

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 7723 - L2 Version 3
Chandra X-Ray Center

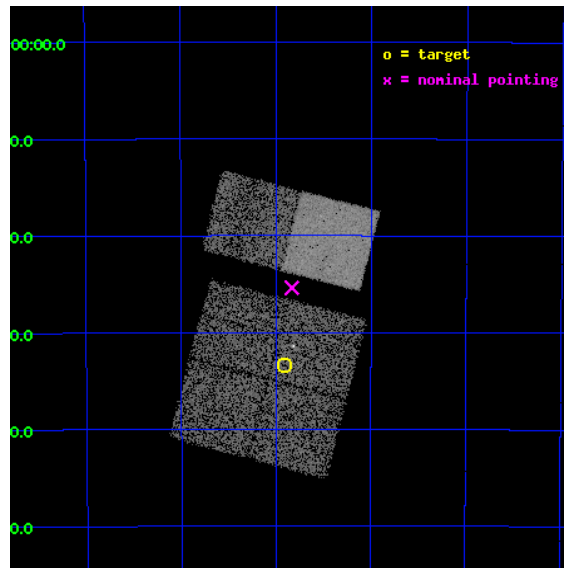
L2 Processing Date : Apr 18 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

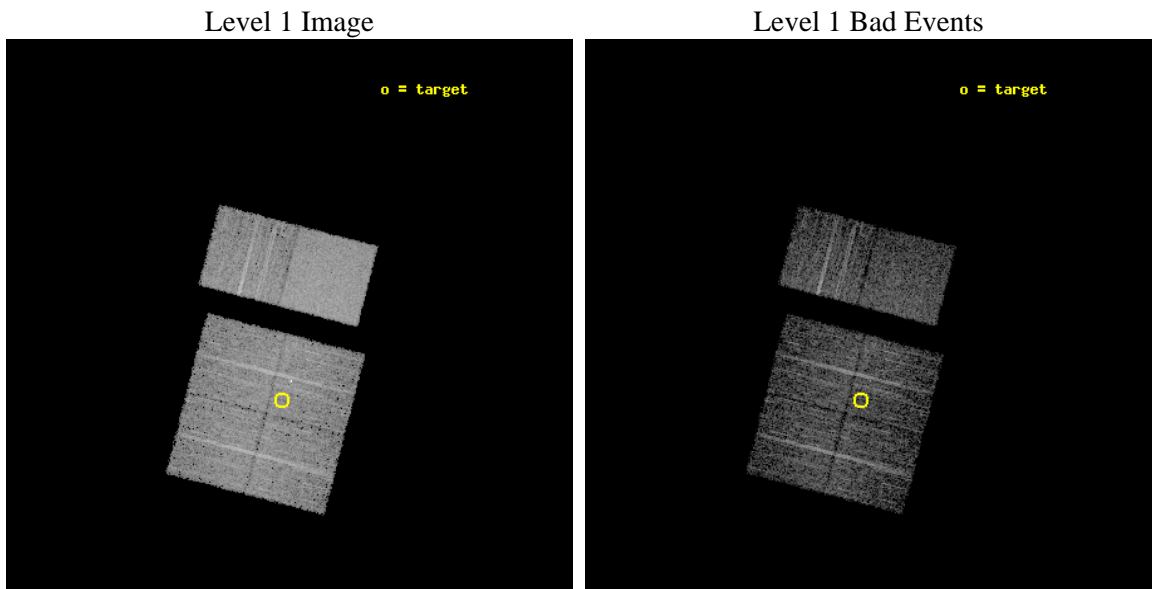
seq_num	701391	Sequence number
obs_id	7723	Observation id
title	Search for strongly obscured AGN: support for INTEGRAL all-sky hard X-ray survey	Proposal title
observer	Dr. Stephen Murray	Principal investigator
object	IGR J08390-4833	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	129.727917	Observer's specified target RA [deg]
dec_targ	-48.556	Observer's specified target Dec [deg]
ra_nom	129.70840693009	Nominal RA [deg]
dec_nom	-48.423333085899	Nominal Dec [deg]
roll_nom	14.603927560301	Nominal Roll [deg]
revision	3	Processing version of data
ontime	3541.7095974684	Sum of GTIs [s]
livetime	3496.8623379837	Livetime [s]
ontime0	3541.8327174783	Sum of GTIs [s]
ontime1	3541.6275174618	Sum of GTIs [s]
ontime2	3541.6685574651	Sum of GTIs [s]
ontime3	3541.7095974684	Sum of GTIs [s]
ontime6	3541.7506374717	Sum of GTIs [s]
ontime7	3541.791677475	Sum of GTIs [s]
l2events	47495	Number of level 2 events



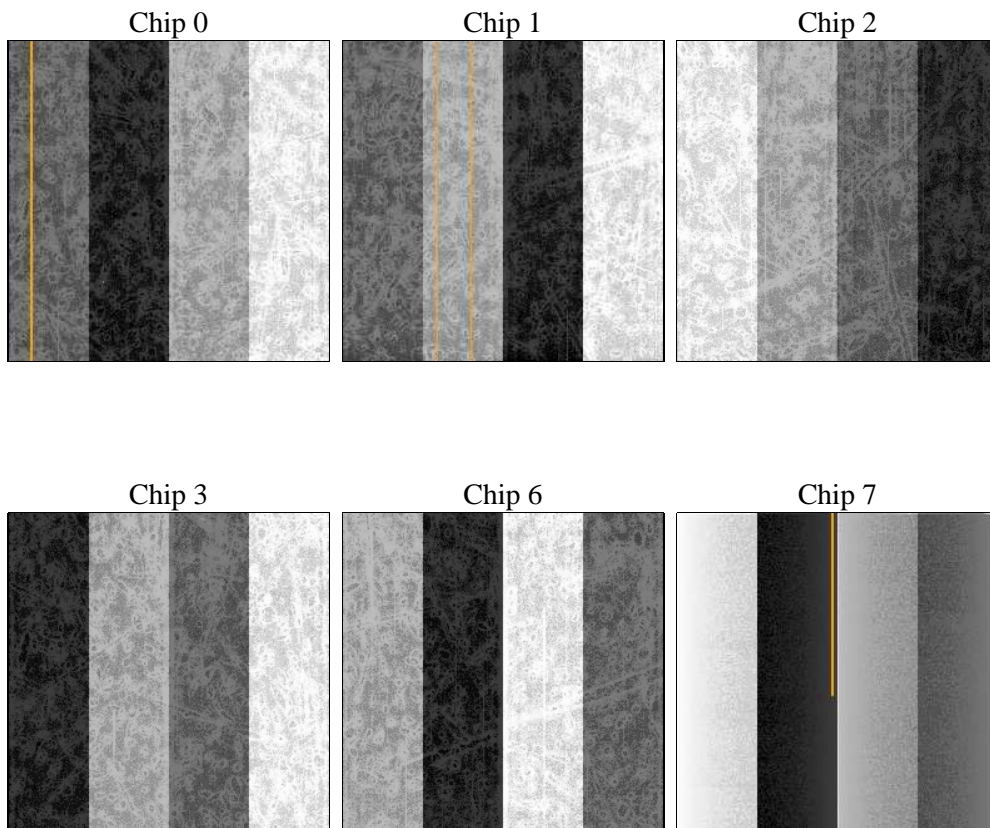
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	3541.7095974684	Sum of GTIs [s]
caldbver	4.4.9	 	ontime0	3541.8327174783	Sum of GTIs [s]
date	2012-04-18T12:04:51	Date and time of file creation	ontime1	3541.6275174618	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	3541.6685574651	Sum of GTIs [s]
			ontime3	3541.7095974684	Sum of GTIs [s]
			ontime6	3541.7506374717	Sum of GTIs [s]
			ontime7	3541.791677475	Sum of GTIs [s]
			l1events	217449	Number of level 1 events

