

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 17891 - L2 Version 1
Chandra X-Ray Center

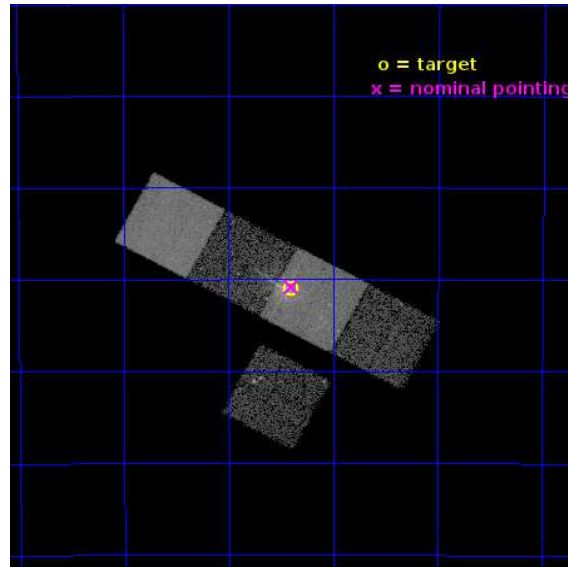
L2 Processing Date : Mar 22 2016

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

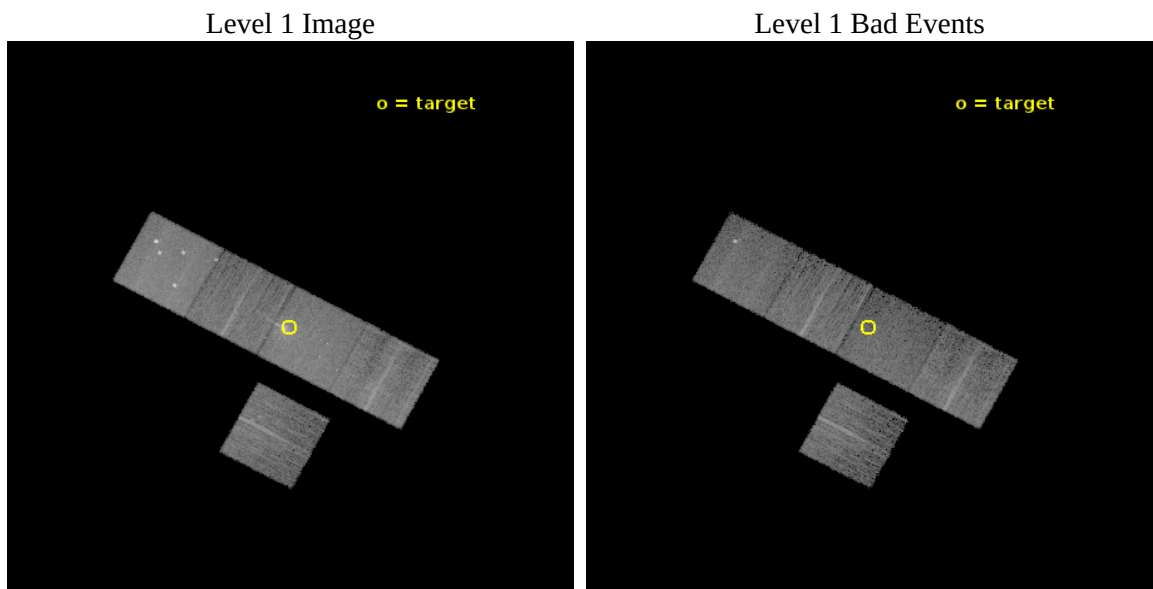
seq_num	502510	Sequence number
obs_id	17891	Observation id
title	Probing the Energetics and Environments of Hydrogen-poor Core-Collapse SNe	Proposal title
observer	Dr Raffaella Margutti	Principal investigator
object	SN2016adj	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	201.350458	Observer's specified target RA [deg]
dec_targ	-43.015972	Observer's specified target Dec [deg]
ra_nom	201.3497184268	Nominal RA [deg]
dec_nom	-43.013272962572	Nominal Dec [deg]
roll_nom	28.28870173823	Nominal Roll [deg]
revision	1	Processing version of data
ontime	10053.300077438	Sum of GTIs [s]
livetime	9921.9463107948	Livetime [s]
ontime3	10053.300077438	Sum of GTIs [s]
ontime5	10053.300077438	Sum of GTIs [s]
ontime6	10053.300077438	Sum of GTIs [s]
ontime7	10053.300077438	Sum of GTIs [s]
ontime8	10053.300077438	Sum of GTIs [s]
l2events	116500	Number of level 2 events



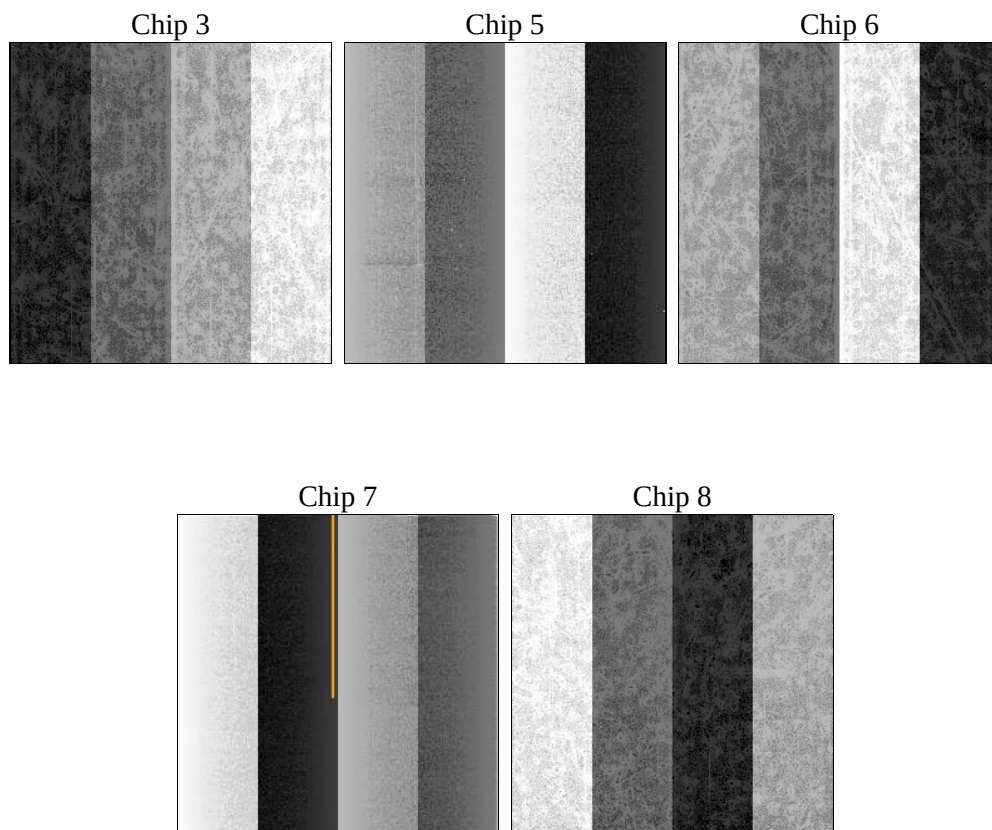
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	10.4.3.1	Processing system revision	ontime	10053.300077438	Sum of GTIs [s]
caldsver	4.7.0	 	ontime3	10053.300077438	Sum of GTIs [s]
date	2016-03-22T15:40:31	Date and time of file creation	ontime5	10053.300077438	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	10053.300077438	Sum of GTIs [s]
			ontime7	10053.300077438	Sum of GTIs [s]
			ontime8	10053.300077438	Sum of GTIs [s]
			l1events	420145	Number of level 1 events

