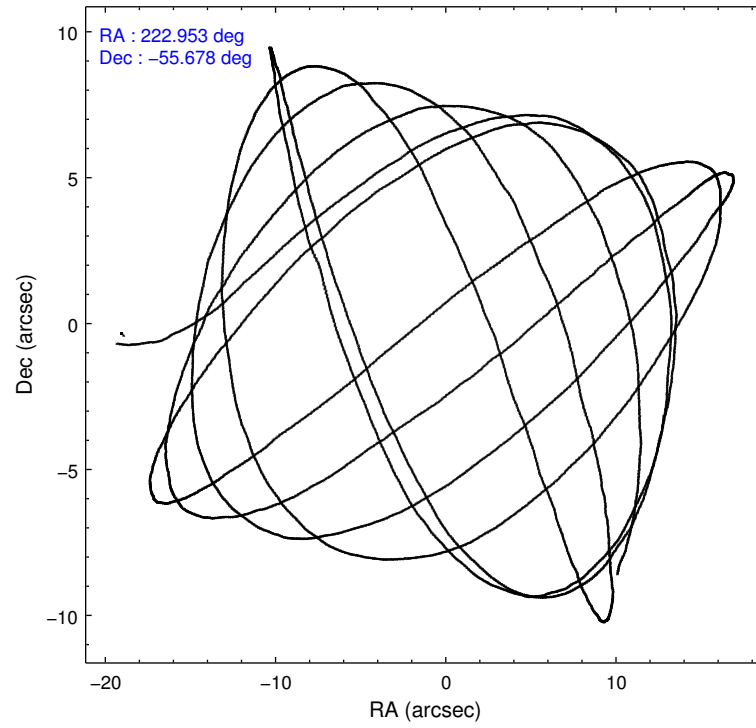
2.1.4 Events

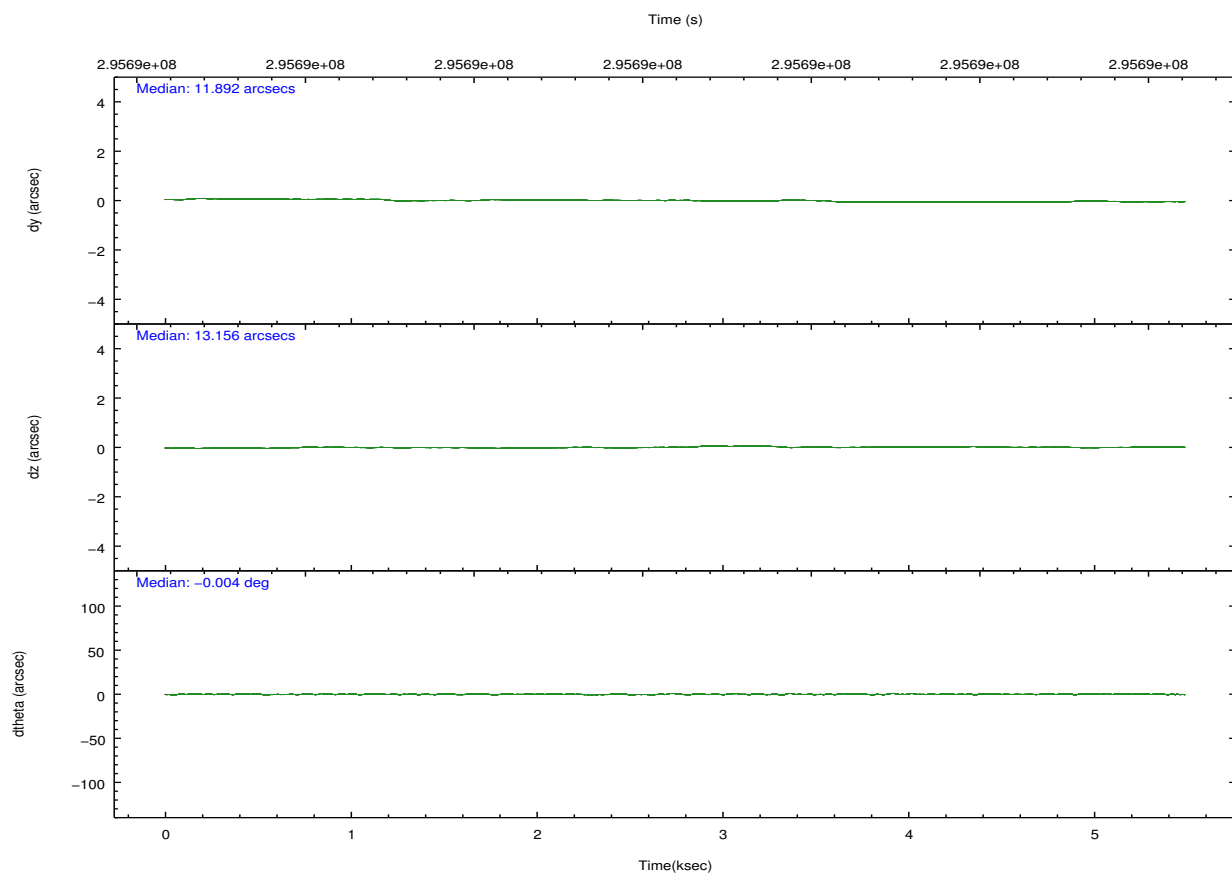
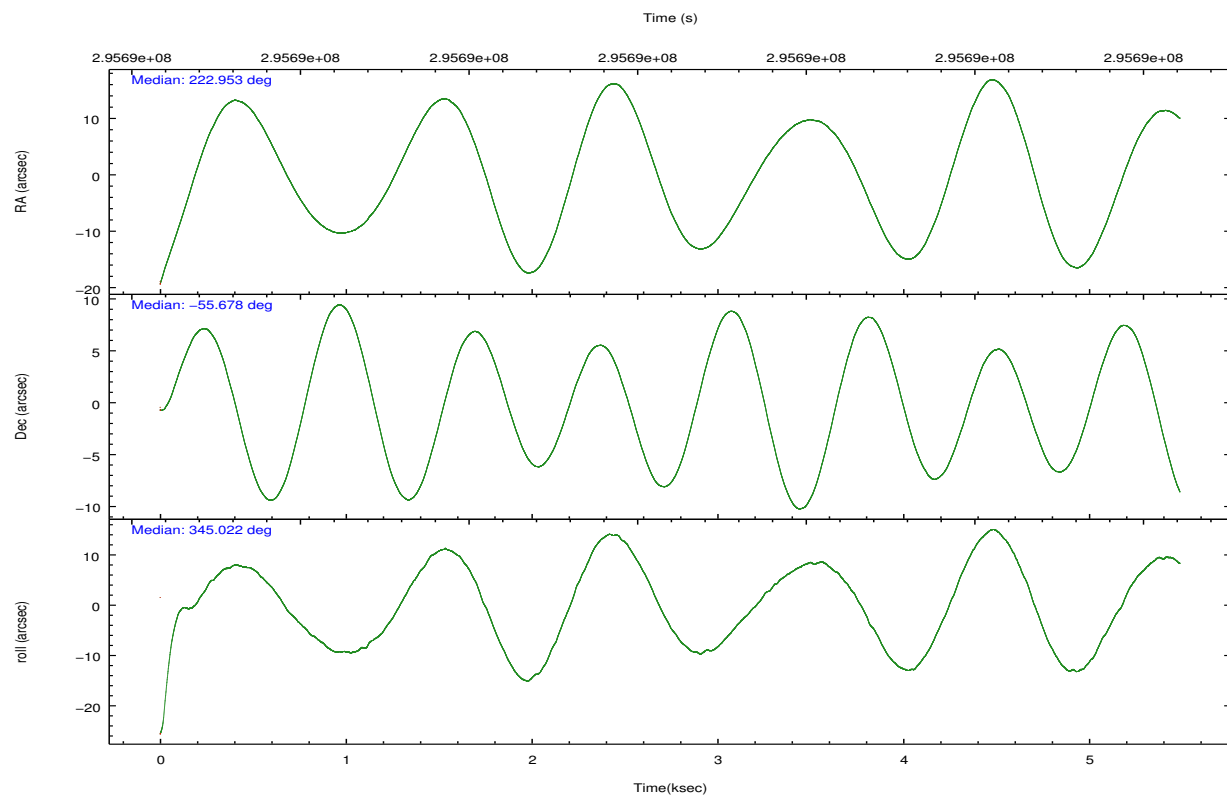
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	49800	46104	73160	50279	67960	60864	grade 0 events	2585	2483	2492	2677	2685	4502
rejected events	43988	40473	39878	43988	38749	47189		5%	5%	3%	5%	3%	7%
rejected %	88%	87%	54%	87%	57%	77%	grade 1 events	32	30	100	34	113	54
								0%	0%	0%	0%	0%	0%
							grade 2 events	1190	1076	10392	1345	5778	3113
								2%	2%	14%	2%	8%	5%
							grade 3 events	502	536	1188	516	2562	1494
								1%	1%	1%	1%	3%	2%
							grade 4 events	586	551	1125	554	2501	1316
								1%	1%	1%	1%	3%	2%
							grade 5 events	1990	2098	5182	2200	6305	2947
								3%	4%	7%	4%	9%	4%
							grade 6 events	956	998	18140	1203	15725	3270
								1%	2%	24%	2%	23%	5%
							grade 7 events	41959	38332	34541	41750	32291	44168
								84%	83%	47%	83%	47%	72%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	222.906423	222.9531680190564	CCD I2 on	O2	Y
[deg] Pointing Dec	-55.685610	-55.67807786952187	CCD I3 on	Y	Y
[deg] Pointing Roll	344.831489	345.0266898482121	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)	295687942.184000	295686832.18603	CCD S5 on	N	N
Observation start date	2007-05-16T07:31:17	2007-05-16T07:13:52	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	295692942.184000	295693655.09886	On-chip summing requested	N	N
Observation end date	2007-05-16T08:54:37	2007-05-16T09:07:35	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