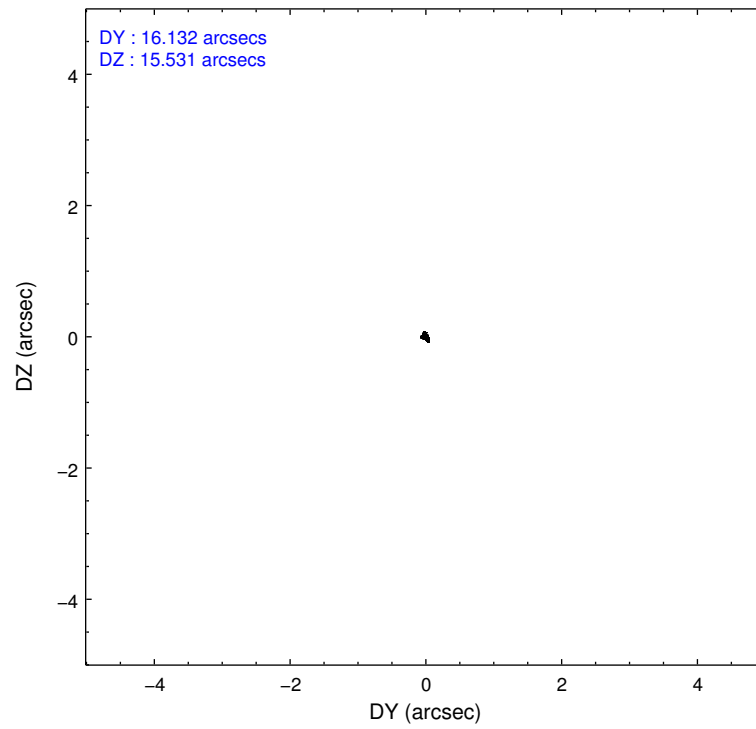
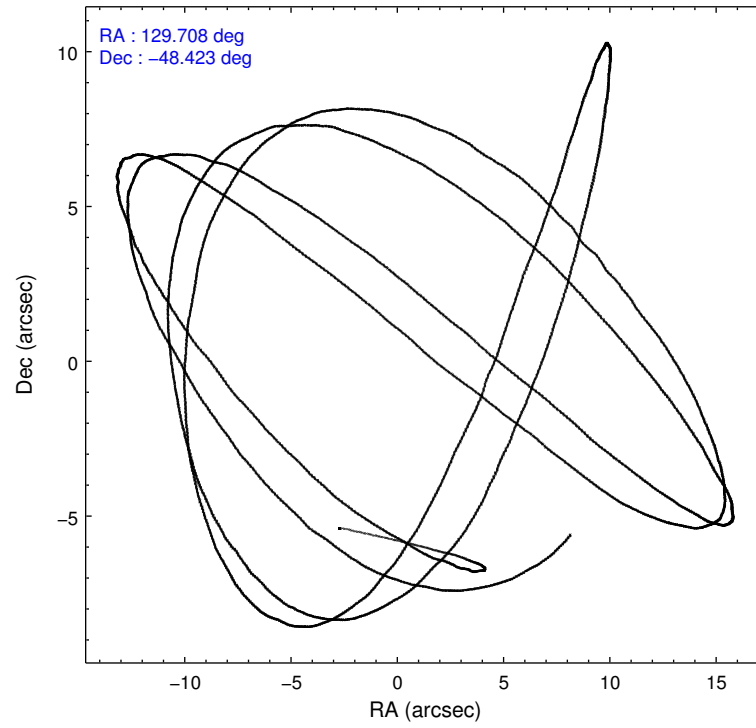
2.1.4 Events