2.1.4 Events

	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	60178	109691	69163	98475	82638
rejected events	53036	55090	59618	48668	61794
rejected %	88%	50%	86%	49%	74%

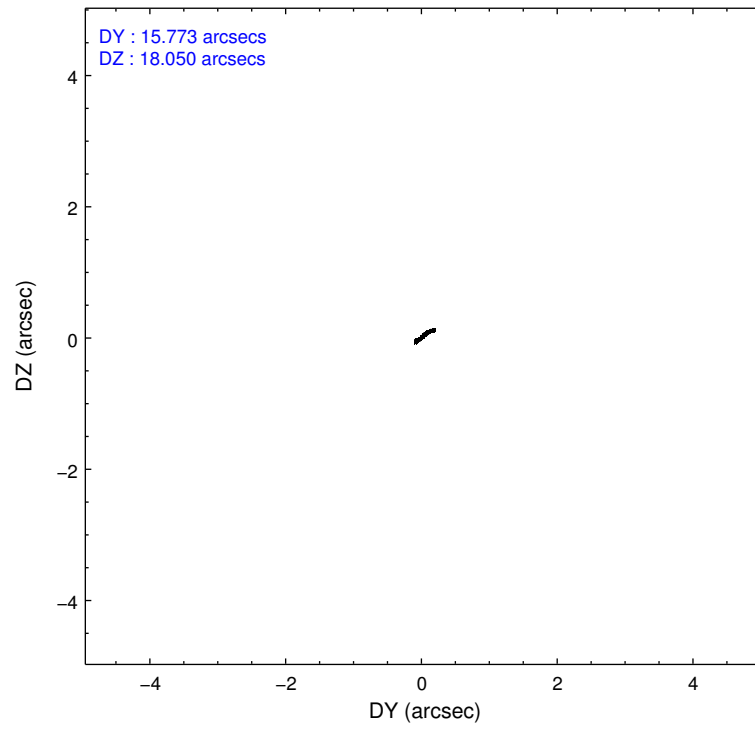
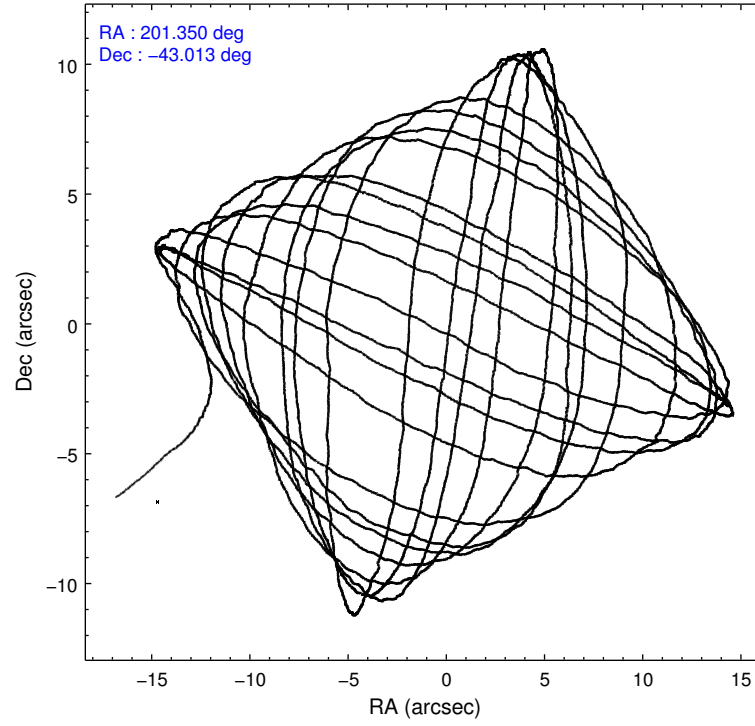
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	2837	8756	4051	5929	5895
	4%	7%	5%	6%	7%
grade 1 events	40	618	37	186	37
	0%	0%	0%	0%	0%
grade 2 events	1421	16203	2056	11177	5093
	2%	14%	2%	11%	6%
grade 3 events	698	1472	761	3991	2028
	1%	1%	1%	4%	2%
grade 4 events	738	1319	709	4011	1978
	1%	1%	1%	4%	2%
grade 5 events	2926	6696	2781	7989	4270
	4%	6%	4%	8%	5%
grade 6 events	1449	26864	1970	24717	5856
	2%	24%	2%	25%	7%
grade 7 events	50069	47763	56798	40475	57481
	83%	43%	82%	41%	69%

