

V&V Reference Report

L2 ASCDS Version : 10.4.3

Observation 18100 - L2 Version 1
Chandra X-Ray Center

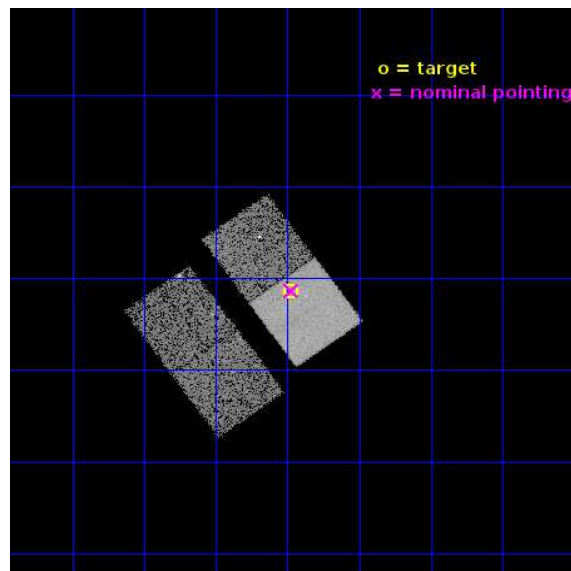
L2 Processing Date : Jan 14 2016

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1 Front

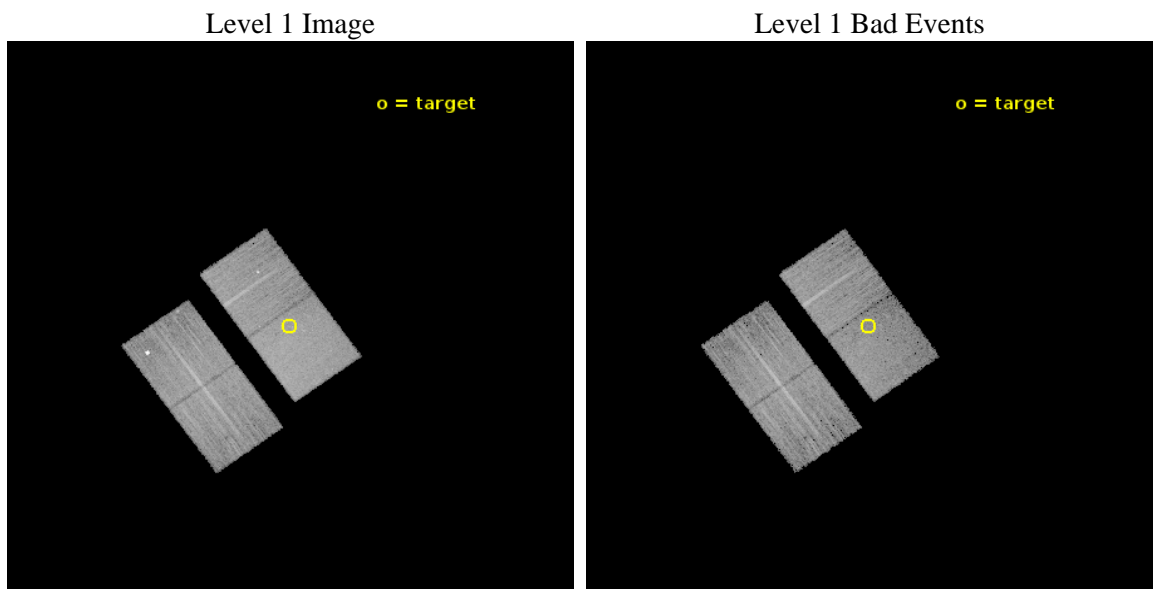
seq_num	703166	Sequence number
obs_id	18100	Observation id
title	Extending the Extragalactic 3CR Chandra Survey to z=1.5	Proposal t
