

V&V Reference Report

L2 ASCDS Version : 10.4.2.1

Observation 18669 - L2 Version 1
Chandra X-Ray Center

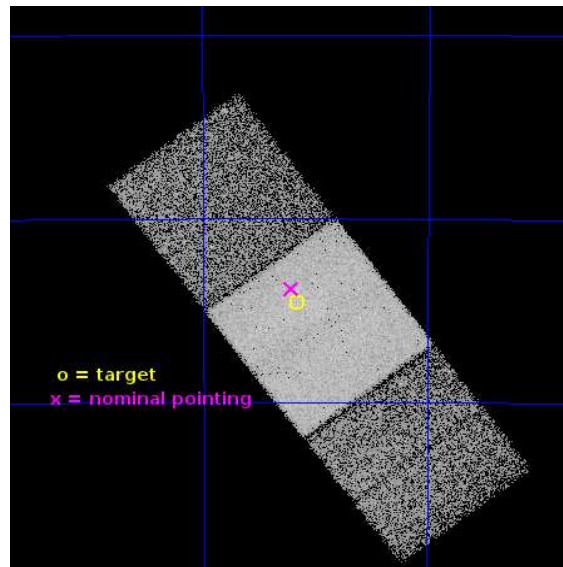
L2 Processing Date : Oct 13 2015

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1 Front

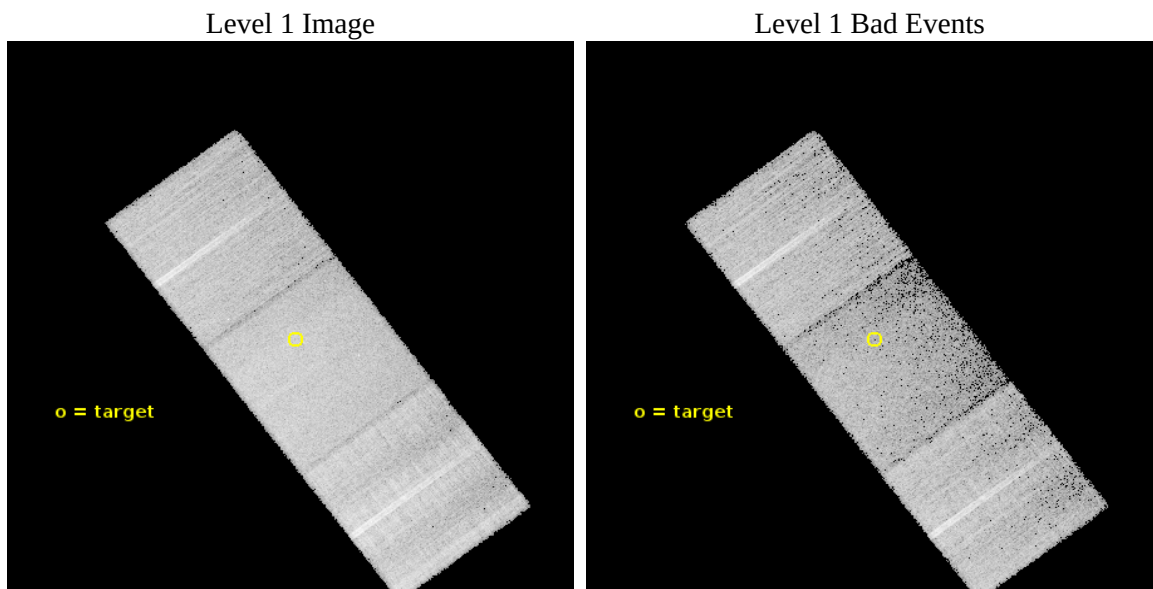
seq_num	502481	Sequence number
obs_id	18669	Observation id
title	A High Resolution Study of SNR 0453-669	Proposal title
observer	Dr. Stephen Murray	Principal investigator
object	SNR 0453-669	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	73.291667	Observer's specified target RA [deg]
dec_targ	-66.908889	Observer's specified target Dec [deg]
ra_nom	73.303902819231	Nominal RA [deg]
dec_nom	-66.89680716733	Nominal Dec [deg]
roll_nom	53.16786929597	Nominal Roll [deg]
revision	1	Processing version of data
ontime	35075.454183221	Sum of GTIs [s]
livetime	34617.167552143	Livetime [s]
ontime6	35075.413143277	Sum of GTIs [s]
ontime7	35075.454183221	Sum of GTIs [s]
ontime8	35075.372103214	Sum of GTIs [s]
l2events	128959	Number of level 2 events



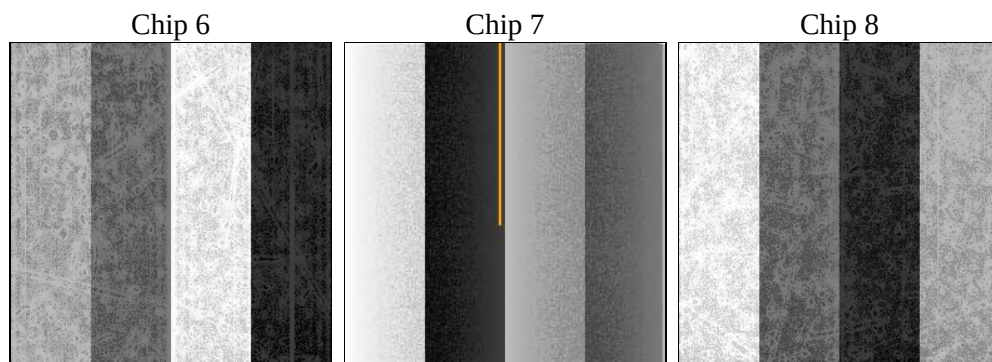
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	35000.000000	[s] Scheduled observation exposure time
ascdsver	10.4.2.1	Processing system revision	ontime	35075.454183221	Sum of GTIs [s]
caldsver	4.6.10a	 	ontime6	35075.413143277	Sum of GTIs [s]
date	2015-10-13T17:15:52	Date and time of file creation	ontime7	35075.454183221	Sum of GTIs [s]
revision	1	Processing version of data	ontime8	35075.372103214	Sum of GTIs [s]
			l1events	593078	Number of level 1 events