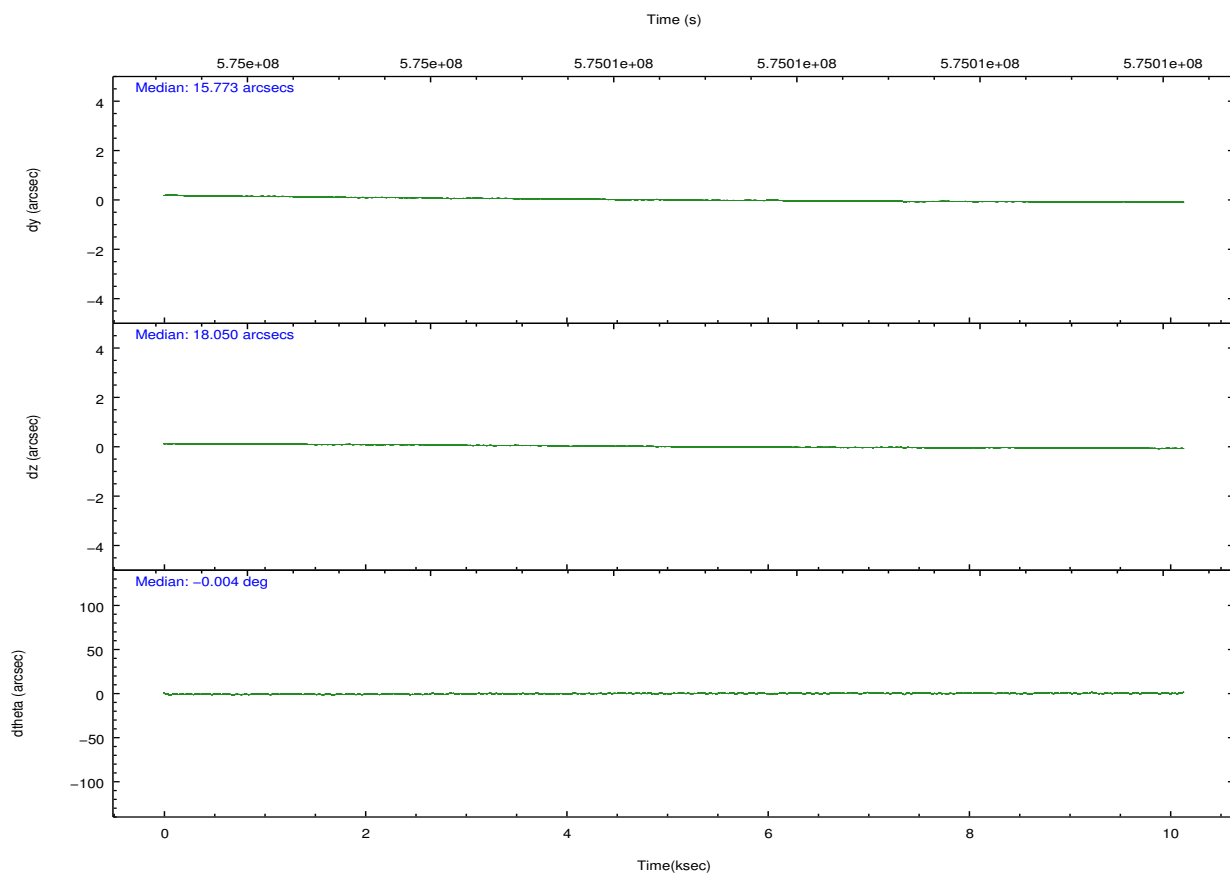
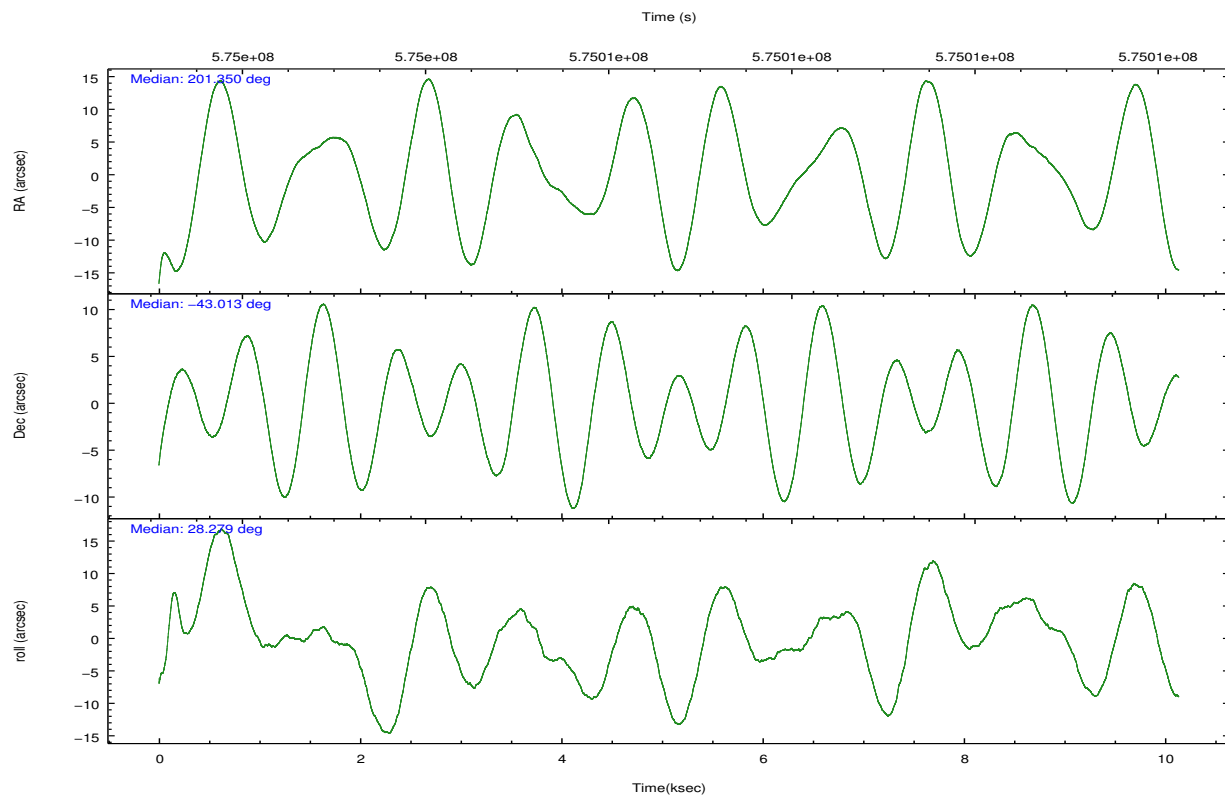
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-35678	ACIS-35678
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	201.330480	201.3497184268002
[deg] Pointing Dec	-43.036834	-43.01327296257168
[deg] Pointing Roll	28.118958	28.28870173822962
[mm] SIM focus pos	-0.684267	-0.6828225247311905
[mm] SIM defocus	0	0.001444936568705701
[mm] SIM translation stage pos	-190.132523	-190.1425803651734
[mm] SIM translation stage offset	0	0.01005778216563158
[s] Observation start time (MET)	575001729.184000	575000345.61156
Observation start date	2016-03-22T02:41:01	2016-03-22T02:19:05
[s] Observation end time (MET)	575011729.184000	575012508.2622499
Observation end date	2016-03-22T05:27:41	2016-03-22T05:41:48
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
CCD I0 on	N	N
CCD I1 on	N	N
CCD I2 on	N	N
CCD I3 on	O1	Y
CCD S0 on	N	N
CCD S1 on	Y	Y
CCD S2 on	Y	Y
CCD S3 on	Y	Y
CCD S4 on	Y	Y
CCD S5 on	N	N
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	3.1