observer	Francesco Massaro	Principal investigator
object	3CR 230	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	147.995	Observer's specified target RA [deg]
dec_targ	-0.024111	Observer's specified target Dec [deg]
ra_nom	147.99311709715	Nominal RA [deg]
dec_nom	-0.022616322674842	Nominal Dec [deg]
roll_nom	54.365703710346	Nominal Roll [deg]
revision	1	Processing version of data
ontime	12514.46825707	Sum of GTIs [s]
livetime	12350.957516273	Livetime [s]
ontime2	12514.345137119	Sum of GTIs [s]
ontime3	12514.386177063	Sum of GTIs [s]
ontime6	12514.427217126	Sum of GTIs [s]
ontime7	12514.46825707	Sum of GTIs [s]
l2events	60825	Number of level 2 events



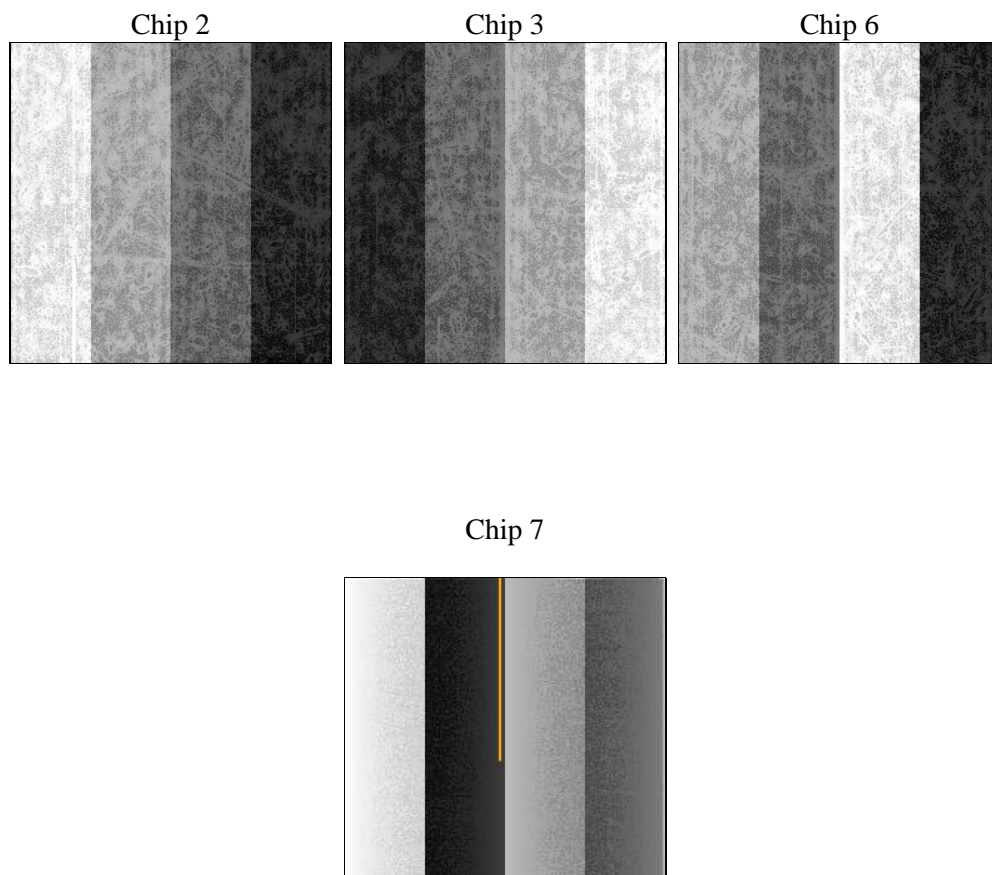
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	12442.561000	[s] Scheduled observation exposure time