2.1.4 Events

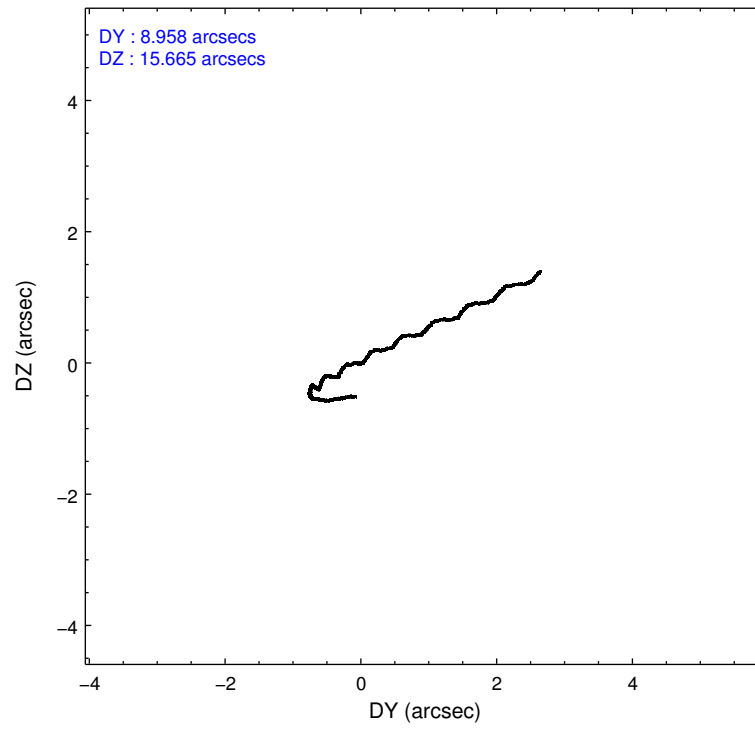
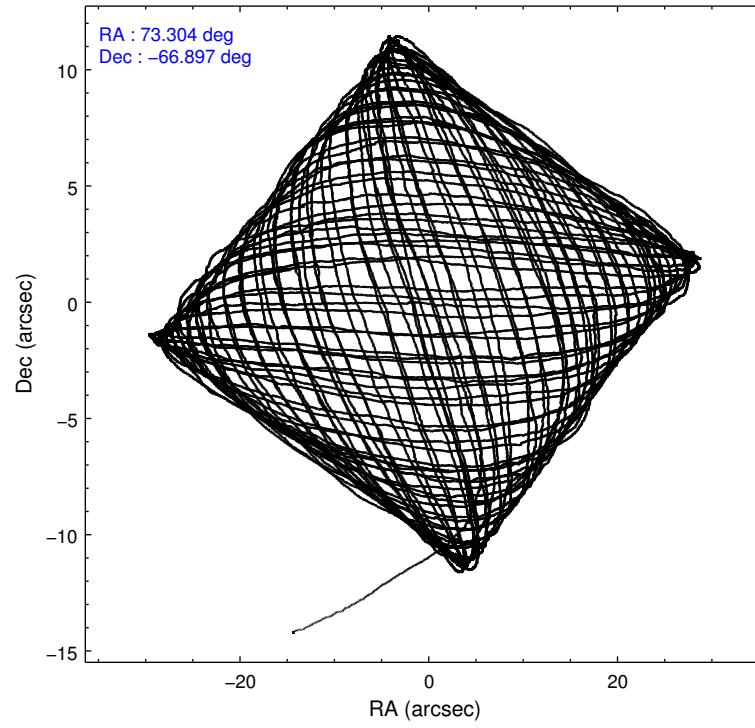
	ccd 6	ccd 7	ccd 8
level 1 events	173379	198011	221688
rejected events	152786	104167	160212
rejected %	88%	52%	72%

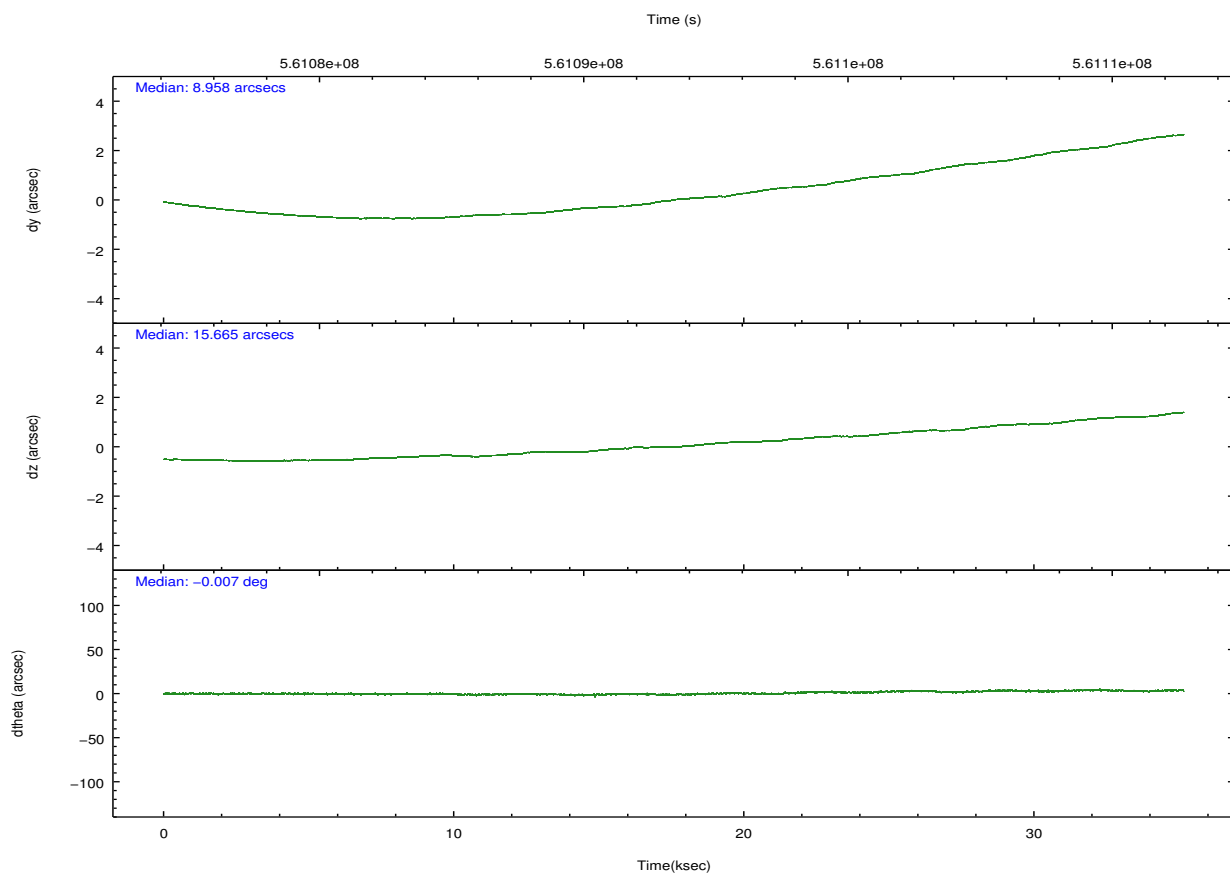
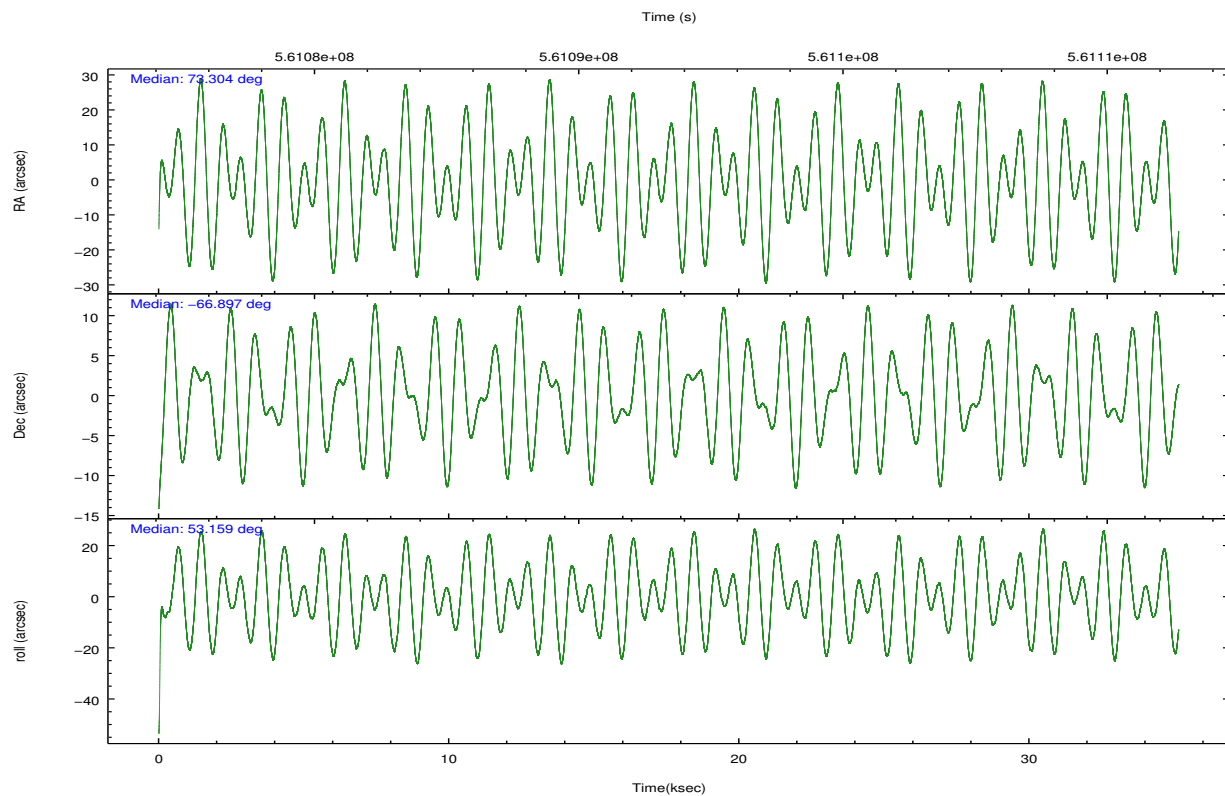
	ccd 6	ccd 7	ccd 8
grade 0 events	7352	9499	16472
	4%	4%	7%
grade 1 events	90	268	168
	0%	0%	0%
grade 2 events	4784	20641	15239
	2%	10%	6%
grade 3 events	2009	7788	6478
	1%	3%	2%
grade 4 events	1903	7782	6105
	1%	3%	2%
grade 5 events	7385	20335	11718
	4%	10%	5%
grade 6 events	4547	48139	17185
	2%	24%	7%
grade 7 events	145309	83559	148323
	83%	42%	66%