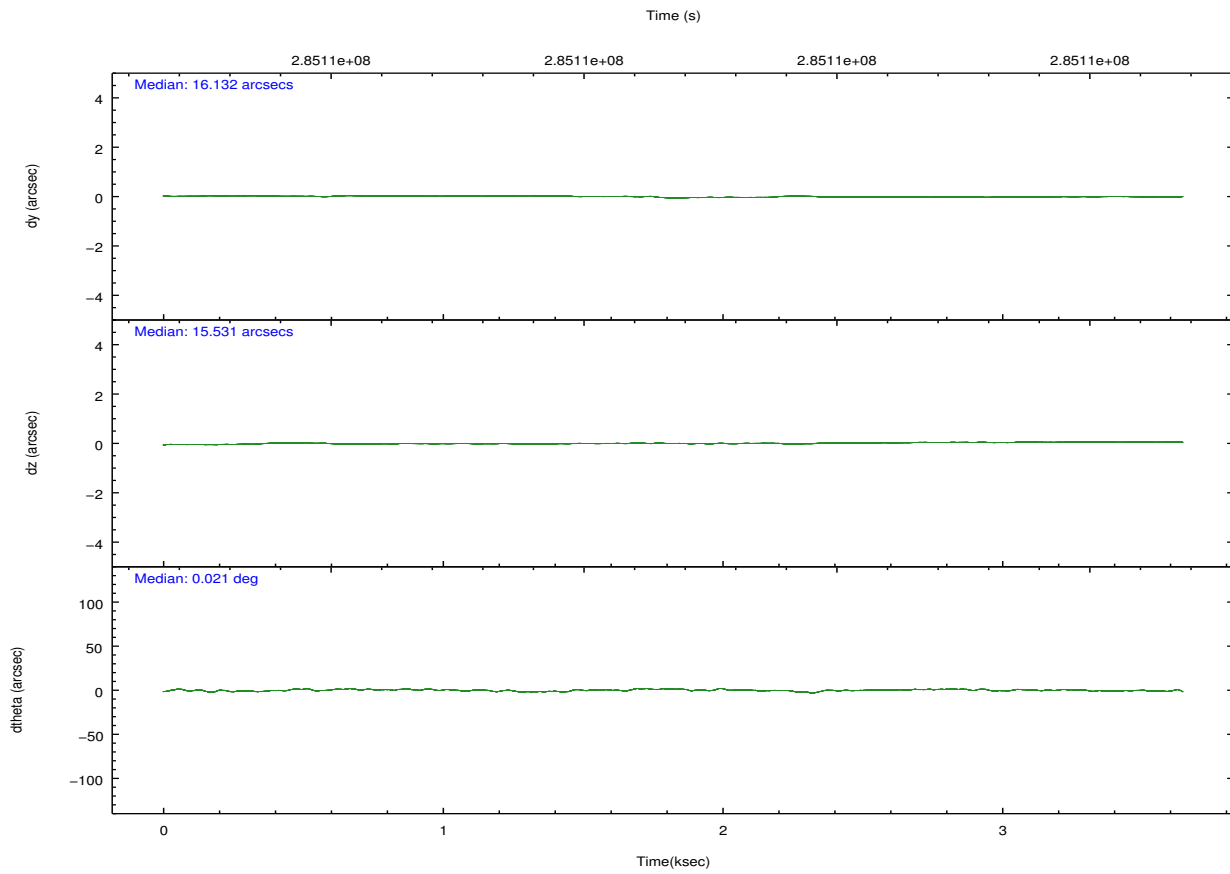
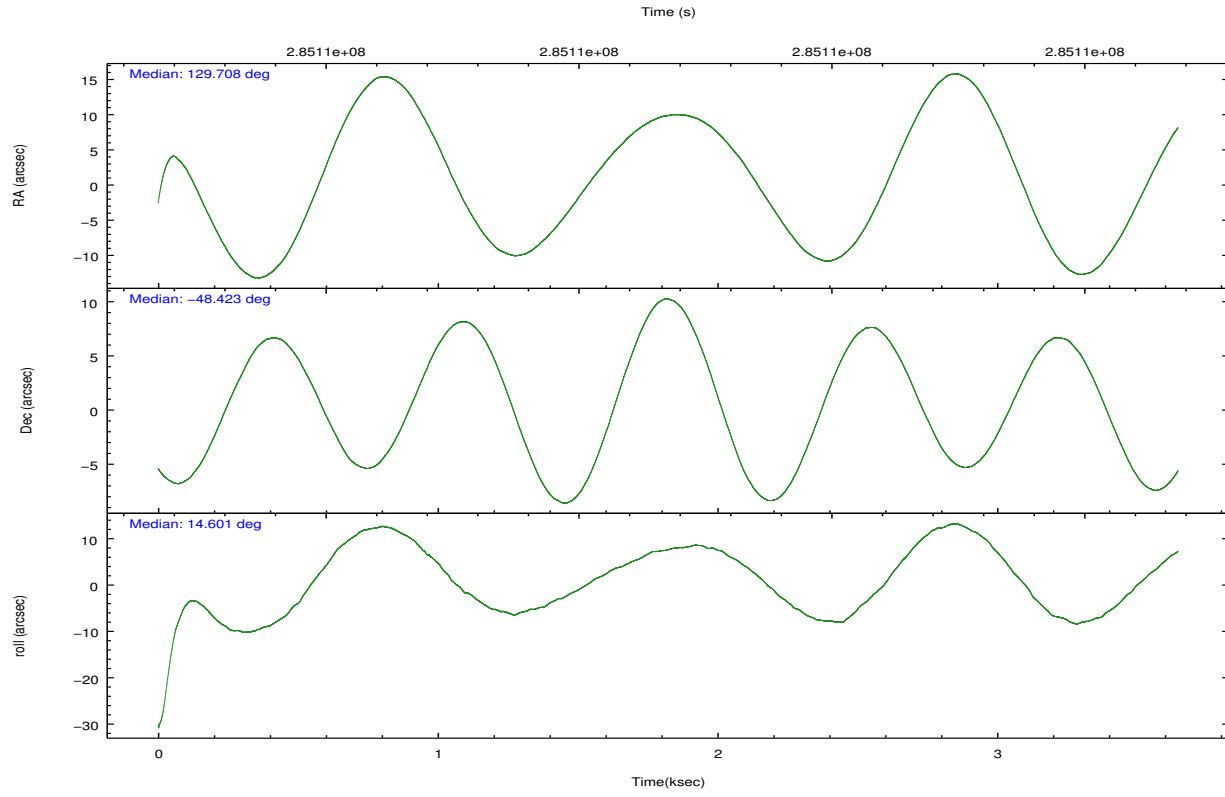
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	33090	32071	33097	33662	36090	49439	grade 0 events	2640	2442	2836	3325	2953	2588
rejected events	27627	26559	27768	27594	30136	26711		7%	7%	8%	9%	8%	5%
rejected %	83%	82%	83%	81%	83%	54%	grade 1 events	28	22	24	34	19	39
								0%	0%	0%	0%	0%	0%
							grade 2 events	1100	1206	932	977	1128	4686
								3%	3%	2%	2%	3%	9%
							grade 3 events	462	446	405	452	428	1963
								1%	1%	1%	1%	1%	3%
							grade 4 events	417	473	397	465	427	1966
								1%	1%	1%	1%	1%	3%
							grade 5 events	1367	1452	1197	1445	1511	4123
								4%	4%	3%	4%	4%	8%
							grade 6 events	852	947	765	859	1021	11545
								2%	2%	2%	2%	2%	23%
							grade 7 events	26224	25083	26541	26105	28603	22529
								79%	78%	80%	77%	79%	45%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	129.679732	129.7084069300886	Subarray requested	NONE	NONE
[deg] Pointing Dec	-48.442708	-48.42333308589929	Alternating exposures requested	N	N
[deg] Pointing Roll	14.425928	14.60392756030139	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.09952569084879603			
[mm] SIM translation stage pos	-207.132523	-207.1393518037191			
[mm] SIM translation stage offset	17	-26.45310119921064			
[s] Observation start time (MET)	285106674.184000	285105667.50762			
Observation start date	2007-01-13T20:16:49	2007-01-13T20:01:07			
[s] Observation end time (MET)	285110174.184000	285110856.57037			
Observation end date	2007-01-13T21:15:09	2007-01-13T21:27:36			
Read mode	TIMED	TIMED			