ascdsver	10.4.3	Processing system revision	ontime	12514.46825707	Sum of GTIs [s]
caldsver	4.7.0	 	ontime2	12514.345137119	Sum of GTIs [s]
date	2016-01-14T12:04:24	Date and time of file creation	ontime3	12514.386177063	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	12514.427217126	Sum of GTIs [s]
			ontime7	12514.46825707	Sum of GTIs [s]
			l1events	314245	Number of level 1 events

2.1.4 Events

	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	74272	71305	74091	94577
rejected events	62642	63685	65050	54169
rejected %	84%	89%	87%	57%

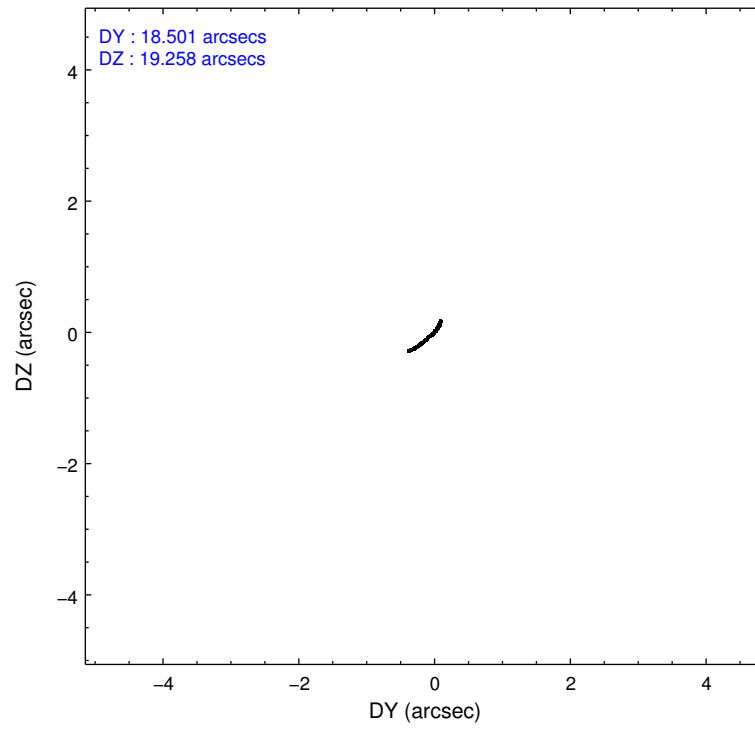
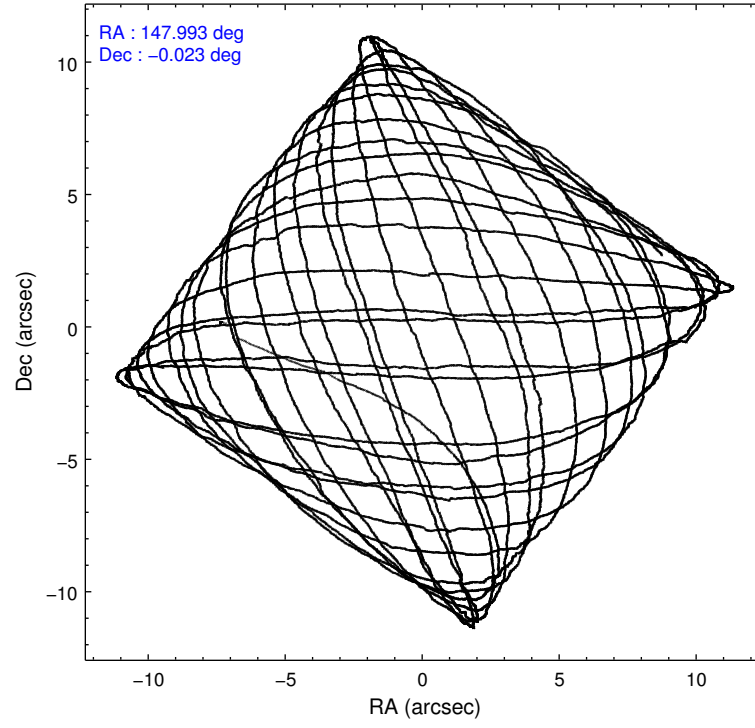
	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	6750	2631	3204	3250
	9%	3%	4%	3%
grade 1 events	55	51	27	105
	0%	0%	0%	0%
grade 2 events	1818	1560	2125	8542
	2%	2%	2%	9%
grade 3 events	815	858	741	3057
	1%	1%	1%	3%