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	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	73.296520	73.30390281923059	CCD I2 on	N	N
[deg] Pointing Dec	-66.924103	-66.89680716732968	CCD I3 on	N	N
[deg] Pointing Roll	53.004466	53.16786929596961	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	N	N
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	O2	Y
[mm] SIM translation stage pos	-190.132523	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	O1	Y
[s] Observation start time (MET)	561076003.184000	561074984.44797	CCD S5 on	N	N
Observation start date	2015-10-12T22:25:35	2015-10-12T22:09:44	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	561111003.184000	561111858.31257	On-chip summing requested	N	N
Observation end date	2015-10-13T08:08:55	2015-10-13T08:24:18	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



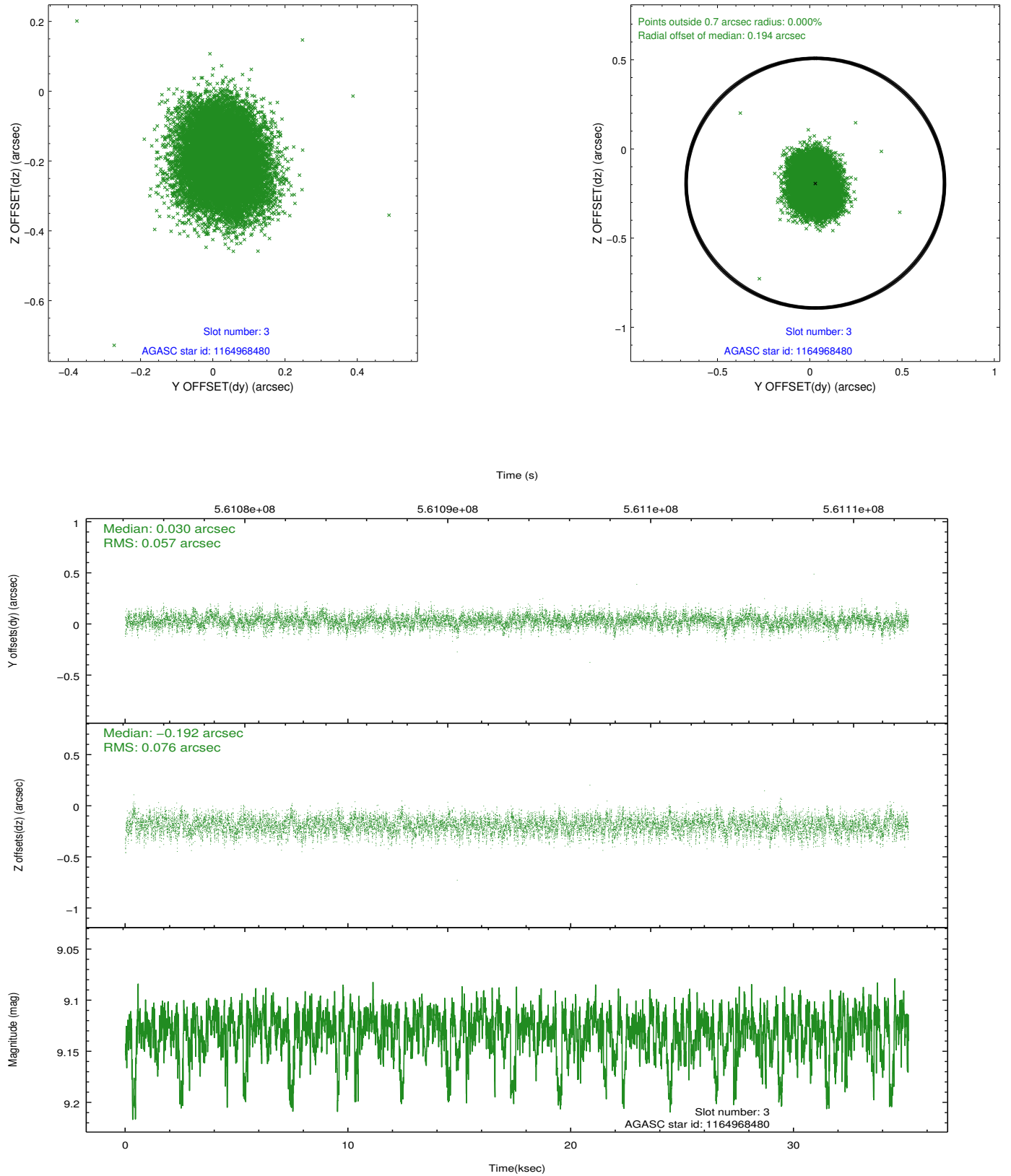


Slot Statistics

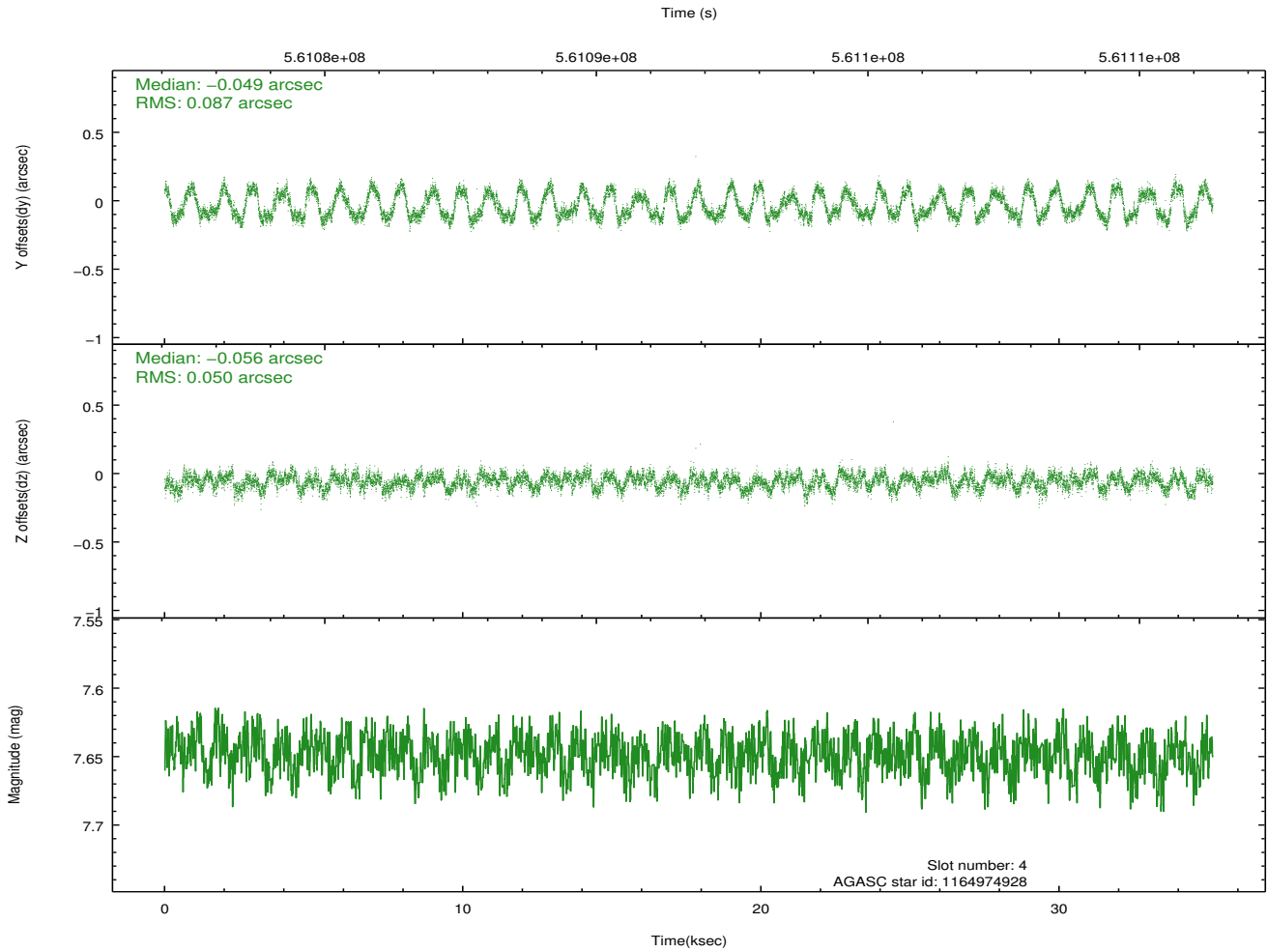
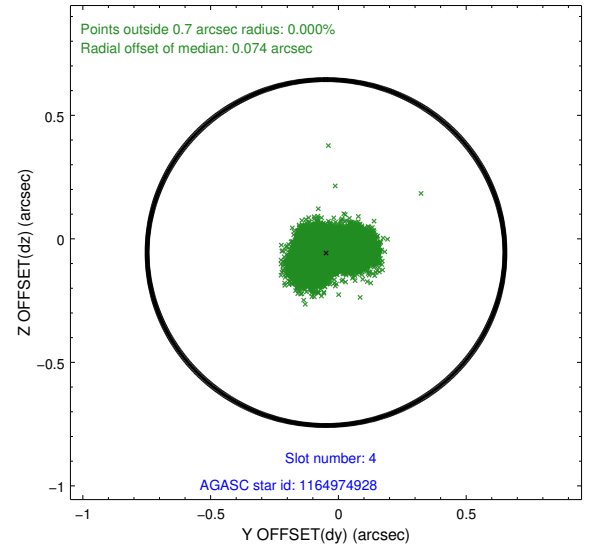
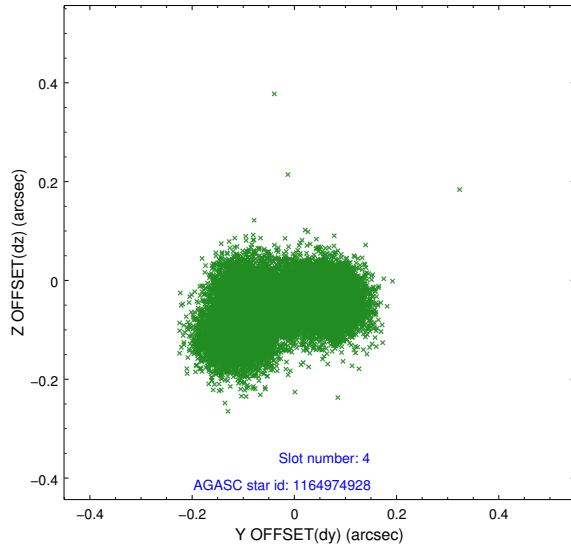
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-1	7.20	8573	0.043	-0.085	0.014	0.022	0.000000	0.000000	933.97	-1732.86
1	FID		ACIS-S-4	7.22	8574	0.280	0.042	0.014	0.022	0.000000	0.000000	2151.59	171.41
2	FID		ACIS-S-5	7.24	8574	-0.352	0.054	0.015	0.024	0.000000	0.000000	-1815.29	164.98
3	GUIDE	used	1164968480	9.13	17139	0.030	-0.192	0.101	0.165	72.282043	-66.561249	159.87	1938.91
4	GUIDE	used	1164974928	7.65	17147	-0.049	-0.056	0.111	0.162	72.355624	-66.830232	-539.64	1261.65
5	GUIDE	used	1165103000	9.63	17128	0.388	0.098	0.176	0.267	74.083726	-66.640675	1486.19	-287.37
6	GUIDE	used	1165103432	7.77	17146	-0.216	0.391	0.090	0.144	73.586938	-67.285414	-795.83	-1105.54
7	GUIDE	used	1164970064	9.52	17135	-0.157	-0.242	0.154	0.248	72.080416	-66.480750	207.09	2344.95