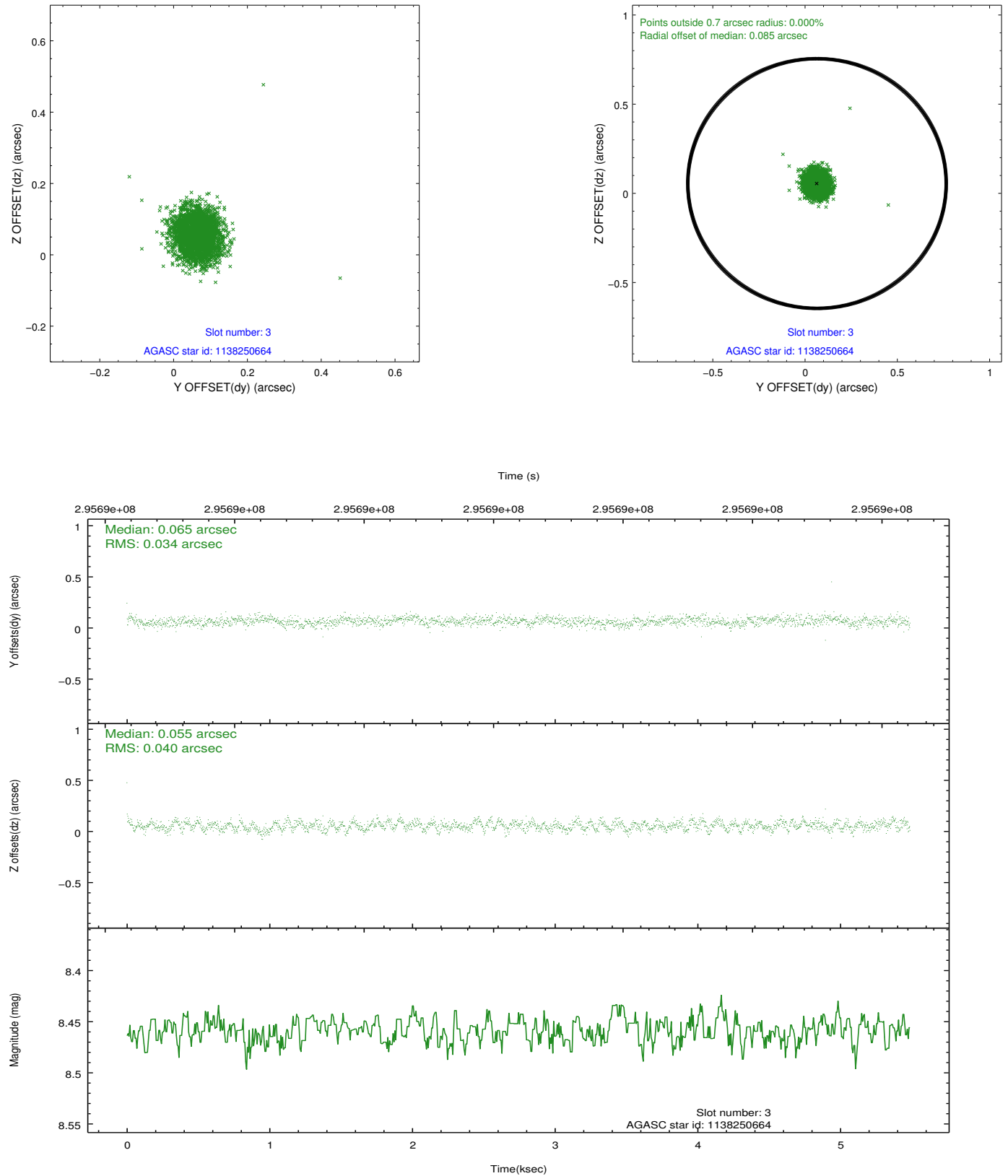


Slot Statistics

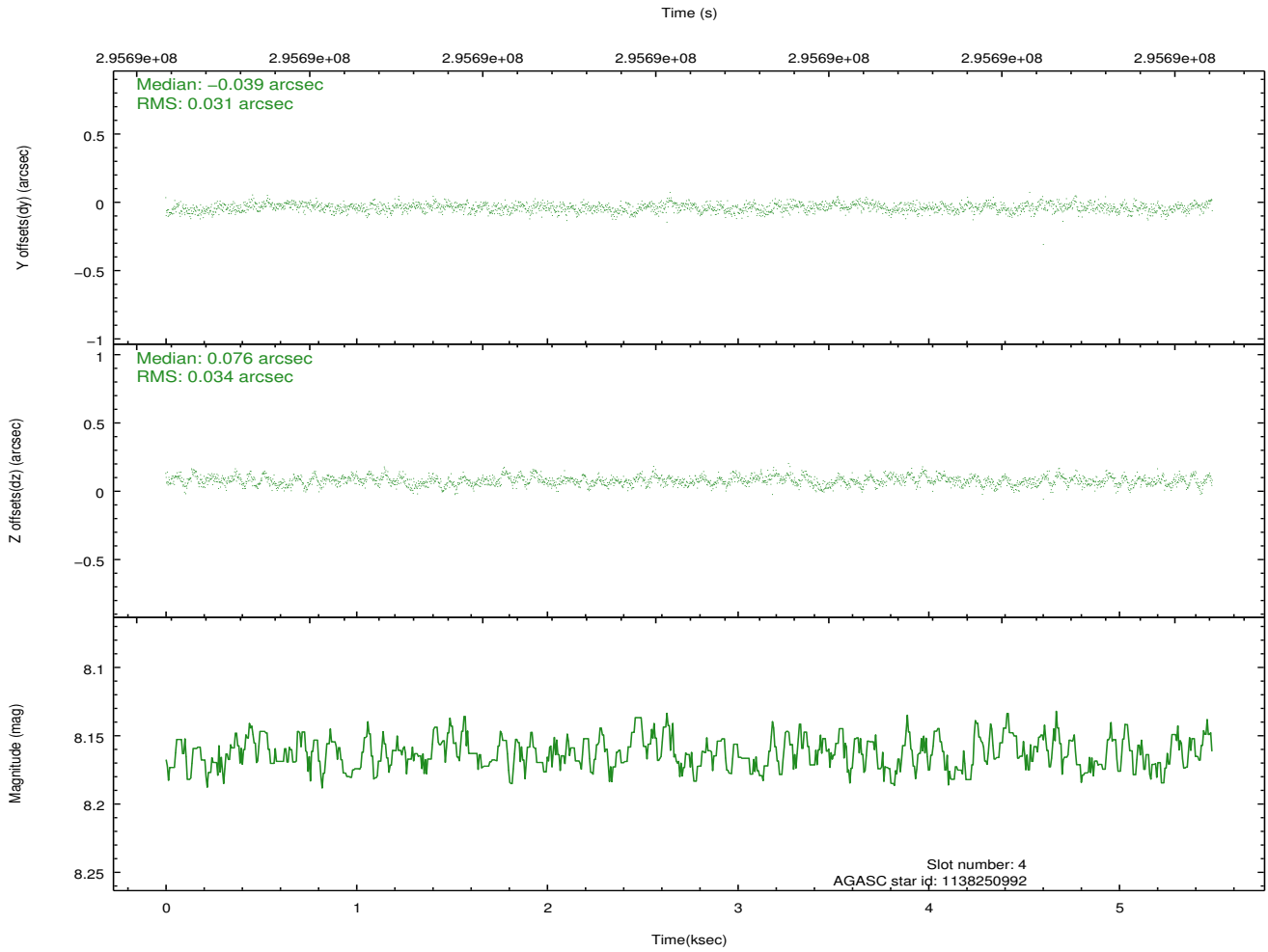
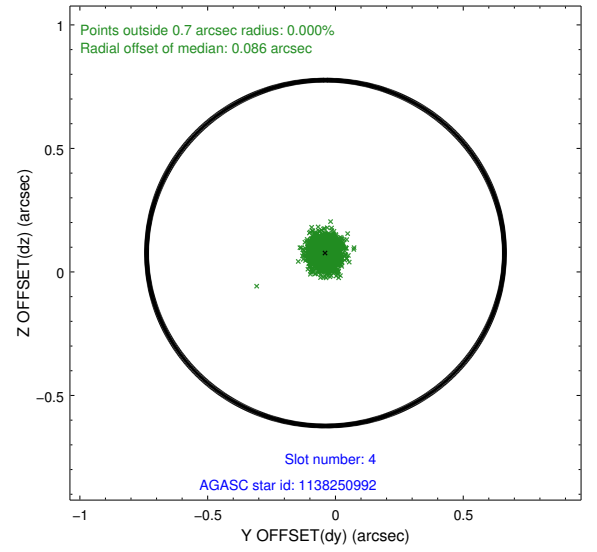
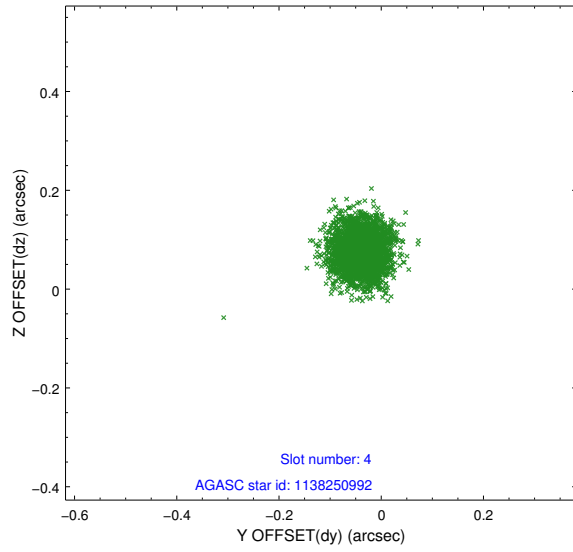
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.08	1339	-0.026	-0.056	0.007	0.011	0.000000	0.000000	-764.81	-1734.54
1	FID	ACIS-S-4	7.19	1339	0.135	0.028	0.005	0.009	0.000000	0.000000	2148.14	172.88
2	FID	ACIS-S-5	7.23	1339	-0.140	0.037	0.006	0.011	0.000000	0.000000	-1816.35	167.82
3	GUIDE	1138250664	8.46	2678	0.065	0.055	0.055	0.087	223.284895	-55.915820	954.77	-602.28
4	GUIDE	1138250992	8.16	2676	-0.039	0.076	0.048	0.078	222.205448	-55.598110	-1455.84	-76.38
5	GUIDE	1138381976	8.96	2674	-0.154	0.003	0.085	0.134	223.415914	-56.200722	1471.03	-1526.34
6	GUIDE	1138763784	9.01	2675	0.052	-0.053	0.105	0.165	223.269396	-56.299137	1279.46	-1944.52
7	GUIDE	1138251640	8.29	2675	0.076	-0.076	0.060	0.099	222.053129	-56.008736	-1349.37	-1583.53