grade 4 events	787	838	841	3035
	1%	1%	1%	3%
grade 5 events	3033	3601	3494	9217
	4%	5%	4%	9%
grade 6 events	1463	1740	2133	22536
	1%	2%	2%	23%
grade 7 events	59551	60026	61526	44835
	80%	84%	83%	47%

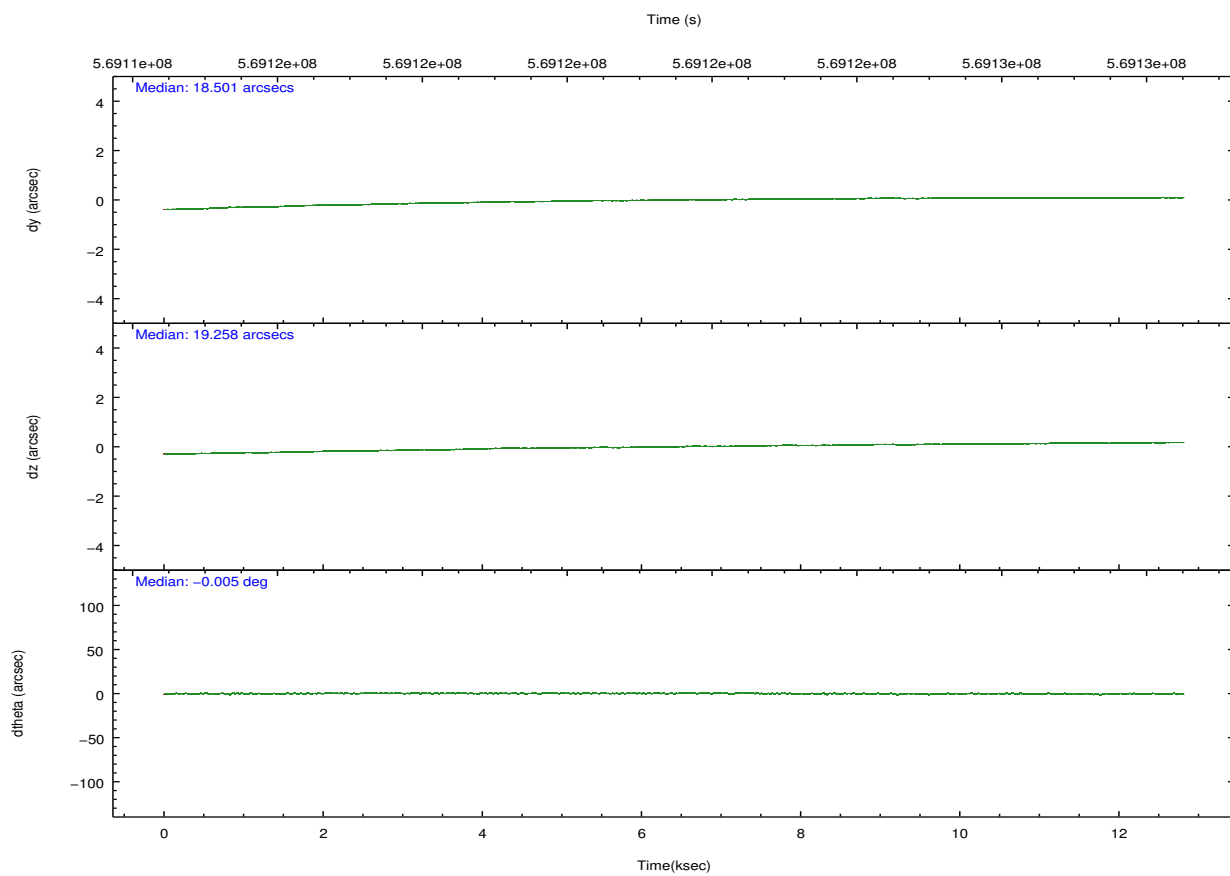
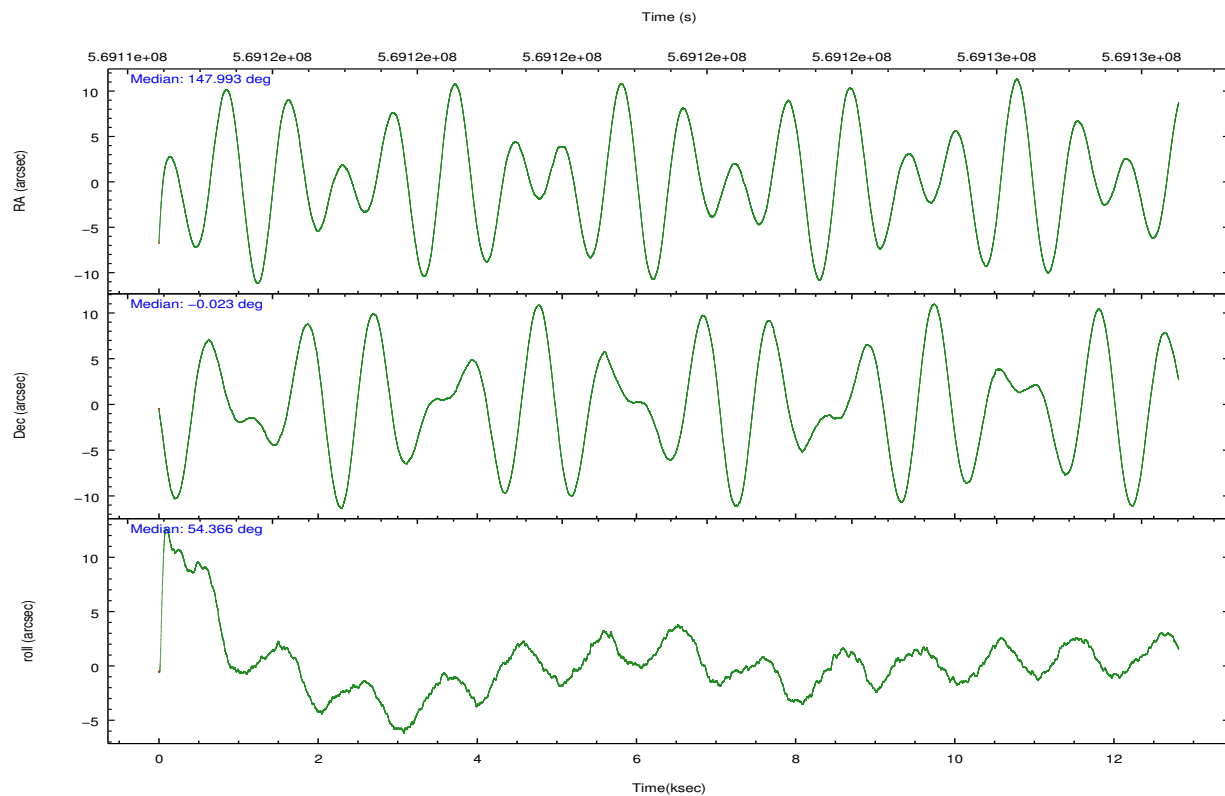
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-2367	ACIS-2367
Grating	NONE	NONE
Data mode	VFAINT	VFAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	147.990803	147.9931170971545