2.4 Star Slots

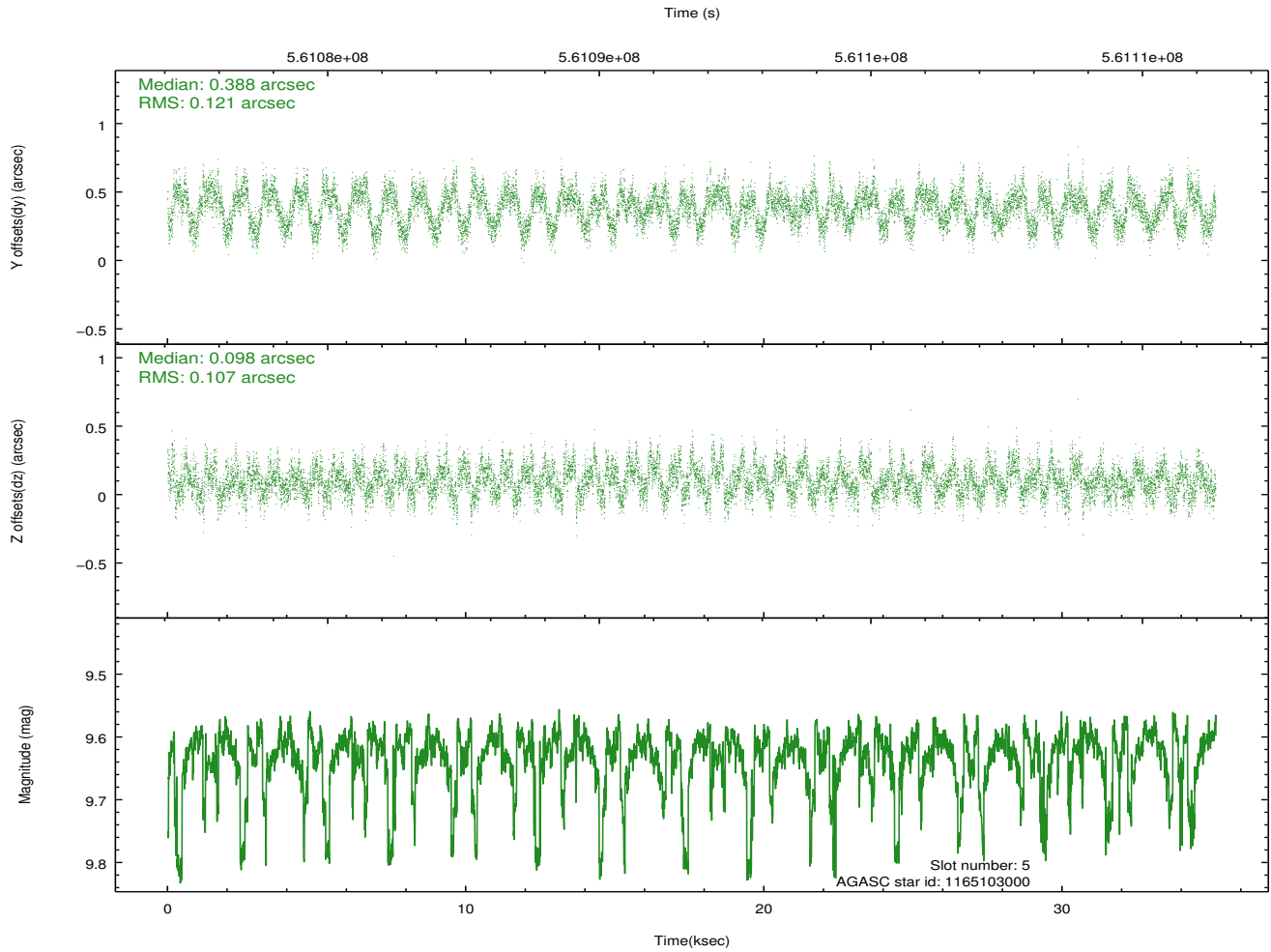
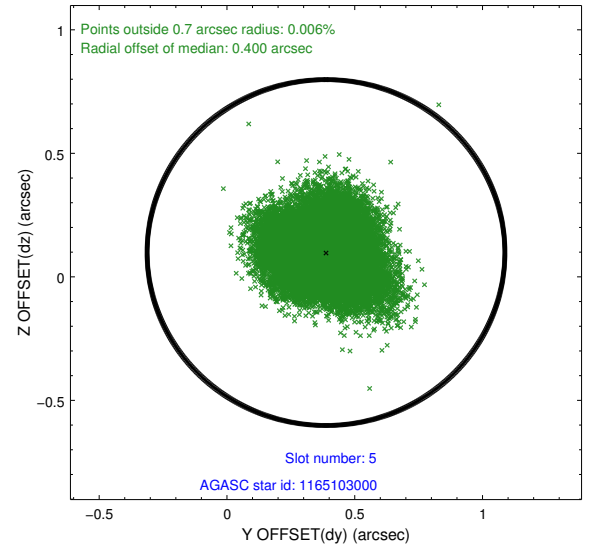
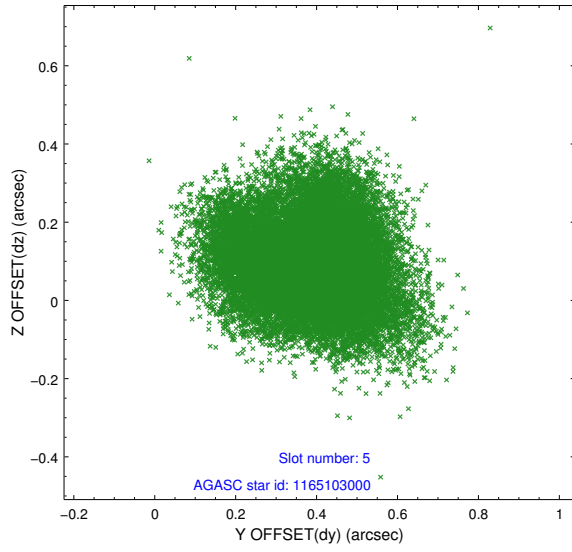
2.4.1 Slot 3