2.3 Aspect



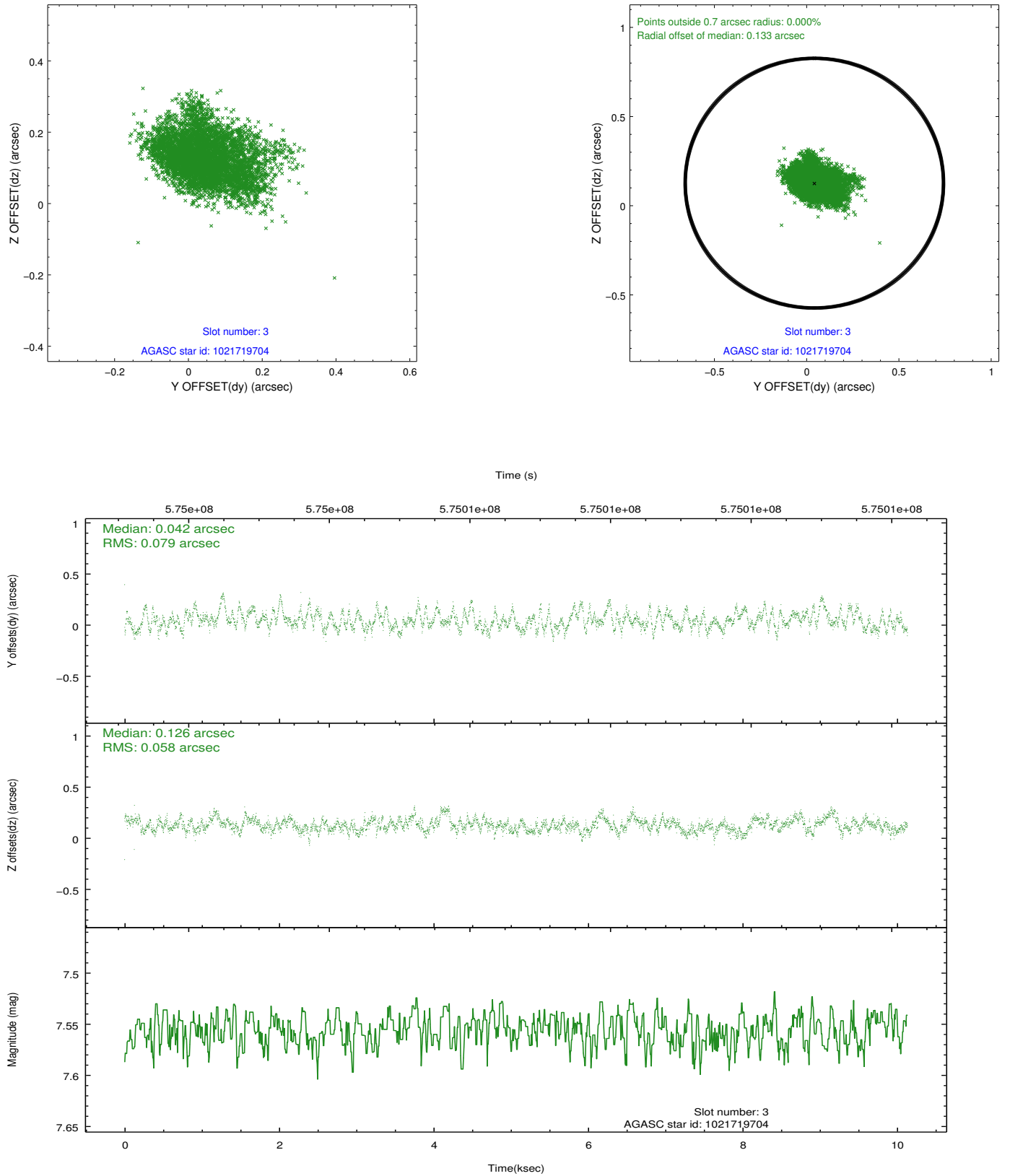


Slot Statistics

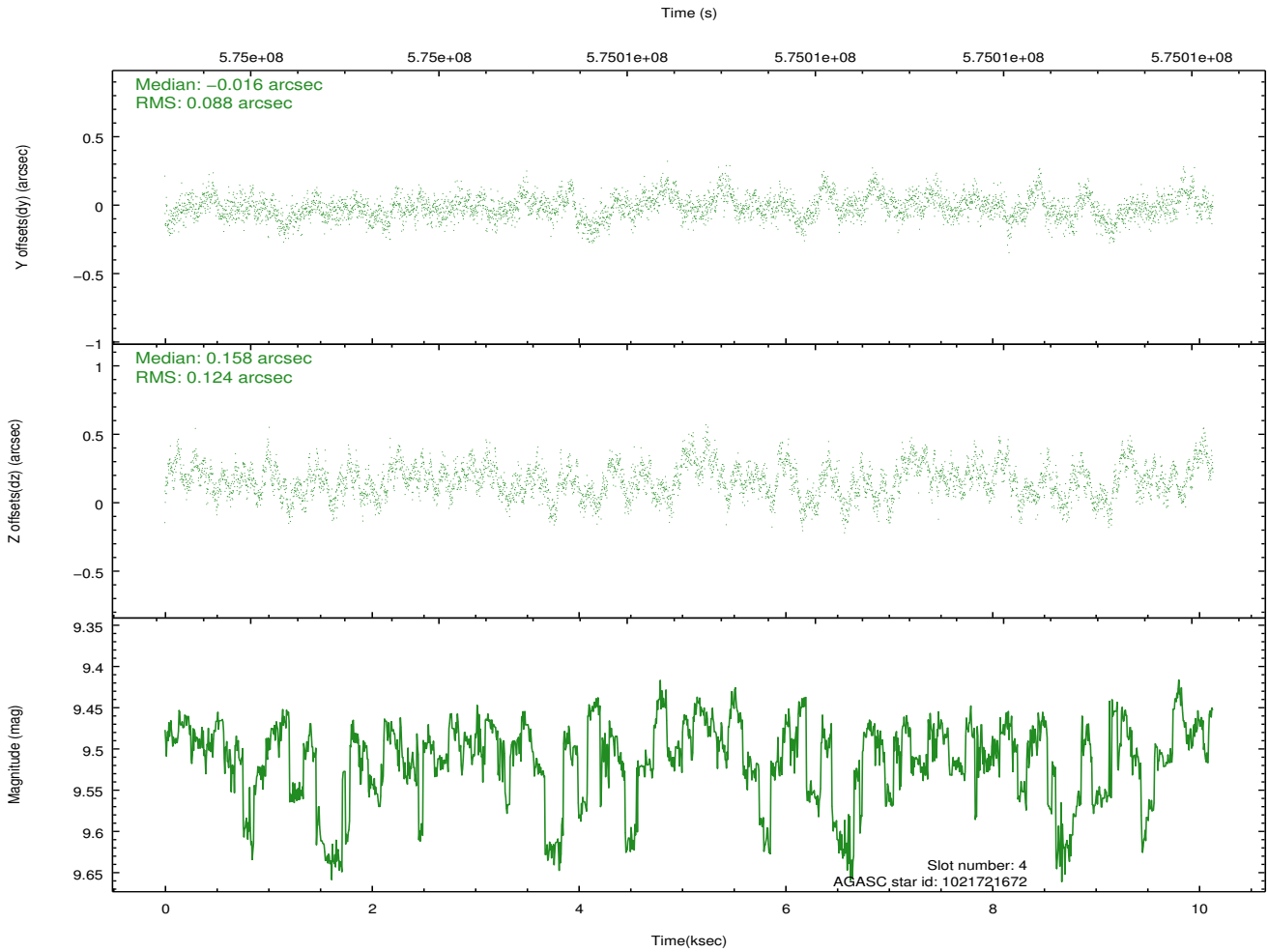
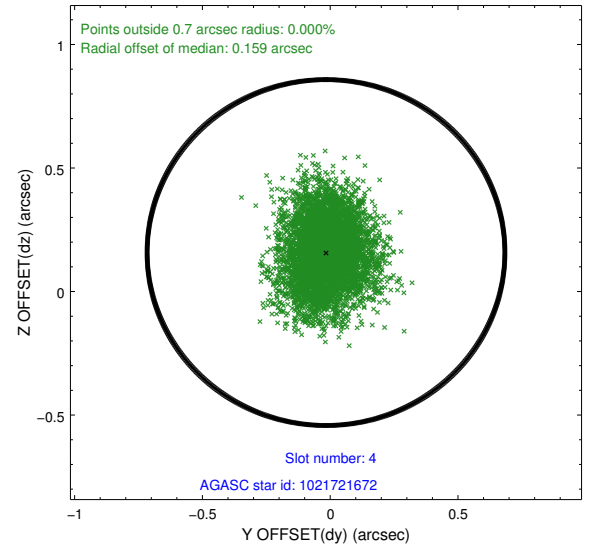
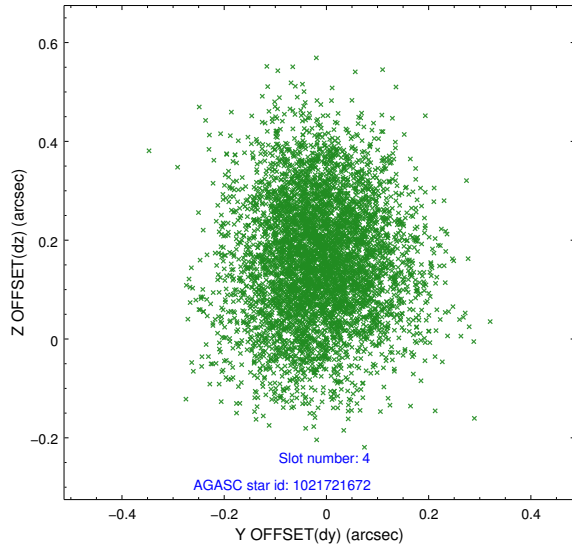
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.14	2472	-0.198	-0.169	0.009	0.014	0.000000	0.000000	-768.99	-1739.64
1	FID		ACIS-S-4	7.24	2472	0.484	0.141	0.006	0.012	0.000000	0.000000	2144.74	168.59
2	FID		ACIS-S-5	7.26	2472	-0.317	0.037	0.008	0.014	0.000000	0.000000	-1821.27	162.78
3	GUIDE	used	1021719704	7.56	4944	0.042	0.126	0.104	0.170	200.511976	-43.050426	-1926.71	961.92
4	GUIDE	used	1021721672	9.51	4942	-0.016	0.158	0.163	0.265	201.740358	-43.079729	876.44	-646.06
5	GUIDE	used	1022235840	9.44	4934	0.054	-0.151	0.209	0.340	201.679306	-43.544276	-58.10	-2042.21
6	GUIDE	used	1021717656	8.31	4944	-0.087	0.097	0.089	0.141	201.139642	-43.082878	-520.68	89.33
7	GUIDE	used	1021716808	8.81	4941	-0.015	-0.229	0.114	0.190	200.901189	-42.531395	-148.71	2138.65