2.4 Star Slots

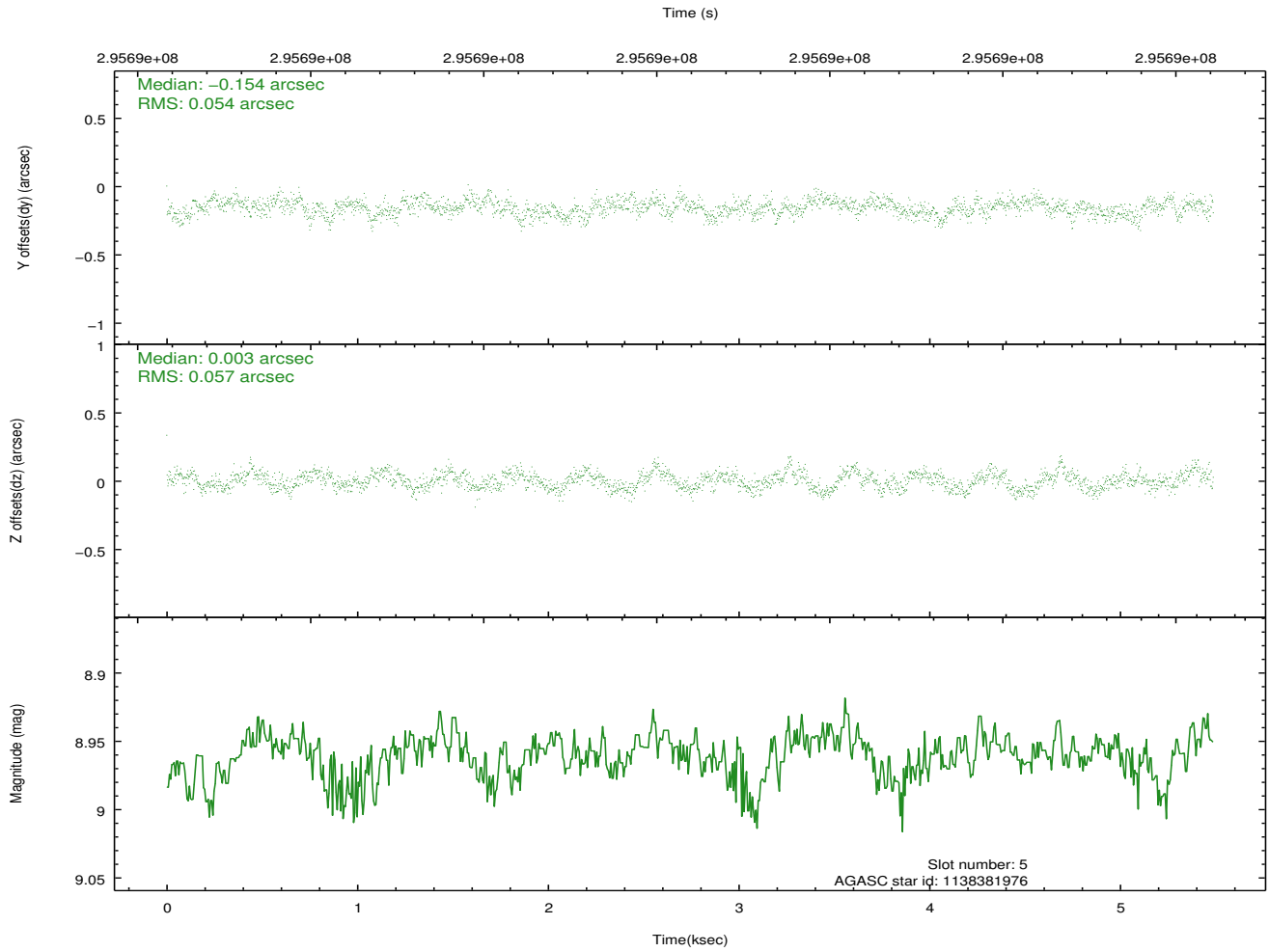
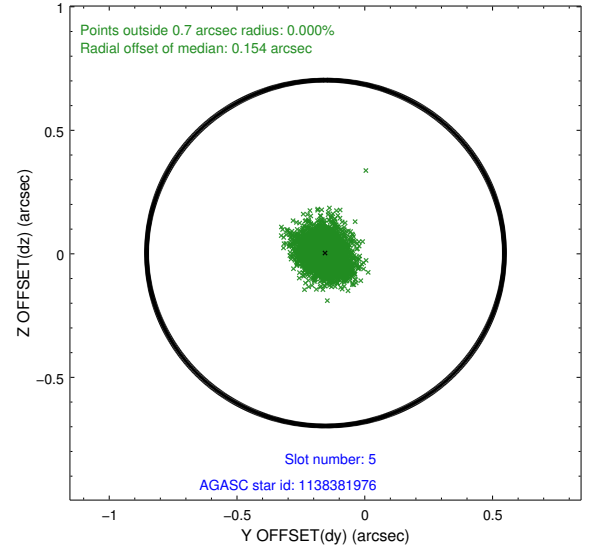
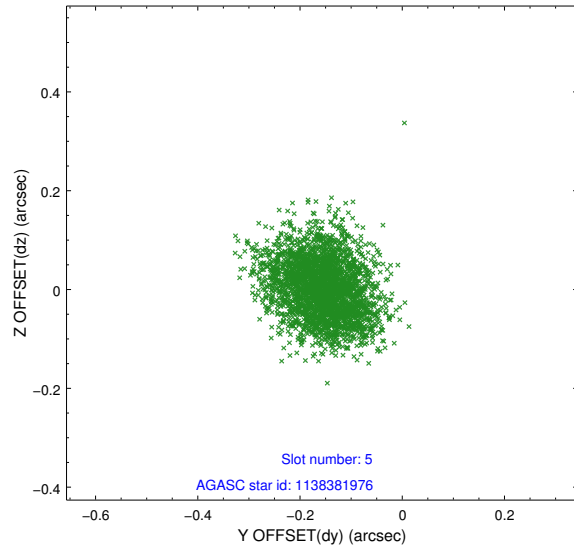
2.4.1 Slot 3