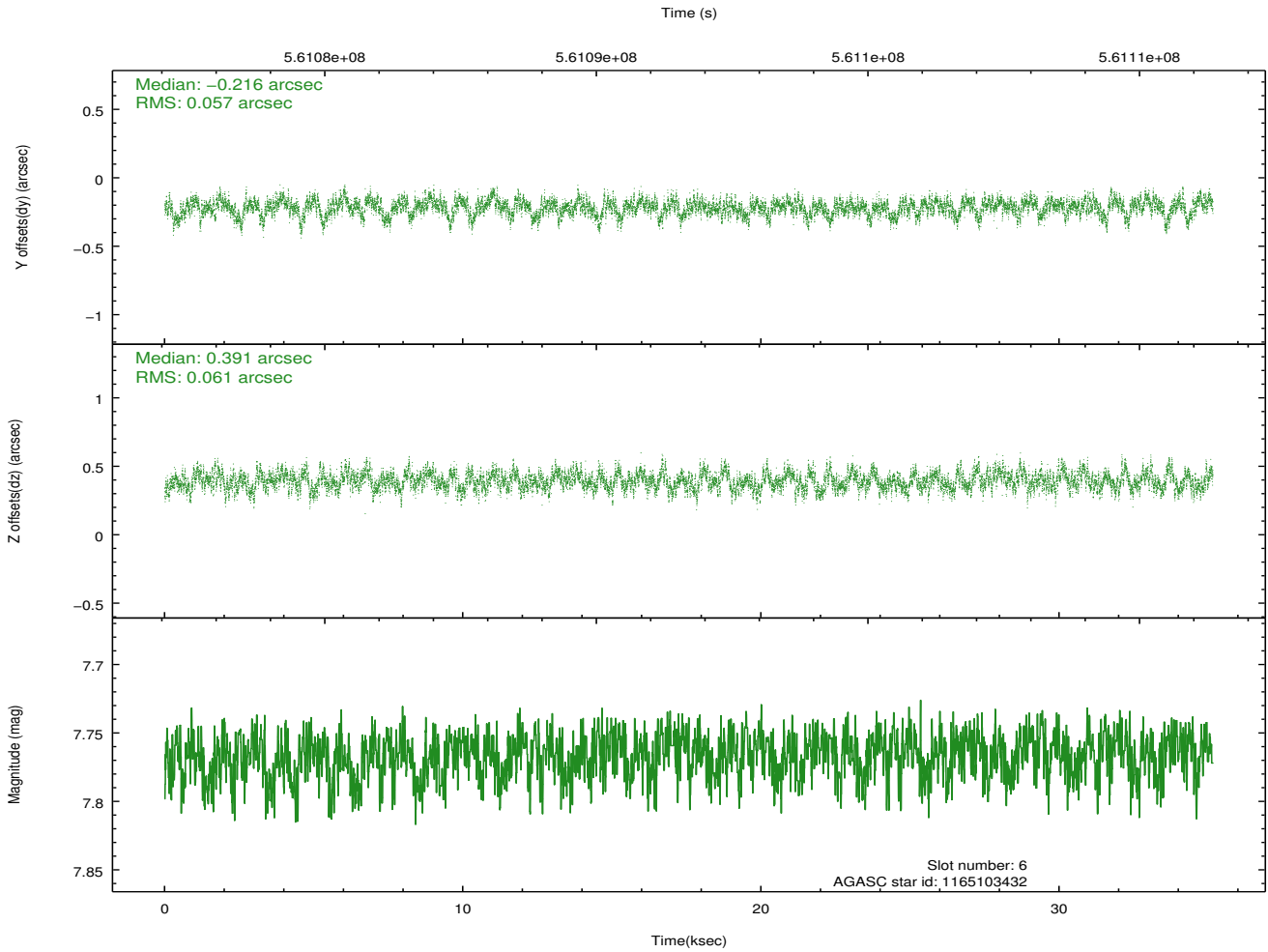
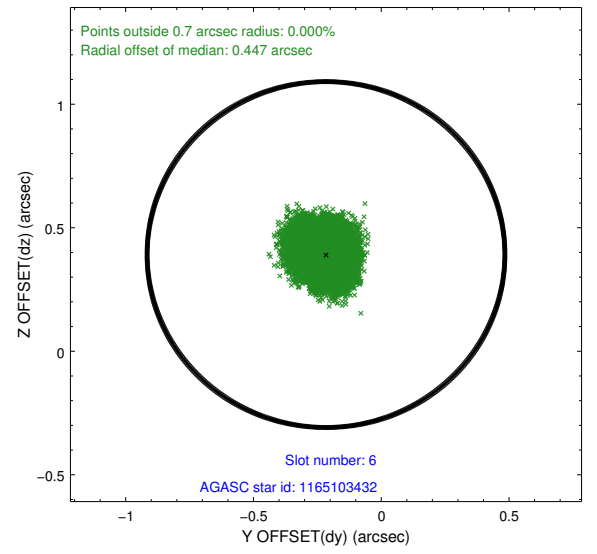
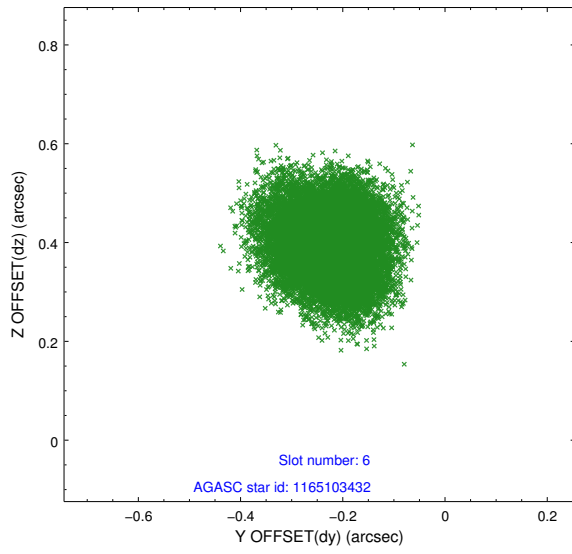
2.4.2 Slot 4