2.3 Aspect



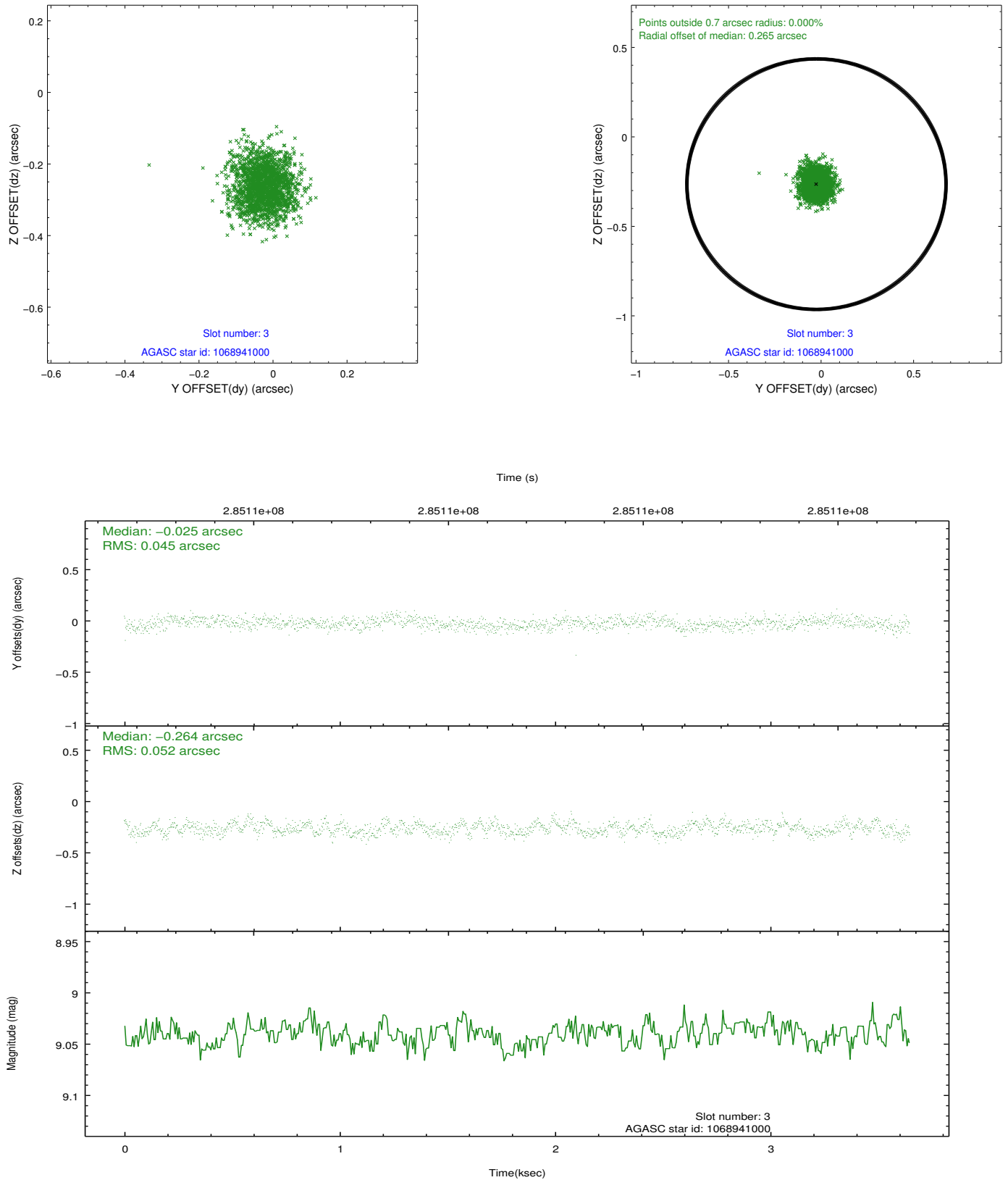


Slot Statistics

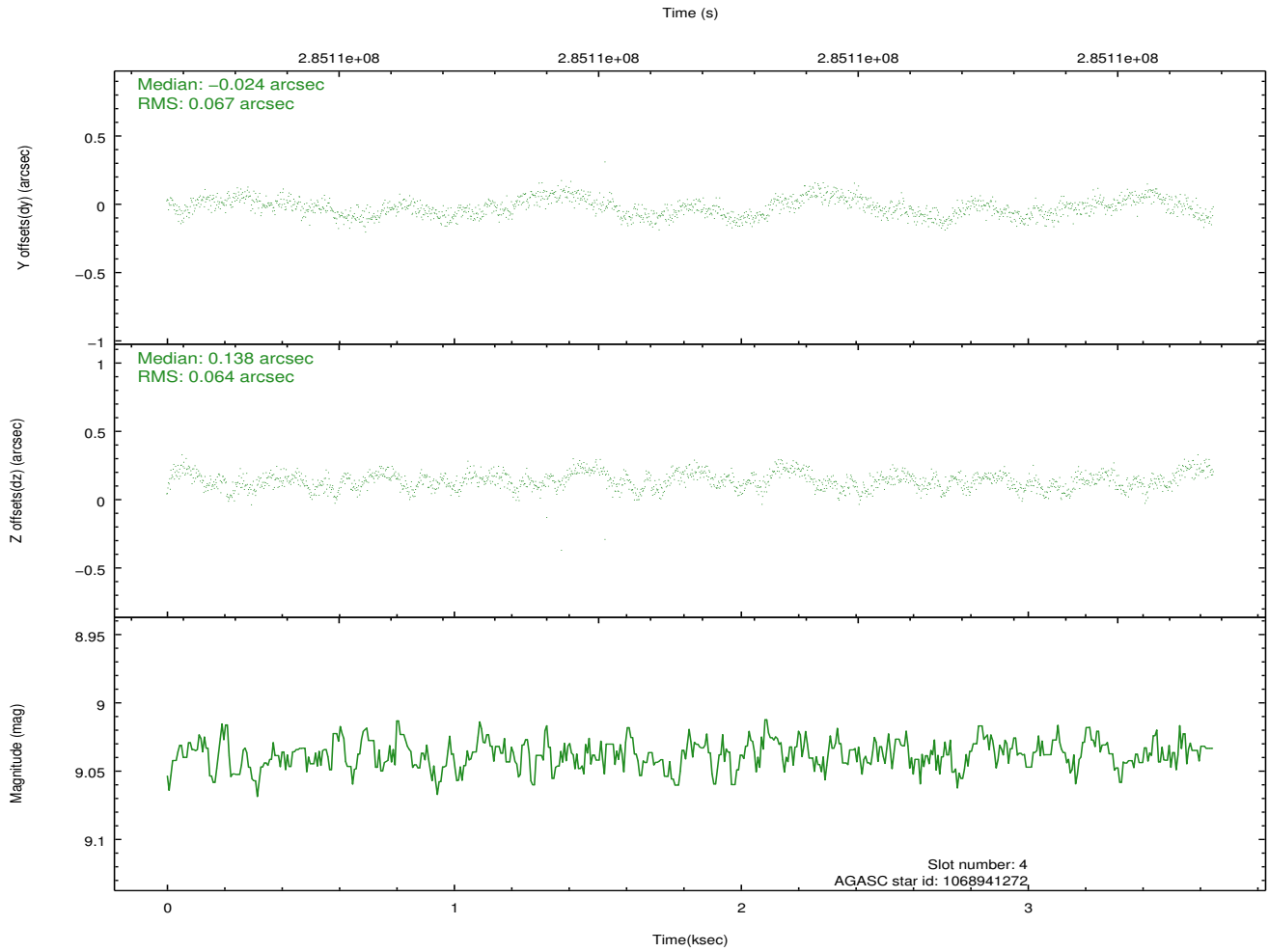
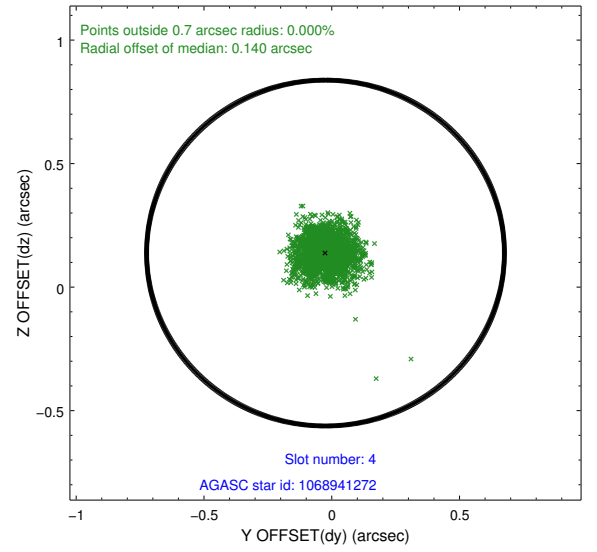
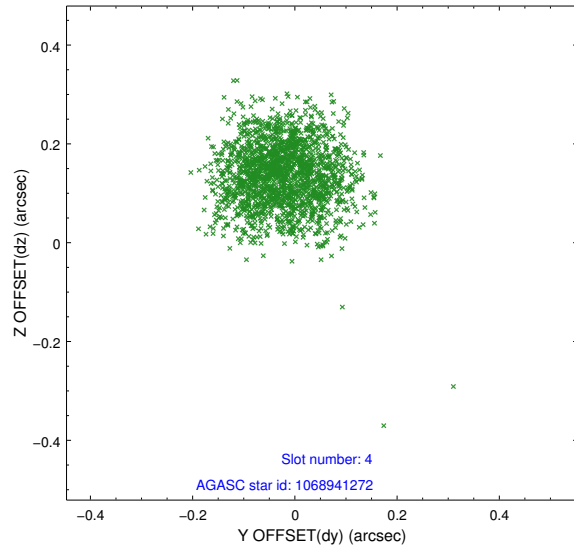
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.16	890	-0.201	-0.349	0.008	0.014	0.000000	0.000000	-770.45	-1386.60
1	FID	ACIS-I-4	7.23	890	-0.013	0.189	0.010	0.019	0.000000	0.000000	2142.37	519.64
2	FID	ACIS-I-5	7.21	890	0.183	0.170	0.011	0.019	0.000000	0.000000	-1821.32	516.00
3	GUIDE	1068941000	9.04	1778	-0.025	-0.264	0.074	0.117	129.710048	-48.425733	86.56	41.34
4	GUIDE	1068941272	9.04	1778	-0.024	0.138	0.099	0.154	129.791737	-48.575607	140.45	-529.46
5	GUIDE	1069293208	8.57	1780	0.091	0.016	0.069	0.114	129.318198	-48.910624	-1247.30	-1419.79
6	GUIDE	1069426824	7.47	1779	0.015	0.090	0.050	0.086	129.481661	-48.801997	-776.61	-1136.61
7	GUIDE	1068934528	8.65	1776	-0.060	0.022	0.082	0.138	130.835013	-48.708217	2415.43	-1629.58