2.4 Star Slots

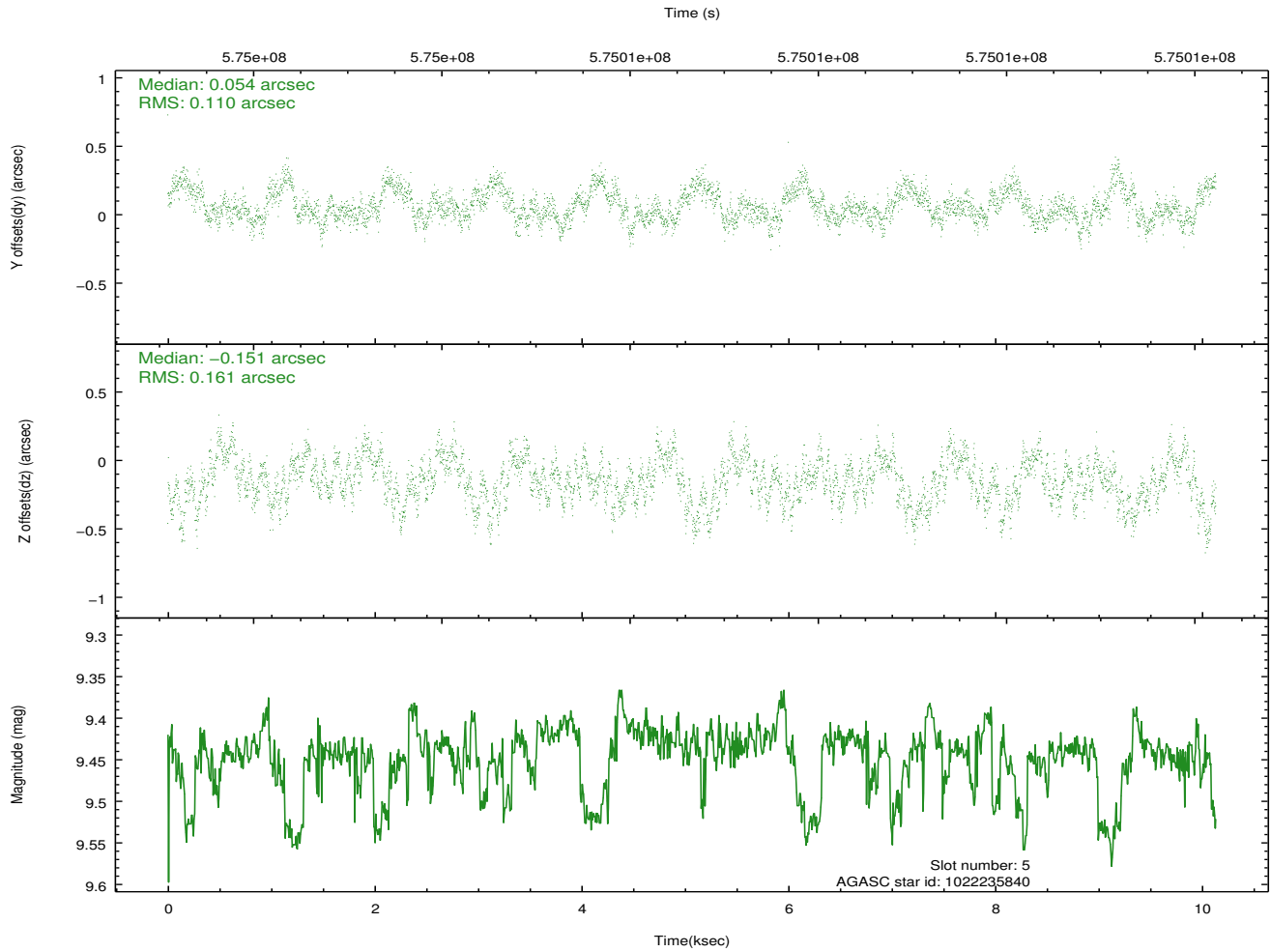
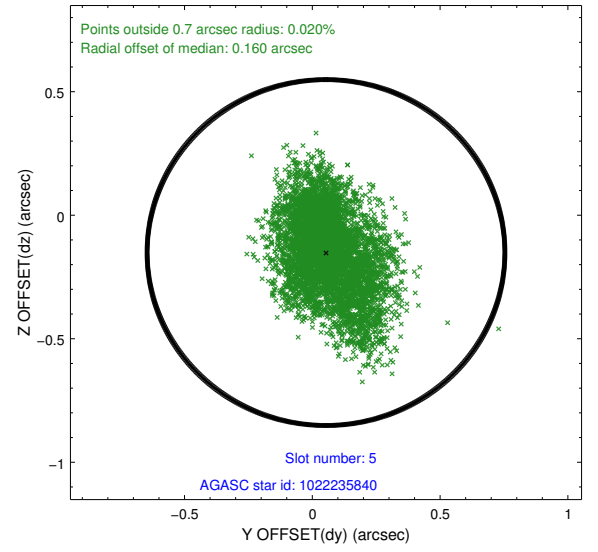
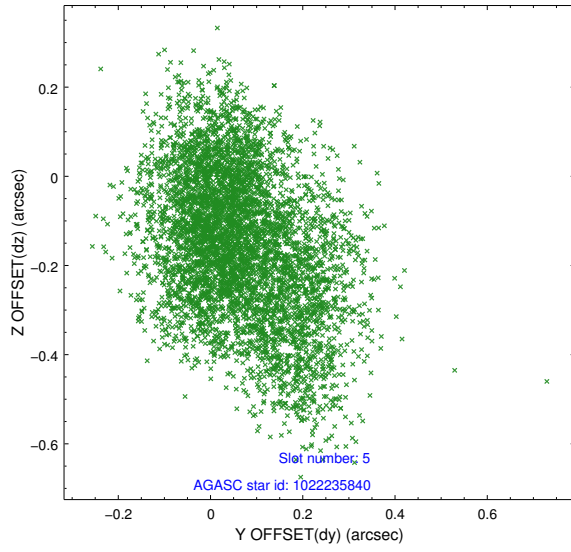
2.4.1 Slot 3