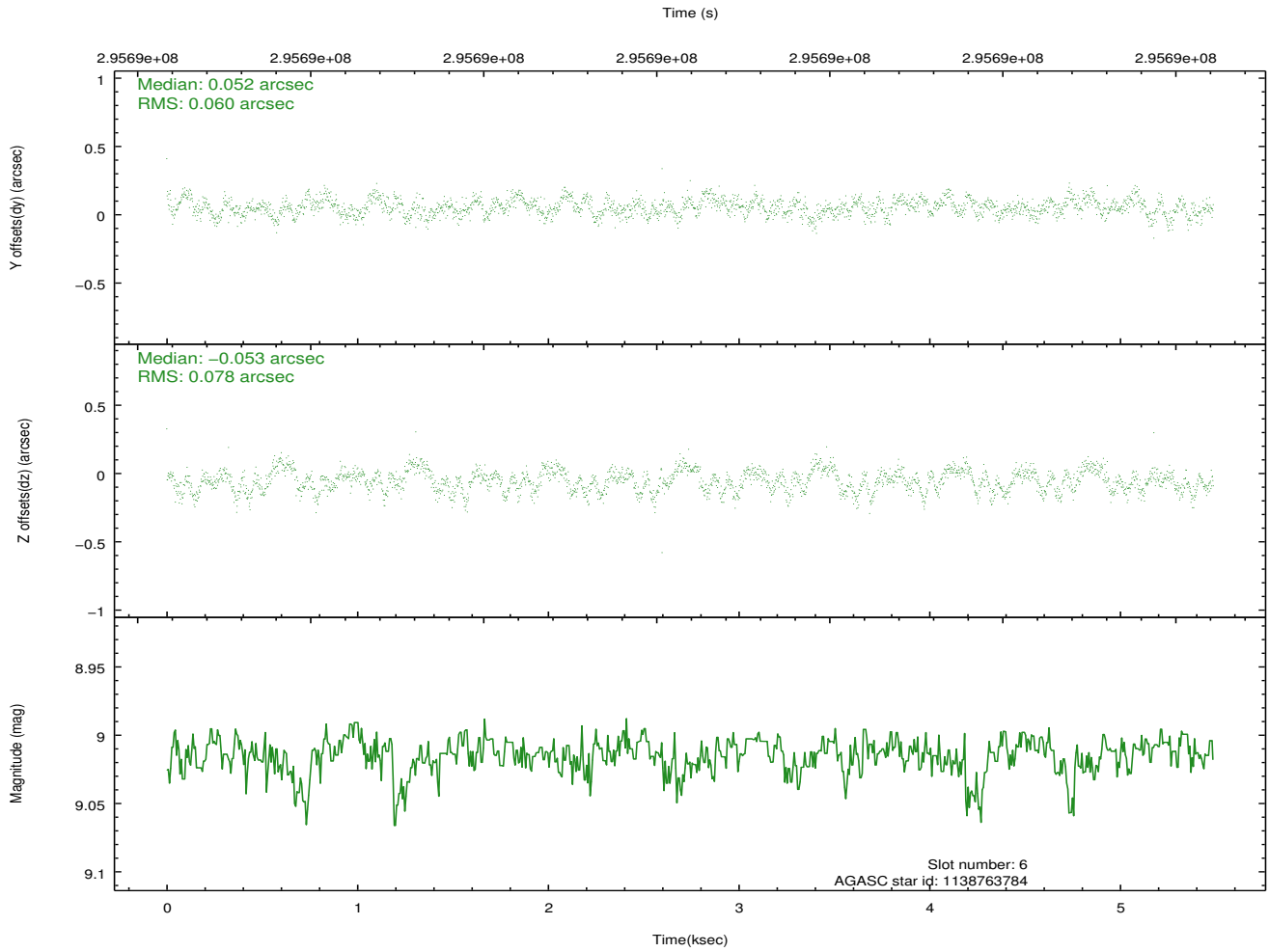
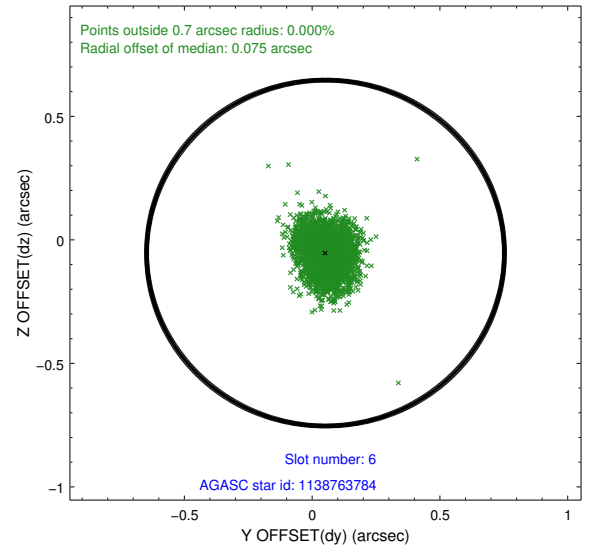
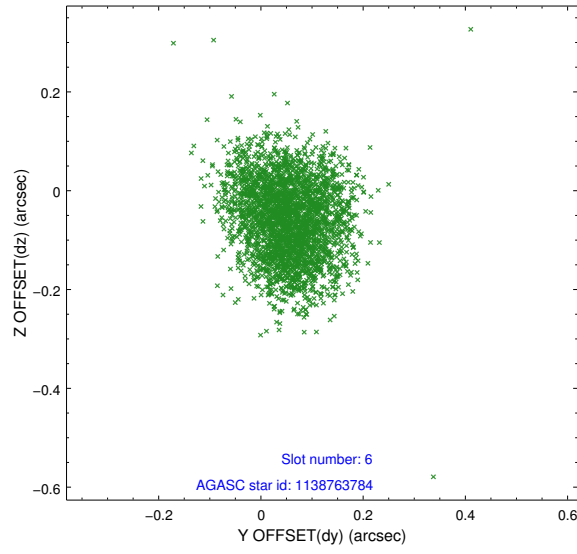
2.4.2 Slot 4