2.4 Star Slots

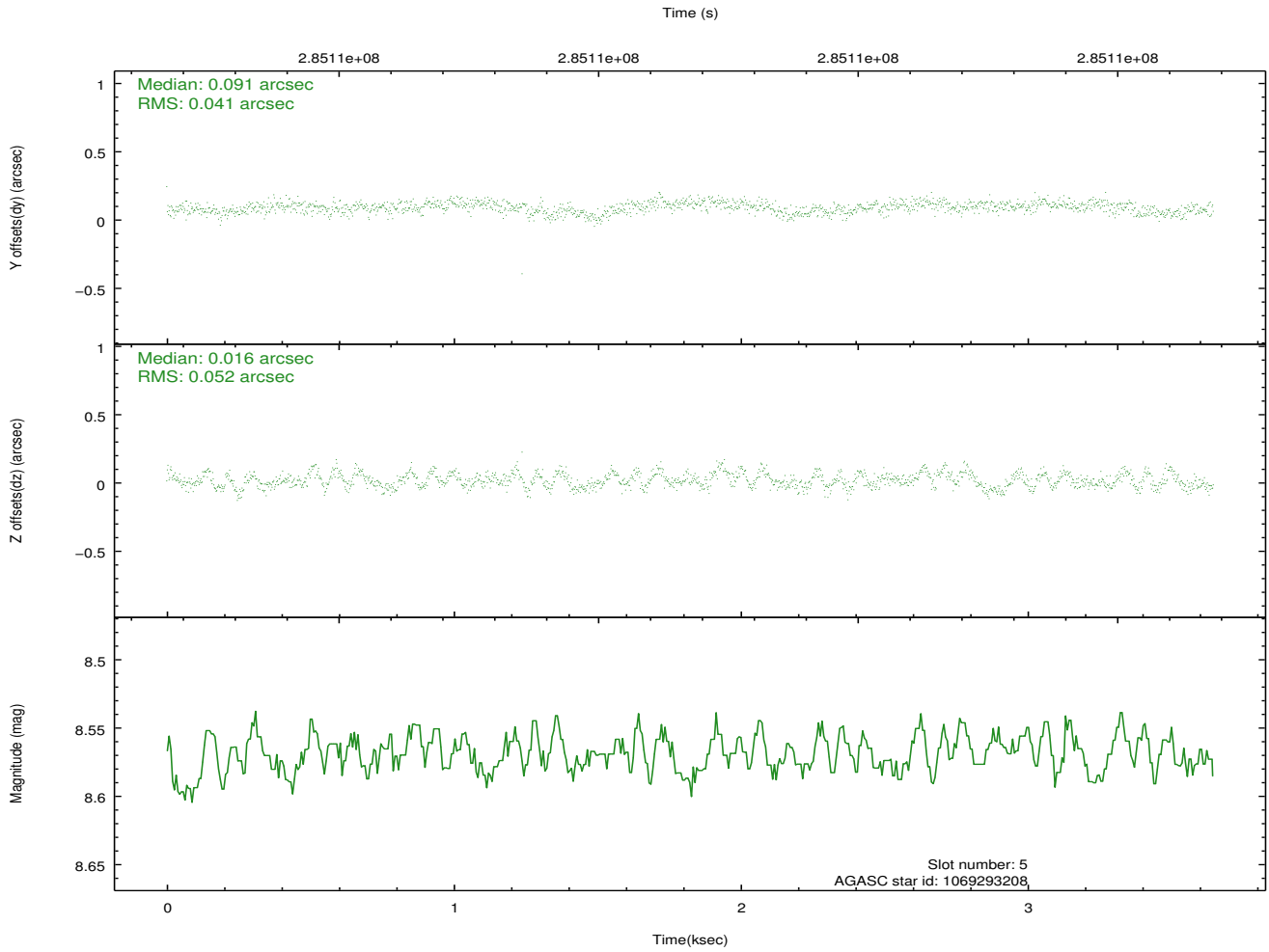
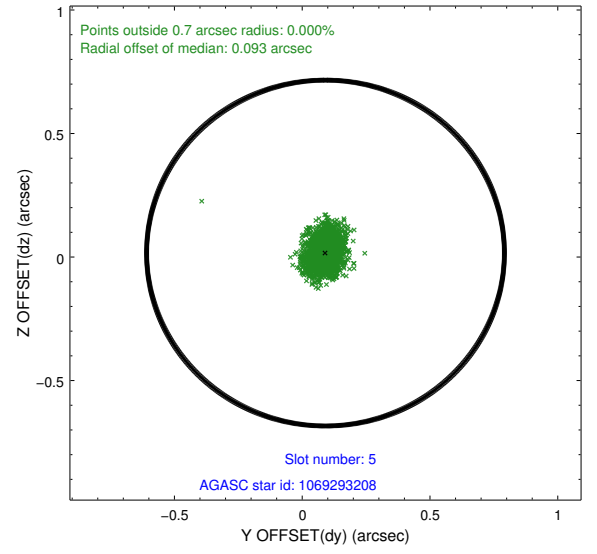
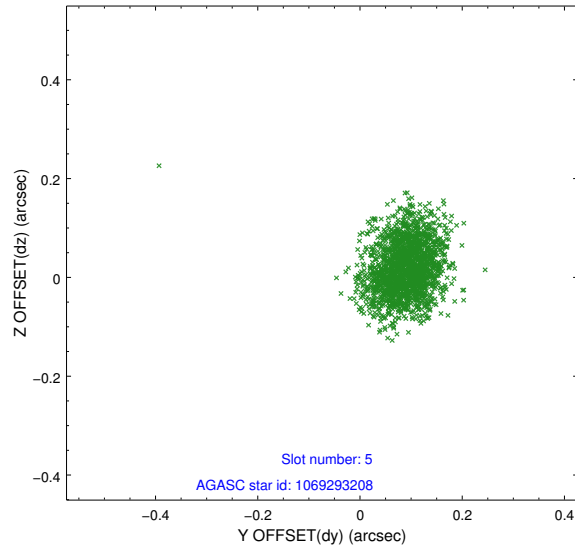
2.4.1 Slot 3