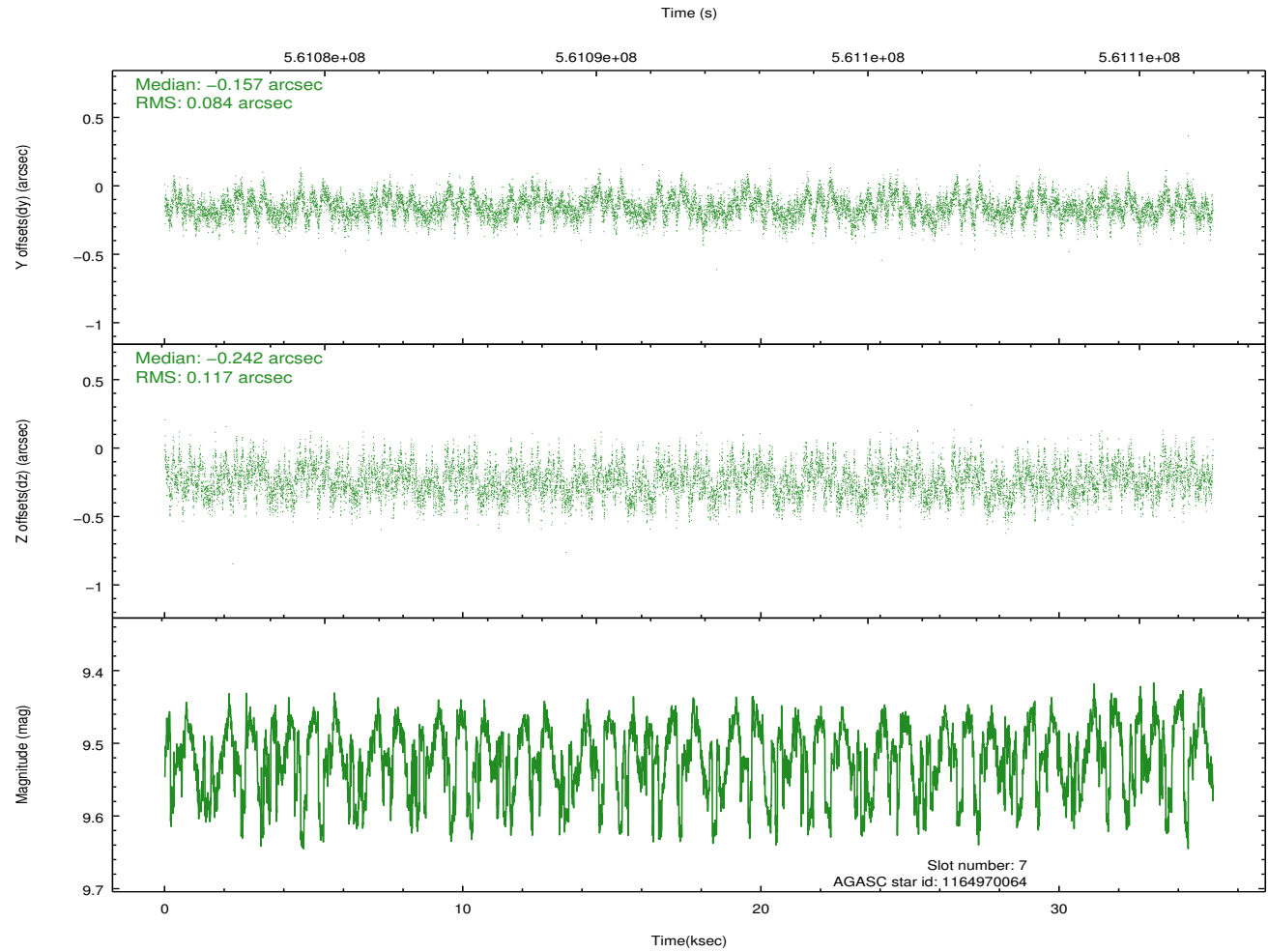
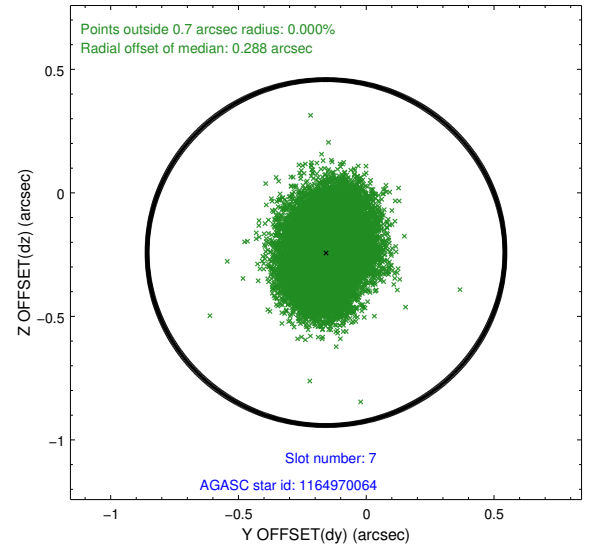
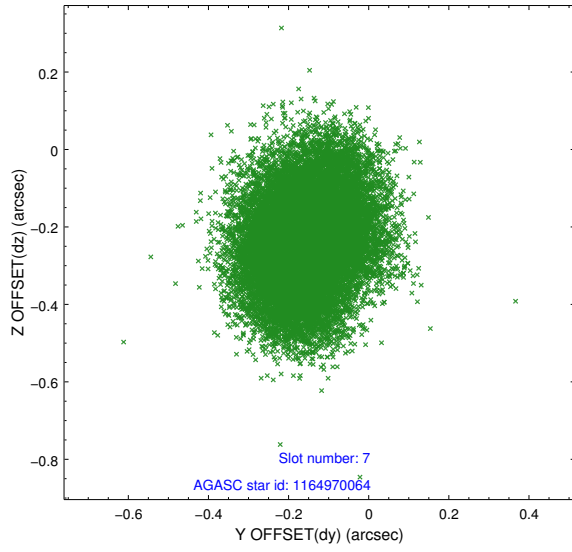
2.4.3 Slot 5