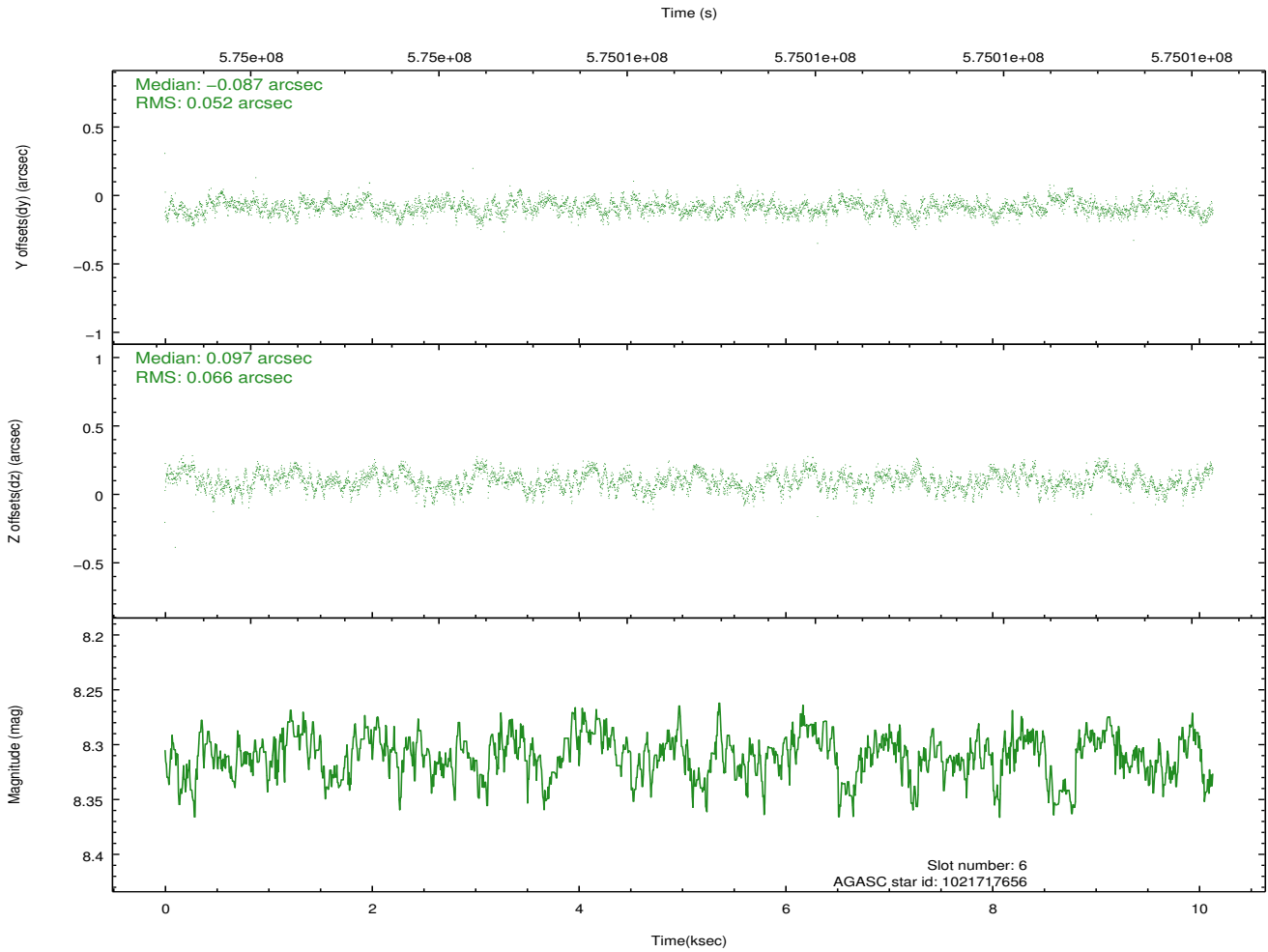
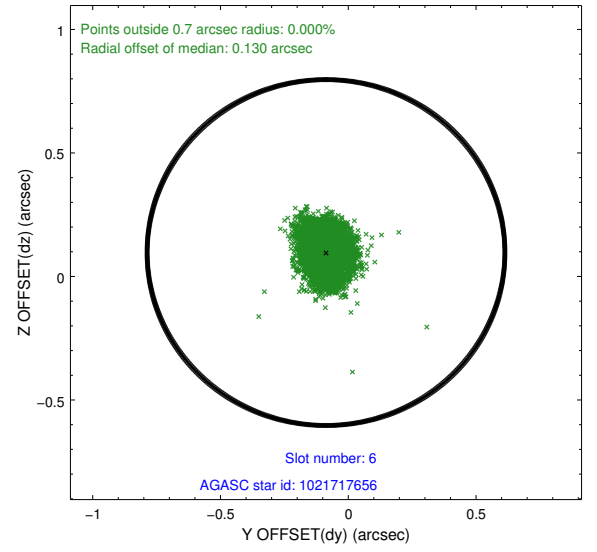
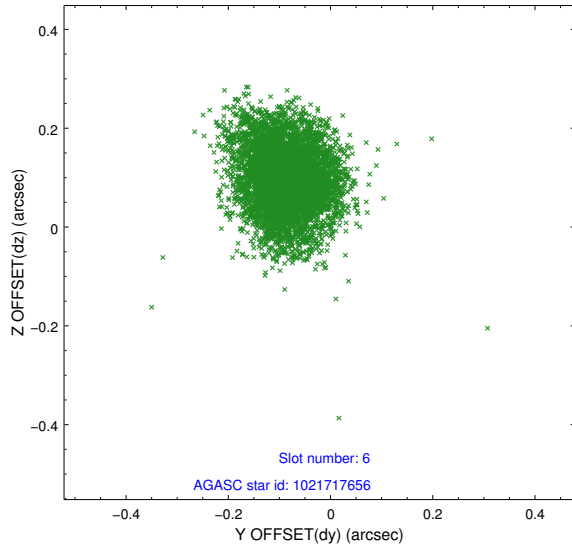
2.4.2 Slot 4