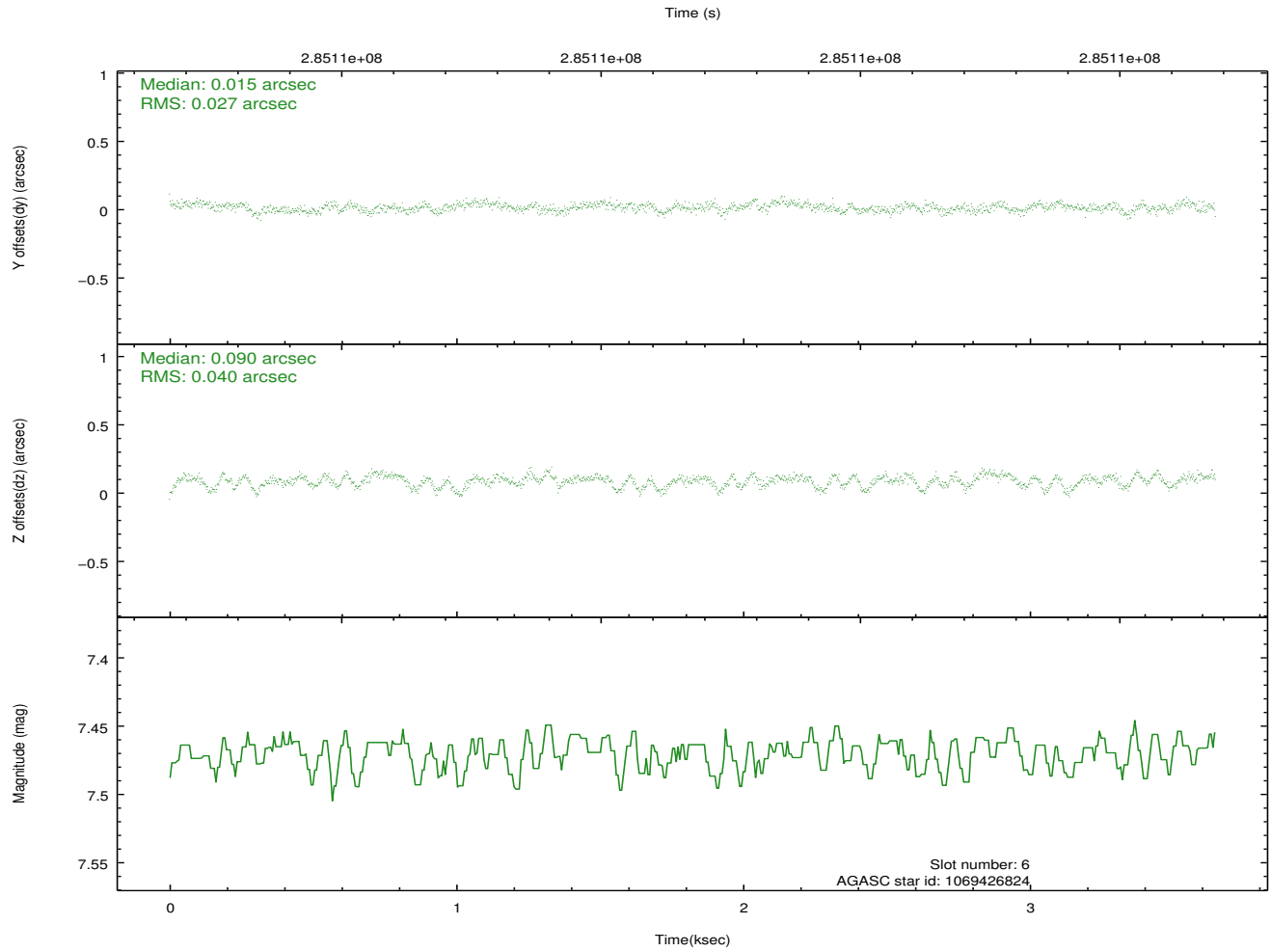
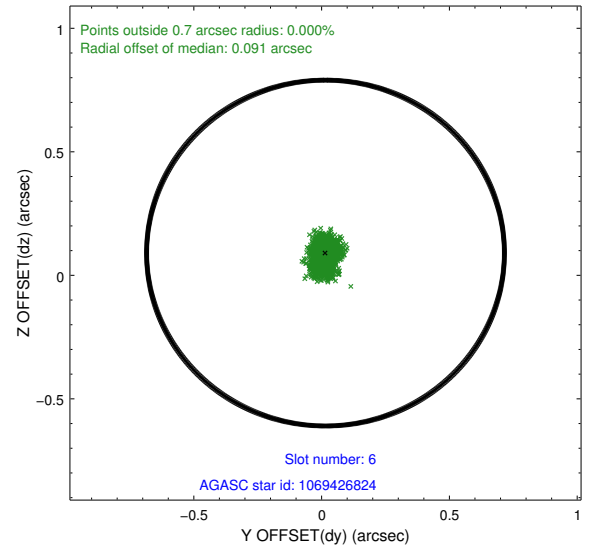
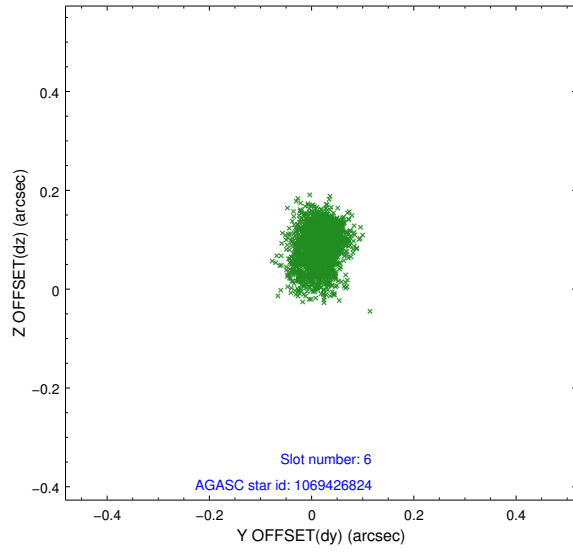
2.4.2 Slot 4