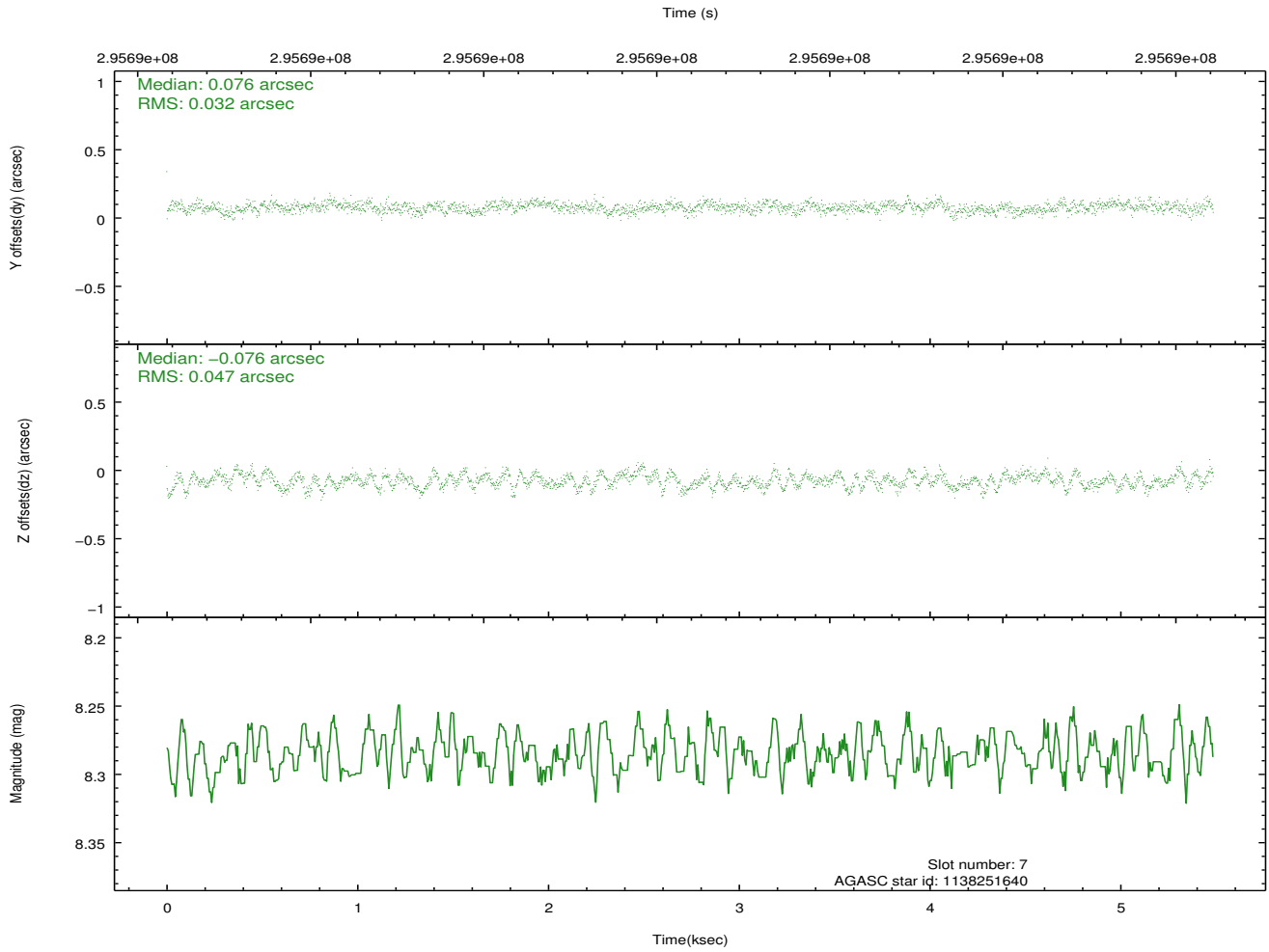
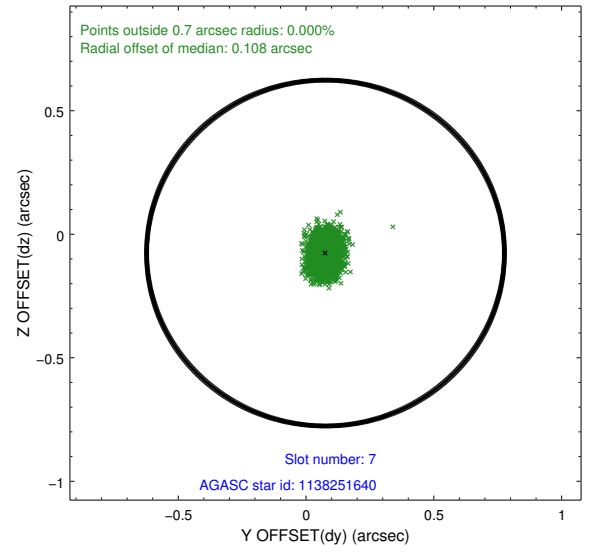
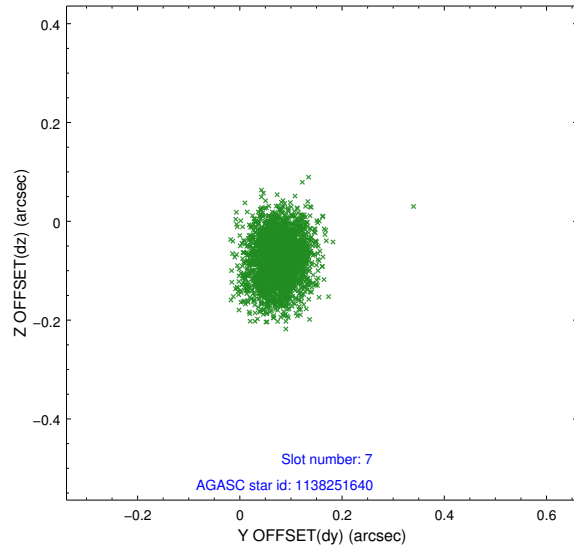
2.4.3 Slot 5