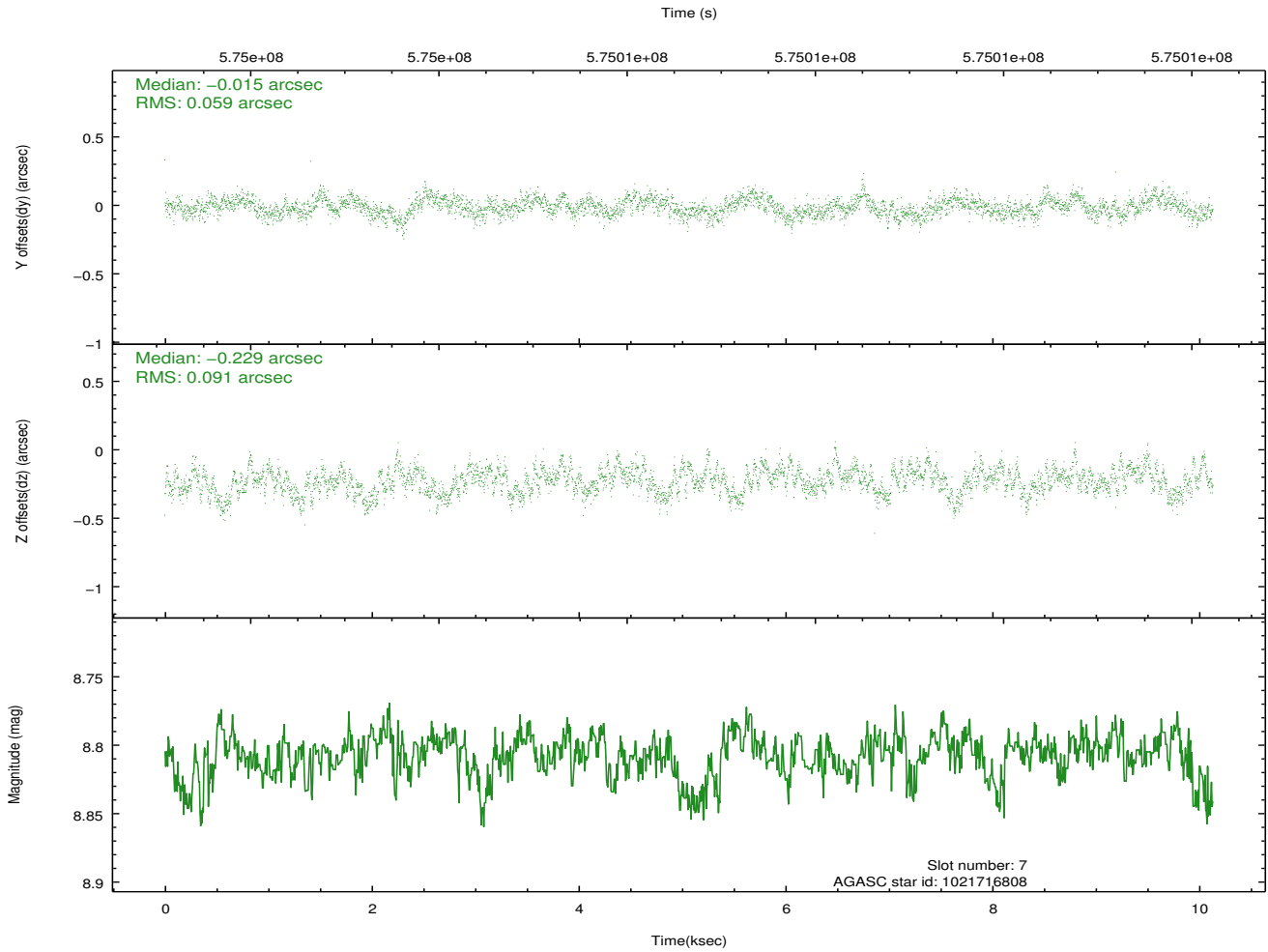
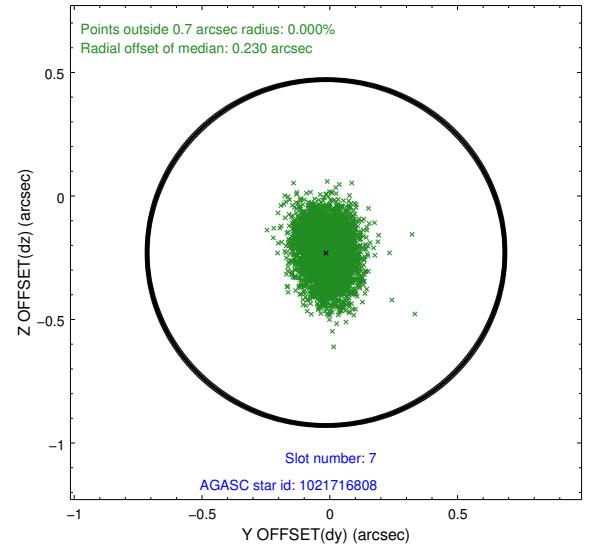
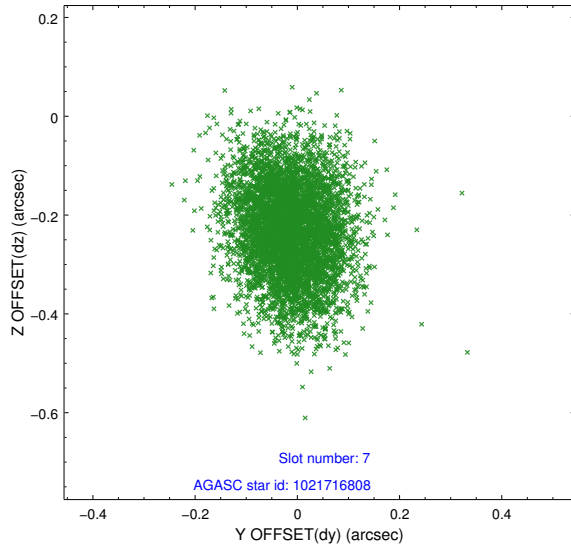
2.4.3 Slot 5