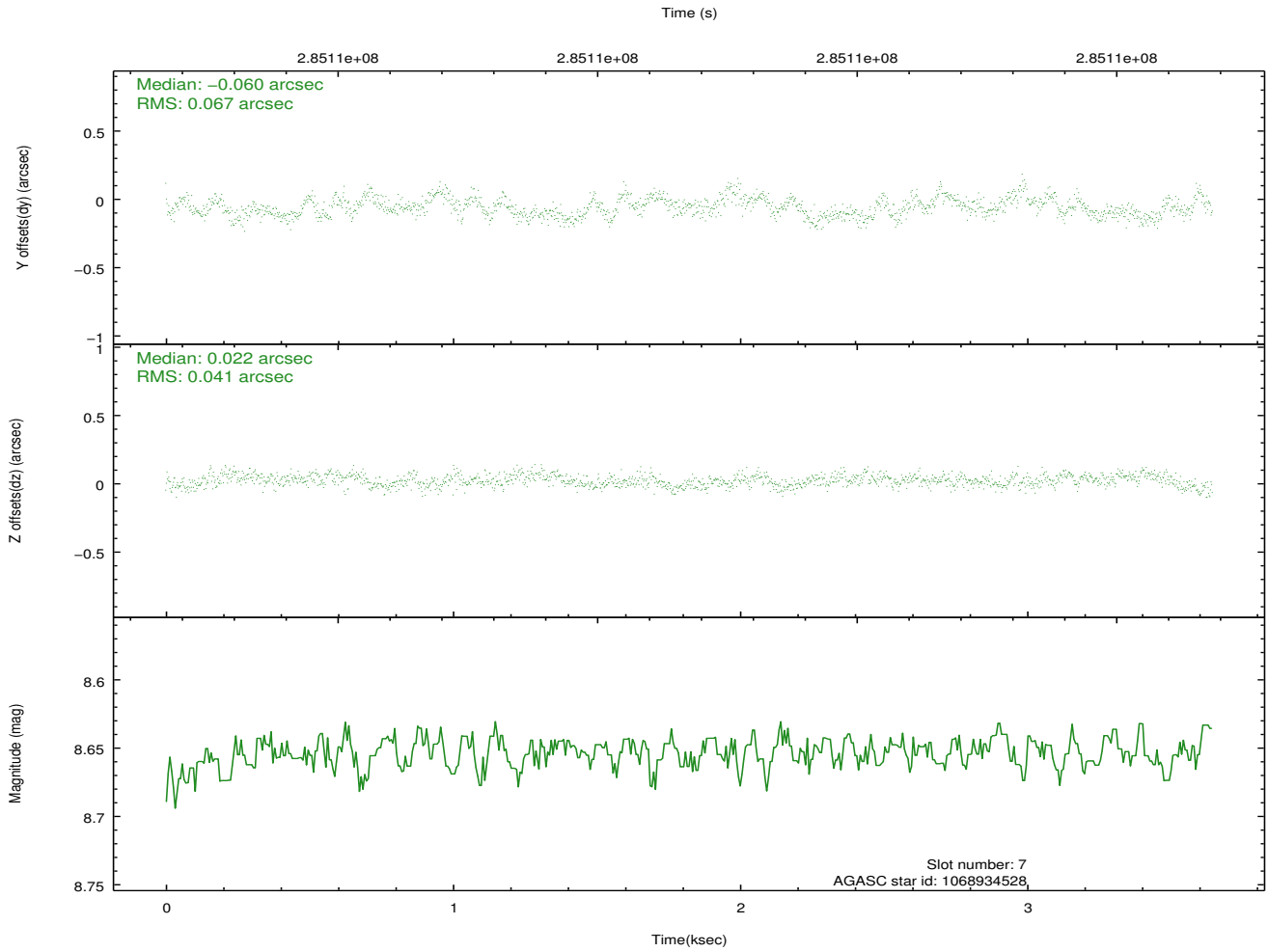
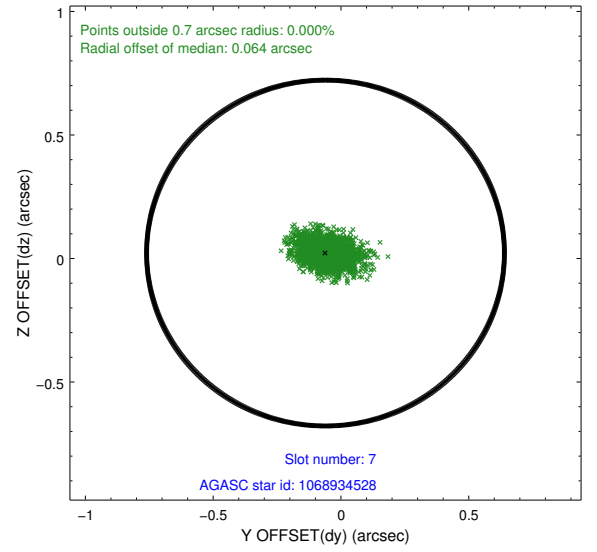
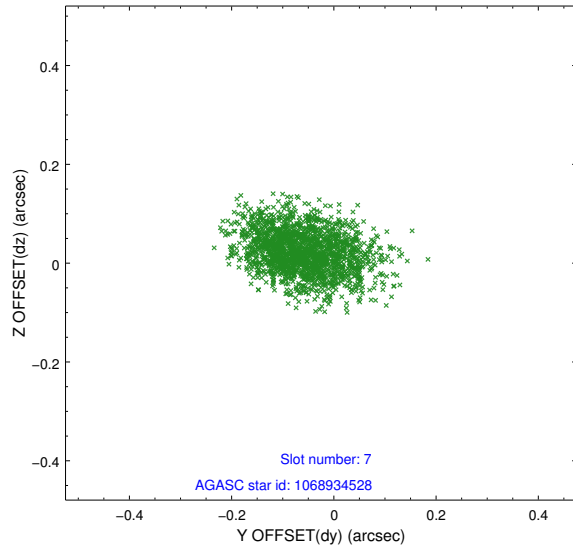
2.4.3 Slot 5