2.4.4 Slot 6

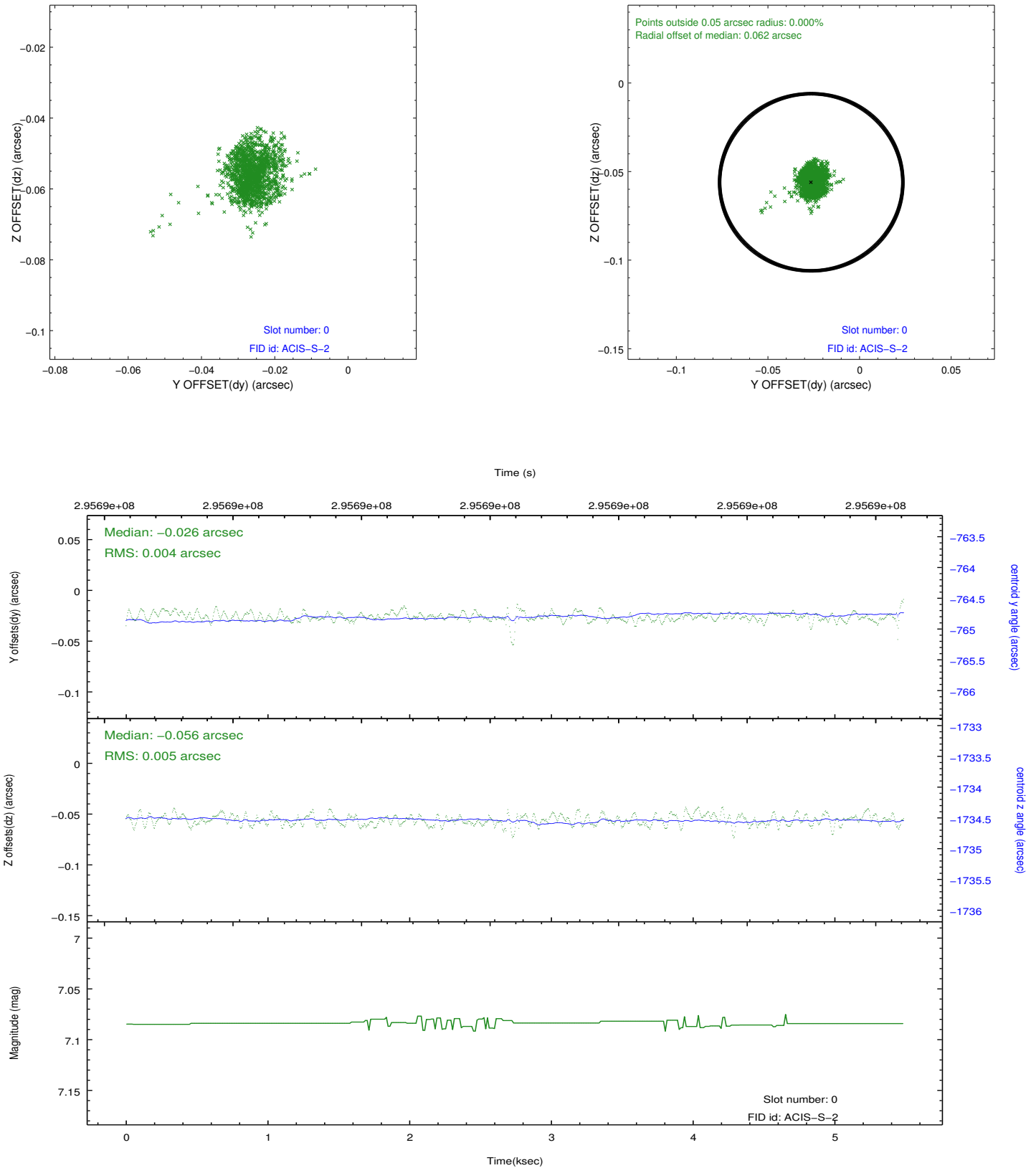


2.4.5 Slot 7

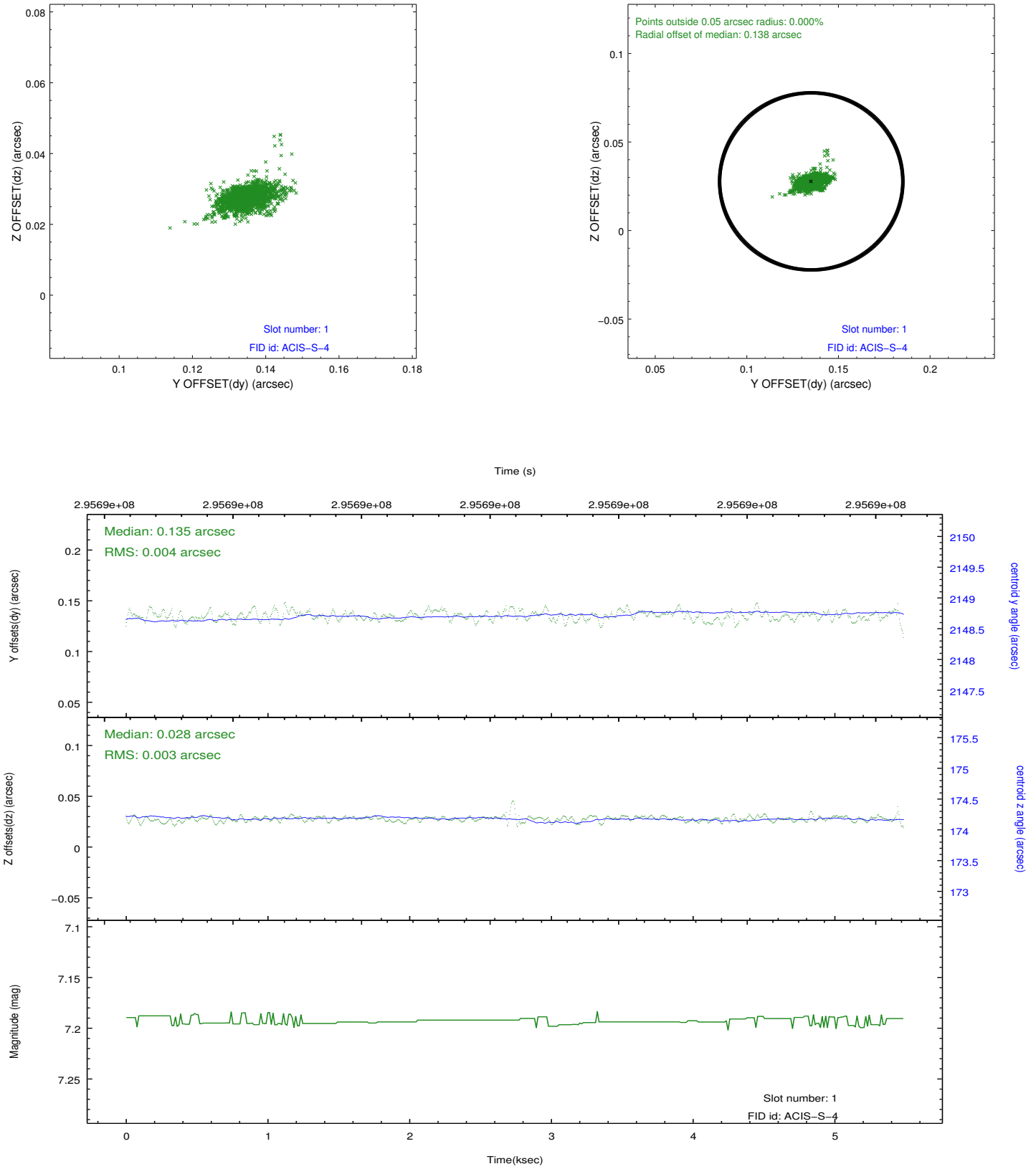


2.5 FID Slots

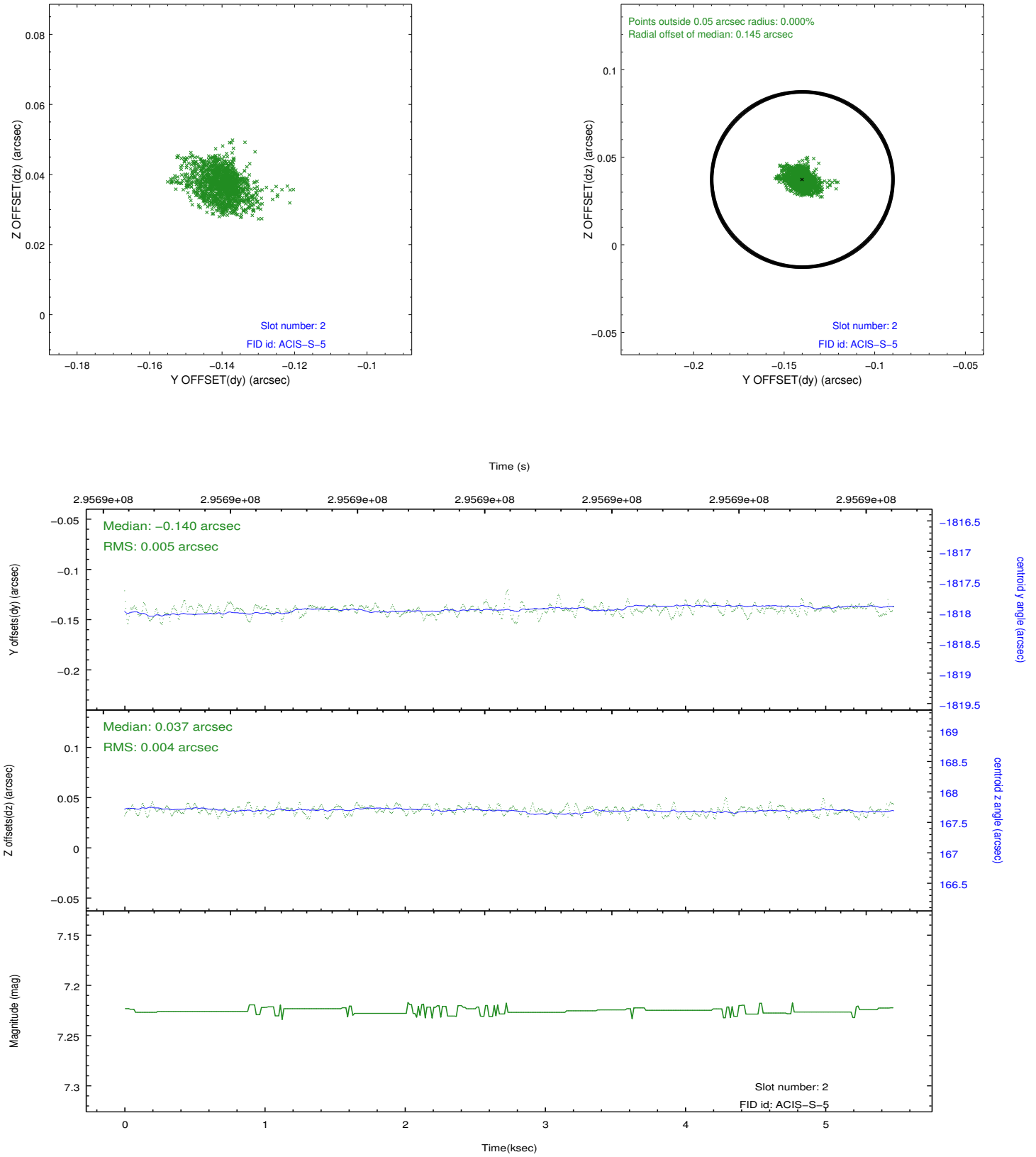
2.5.1 Slot 0



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)	2012.04.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.95039998

A.2 Comments