2.4.4 Slot 6

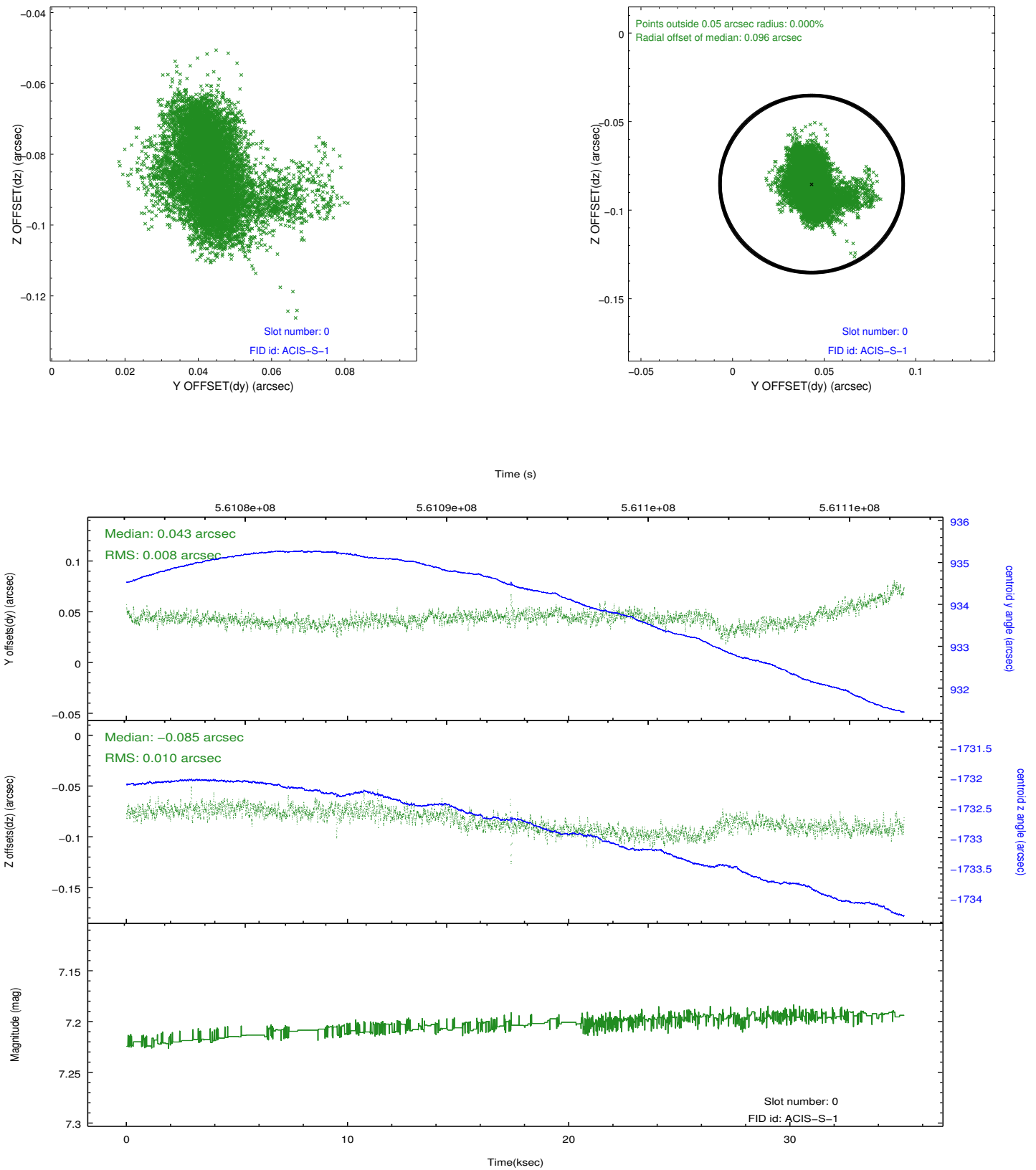


2.4.5 Slot 7

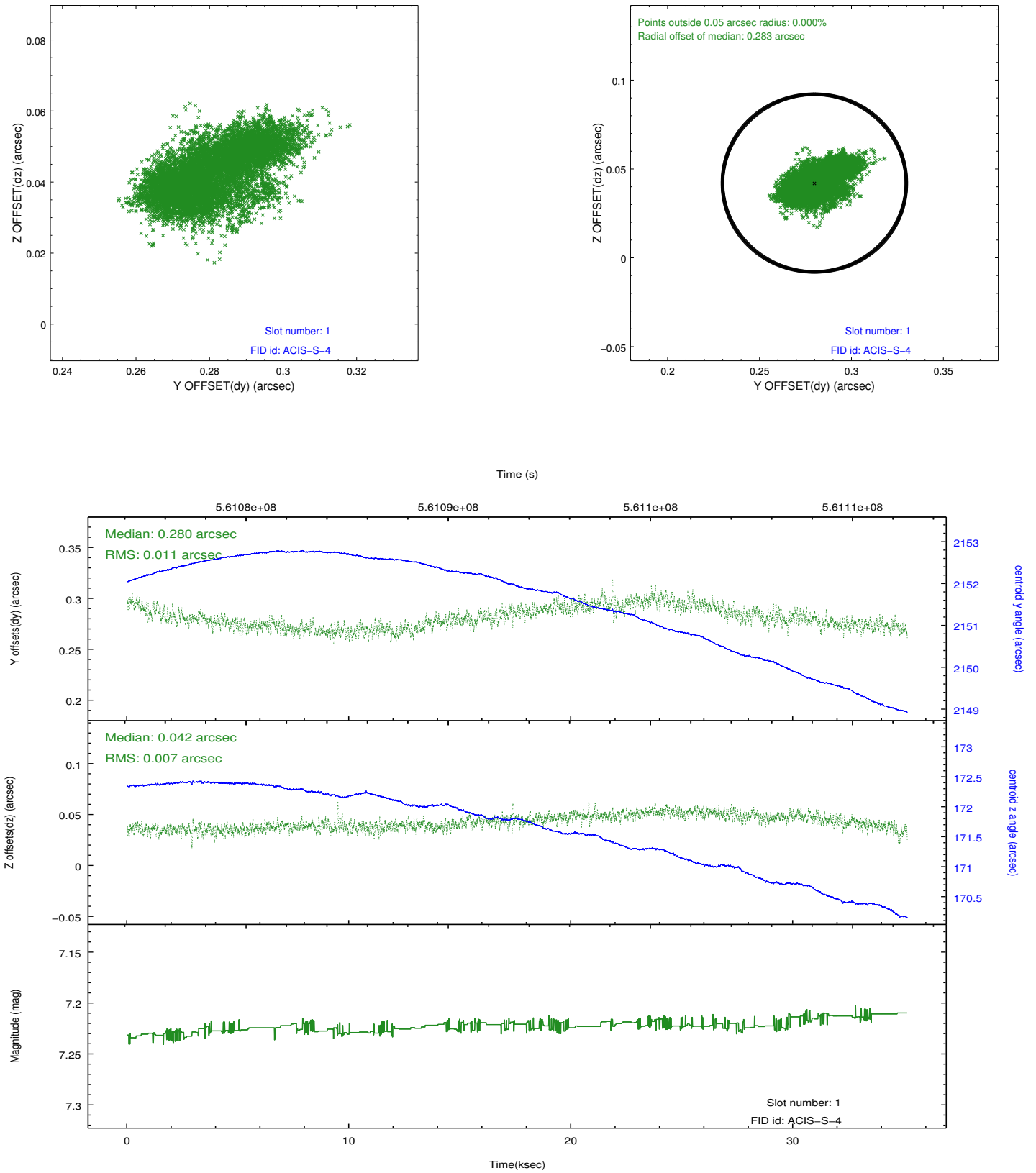


2.5 FID Slots

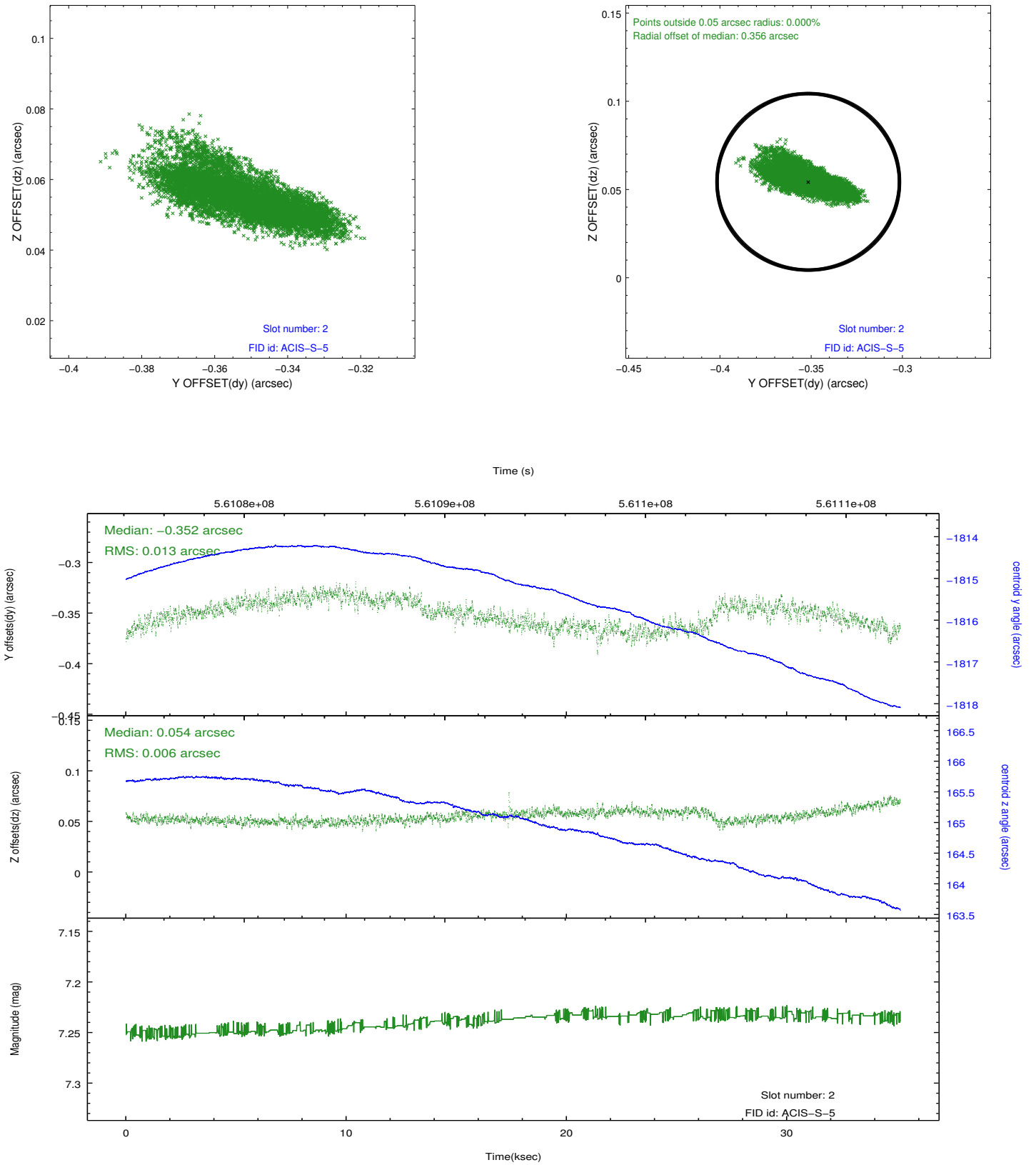
2.5.1 Slot 0



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)	2015.10.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	35.075454183221

A.2 Comments