2.4.4 Slot 6

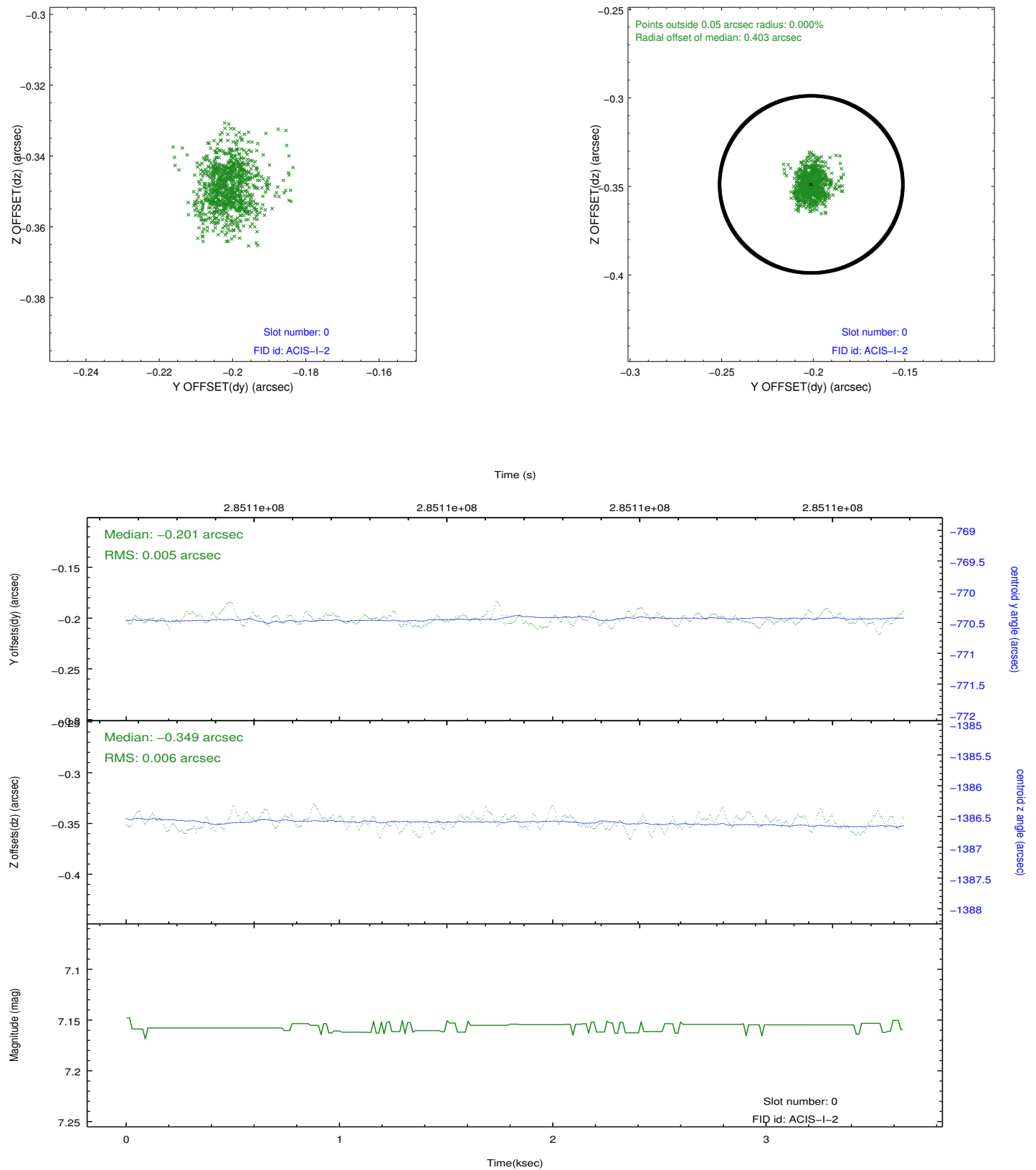


2.4.5 Slot 7

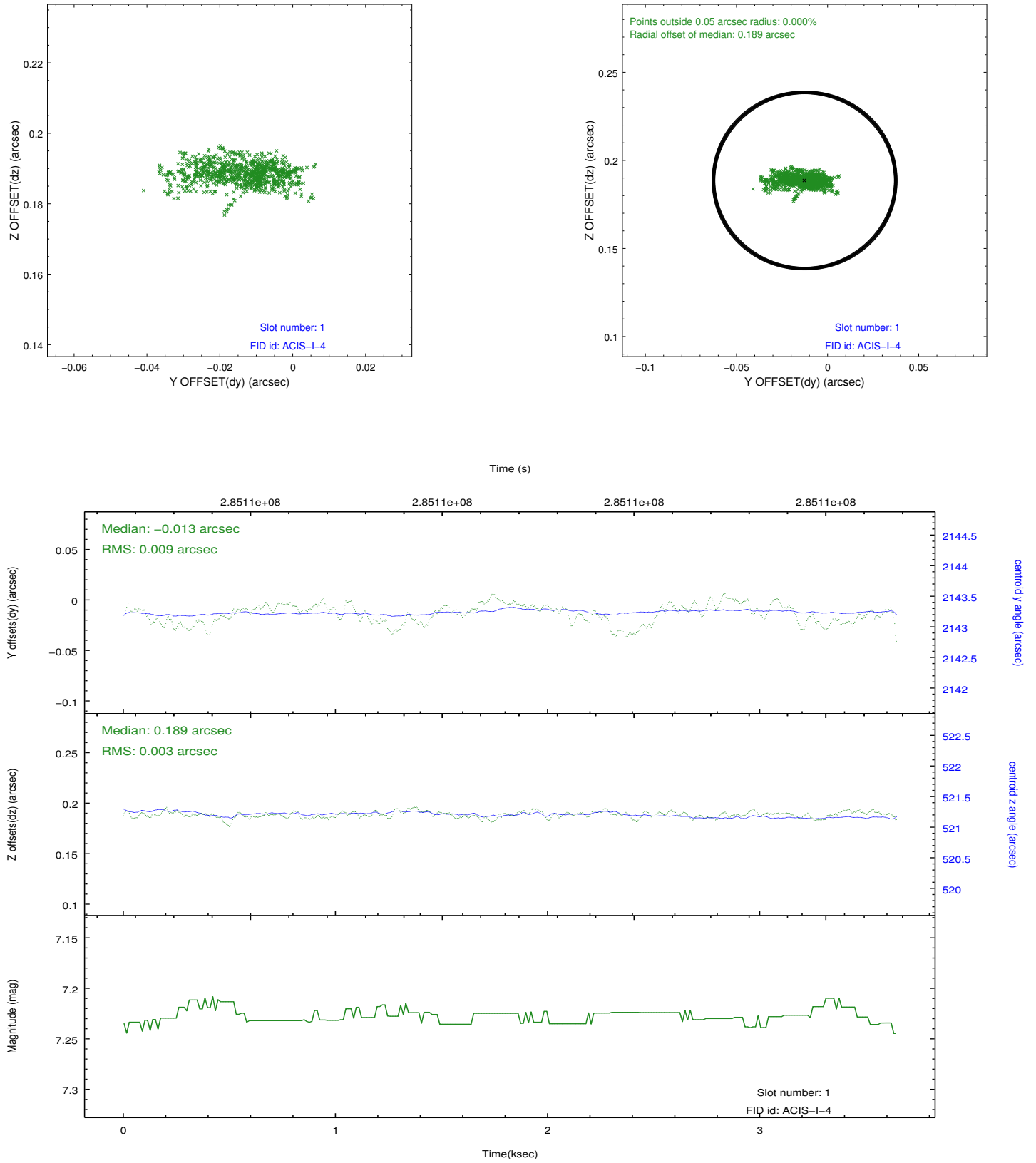


2.5 FID Slots

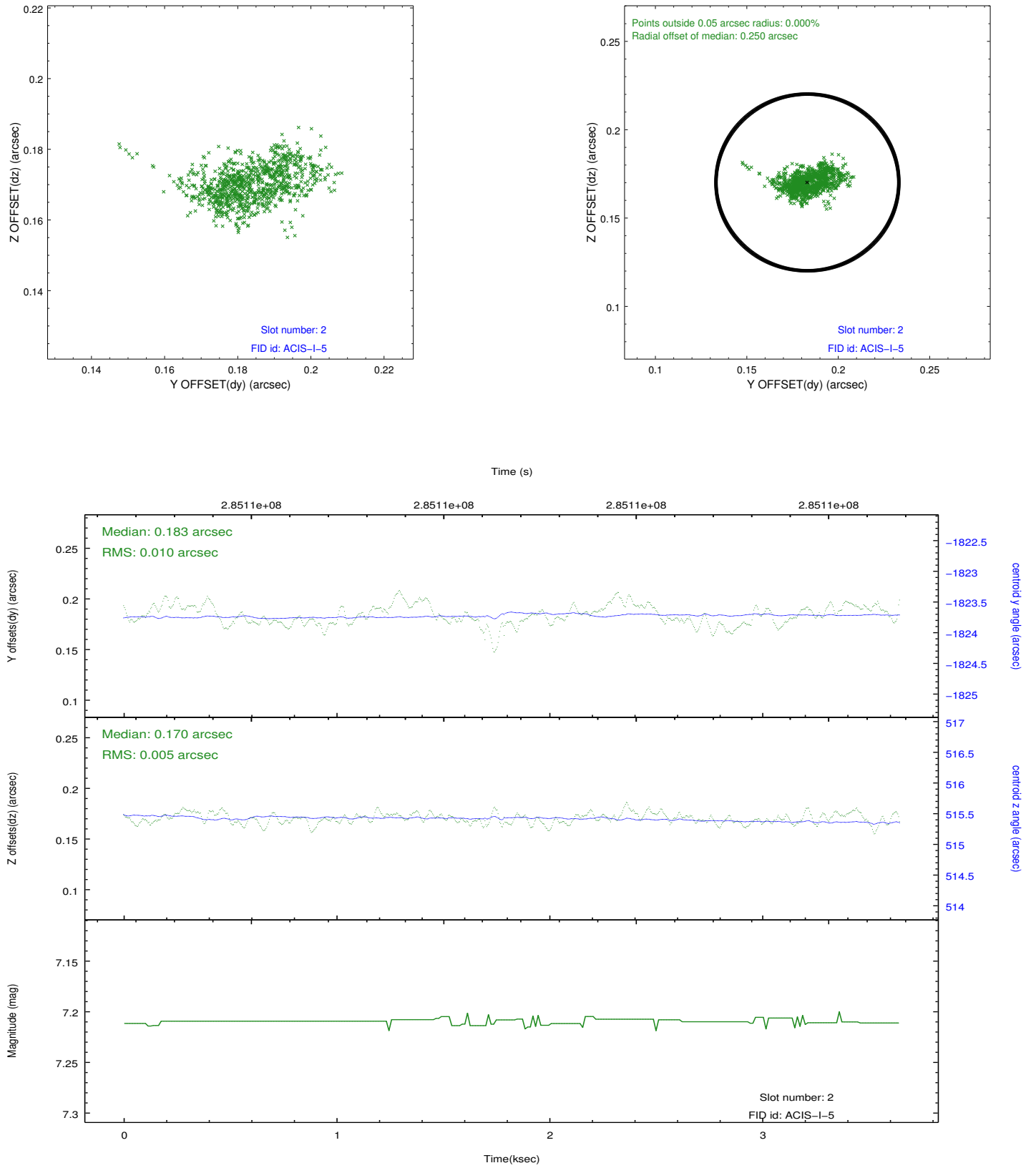
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.04.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.54239998

A.2 Comments

This observation was performed with a large SIM offset. As a result, the fid light positions are offset beyond normally expected ranges.