2.4.4 Slot 6

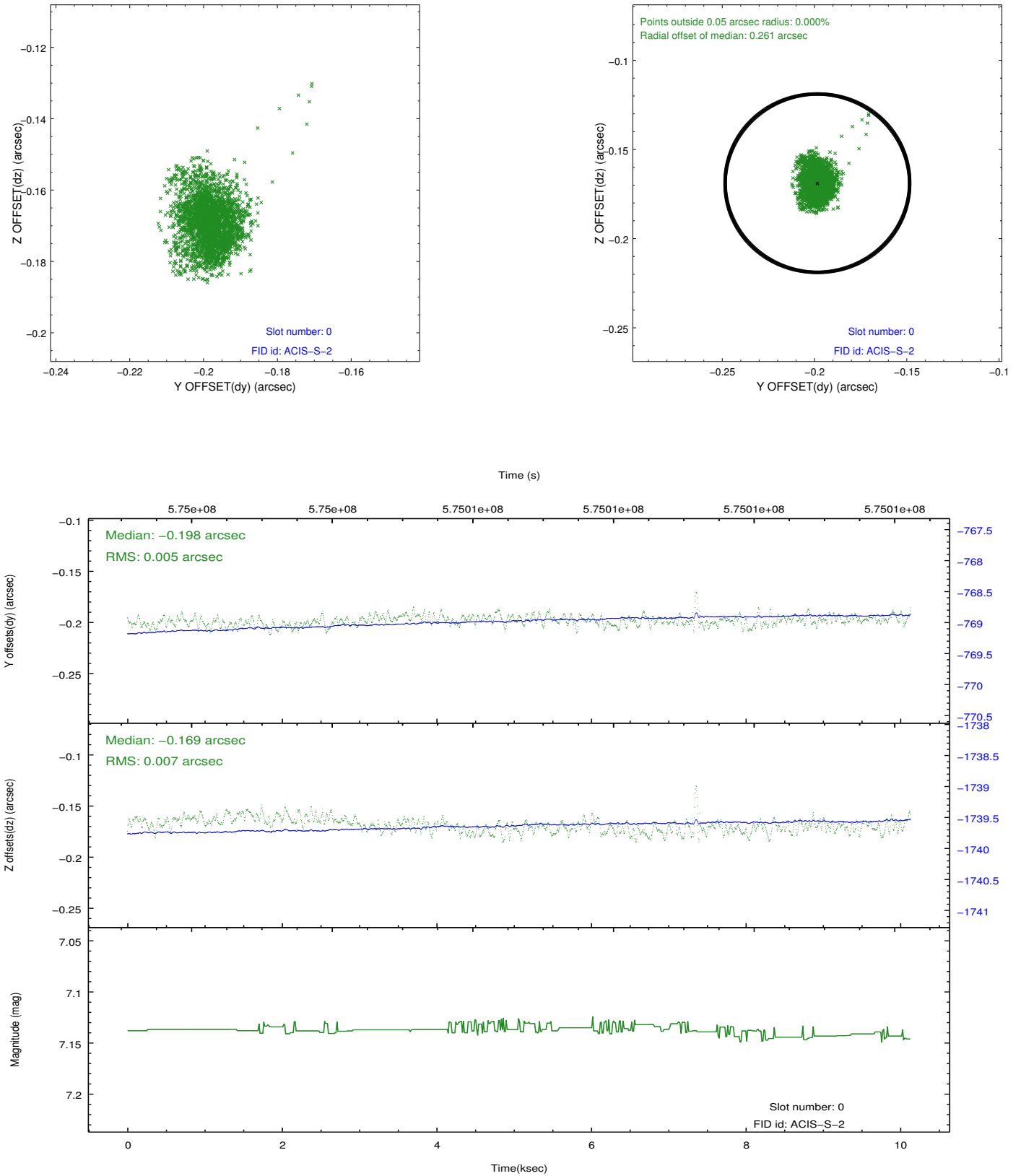


2.4.5 Slot 7

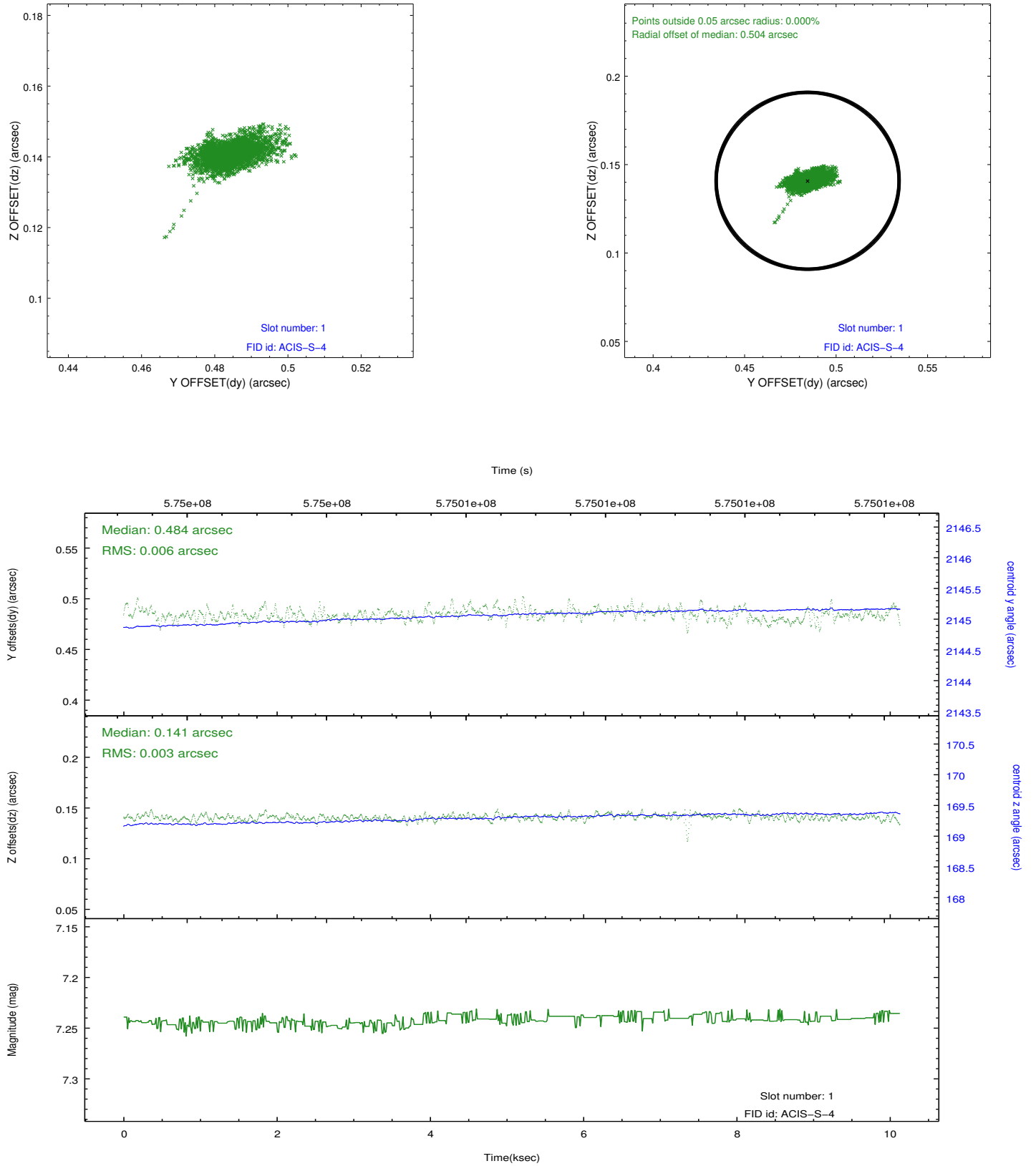


2.5 FID Slots

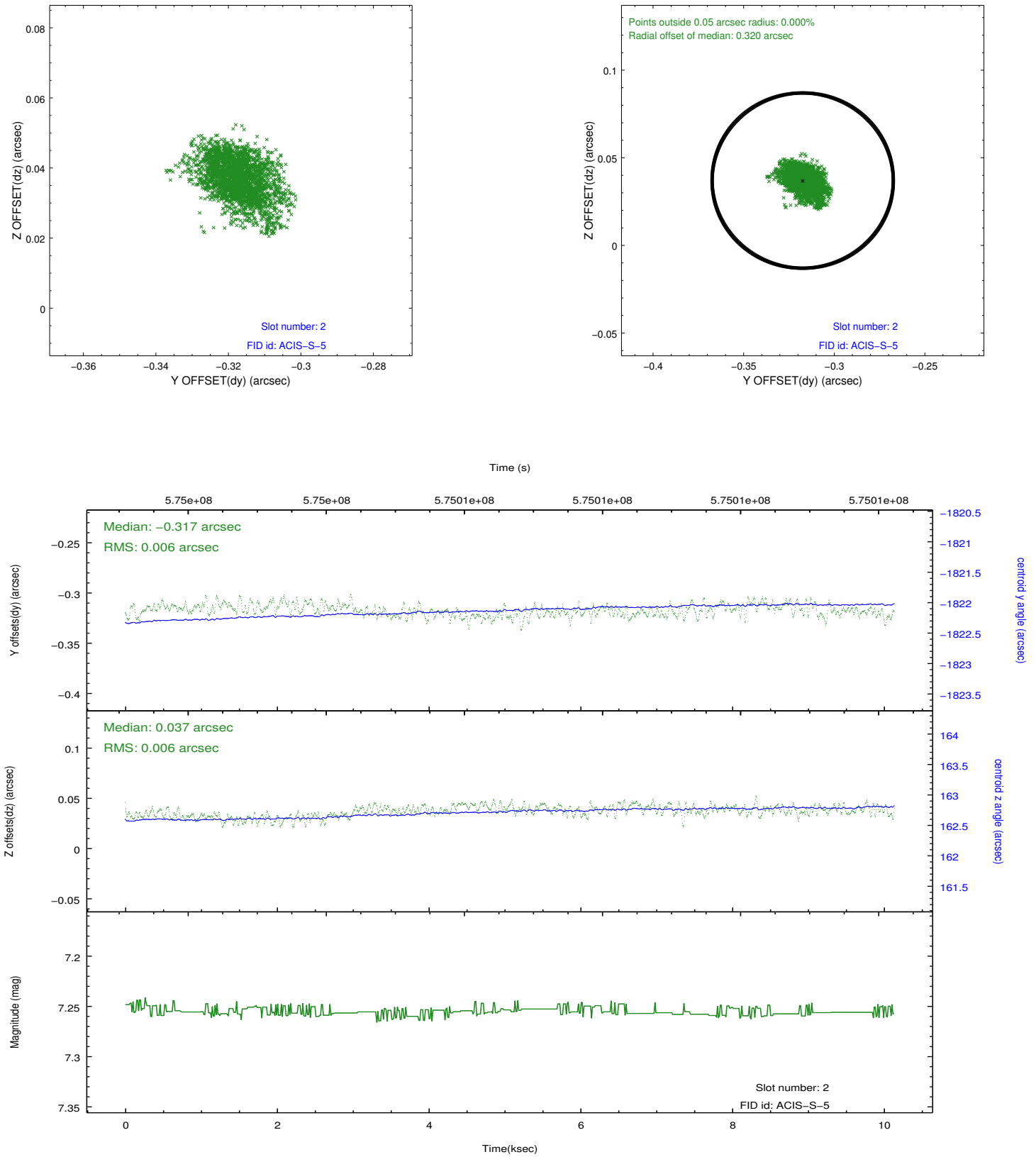
2.5.1 Slot 0



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)	2016.03.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.053300077438

A.2 Comments

Joint proposal with NRAO.