[deg] Pointing Dec	-0.049951	-0.02261632267484196
[deg] Pointing Roll	54.209088	54.36570371034601
[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)	569115443.184000	569114470.9285001
Observation start date	2016-01-13T23:36:15	2016-01-13T23:21:10
[s] Observation end time (MET)	569127885.184000	569128111.11677
Observation end date	2016-01-14T03:03:37	2016-01-14T03:08:31
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	O1	Y
CCD I3 on	O2	Y
CCD S0 on	N	N
CCD S1 on	N	N
CCD S2 on	Y	Y
CCD S3 on	Y	Y
CCD S4 on	N	N
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



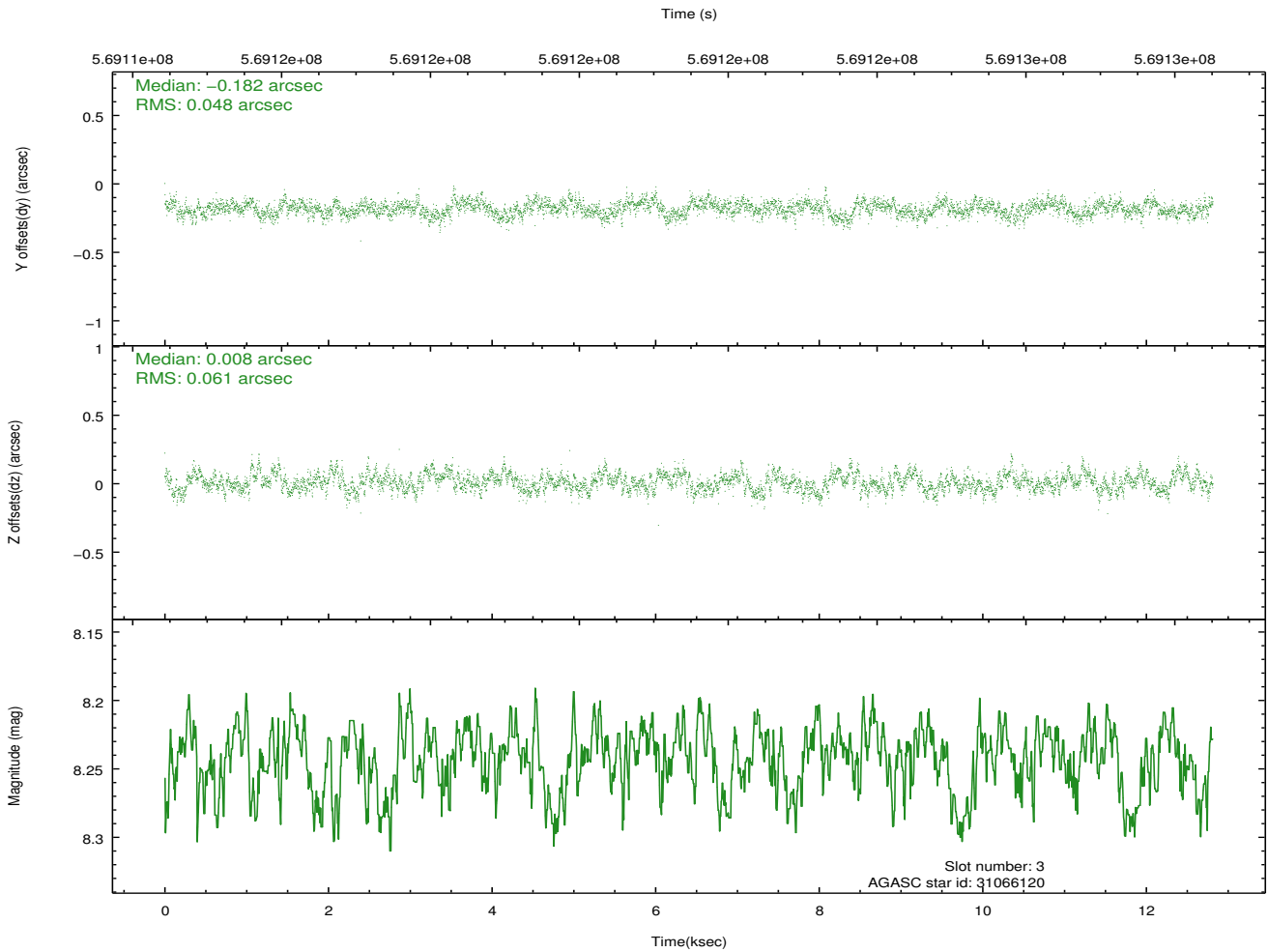
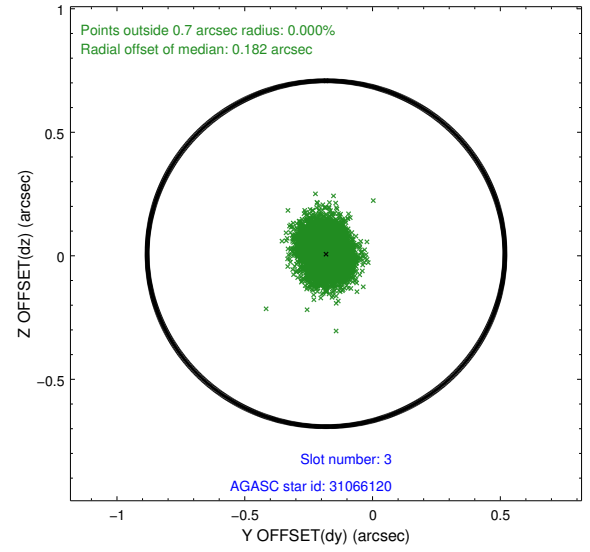
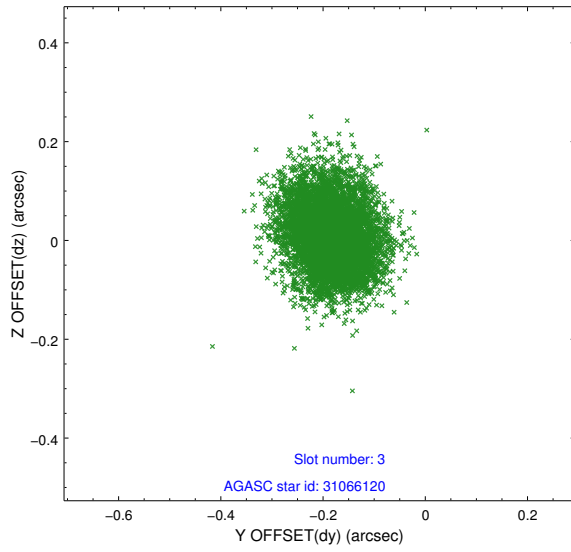


Slot Statistics

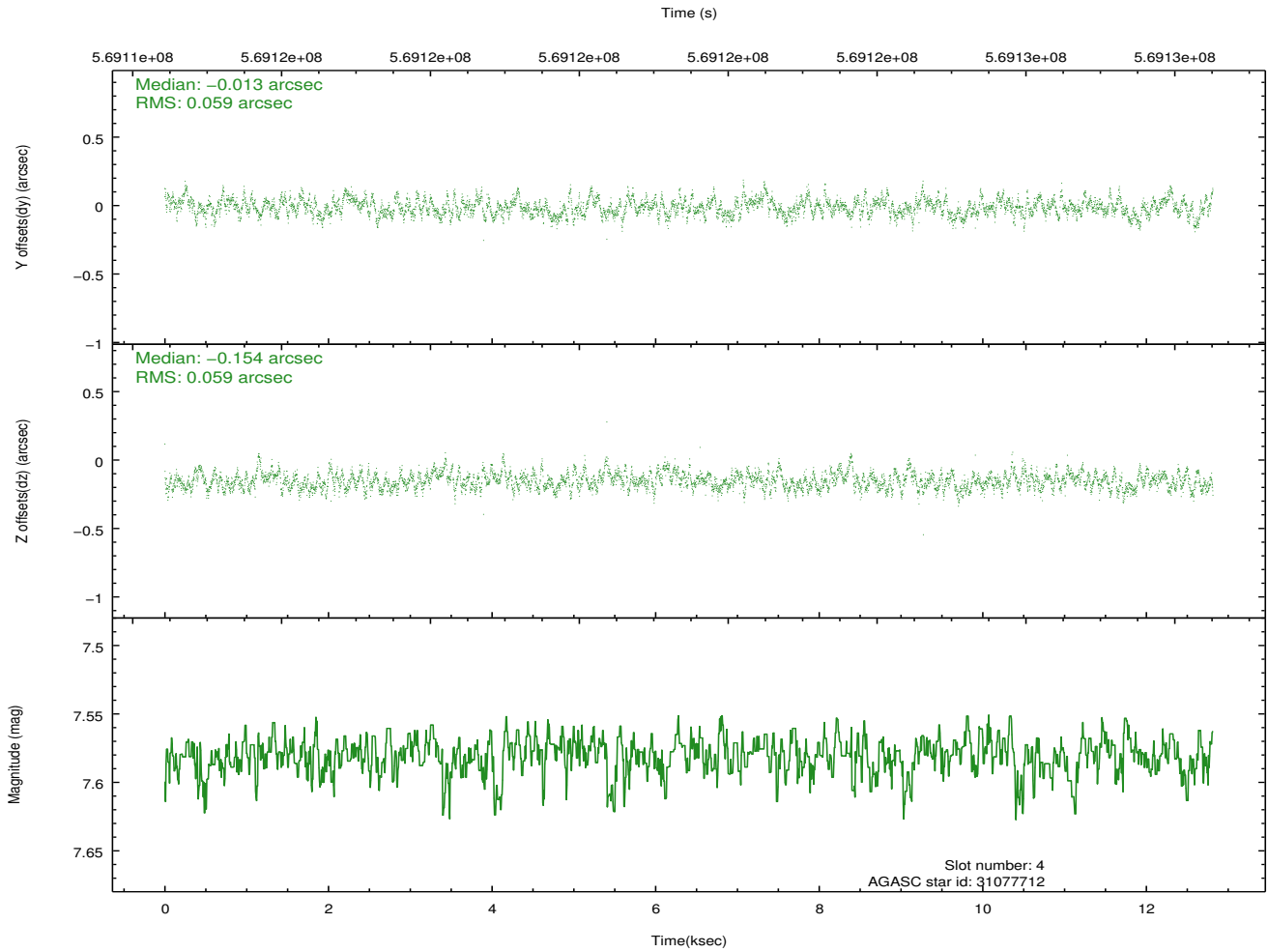
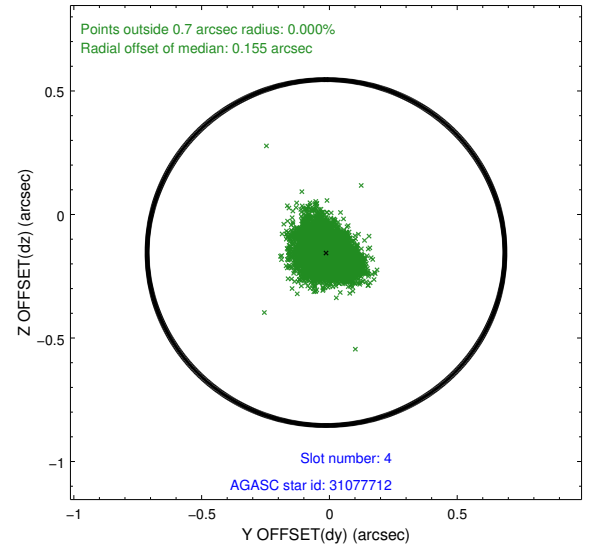
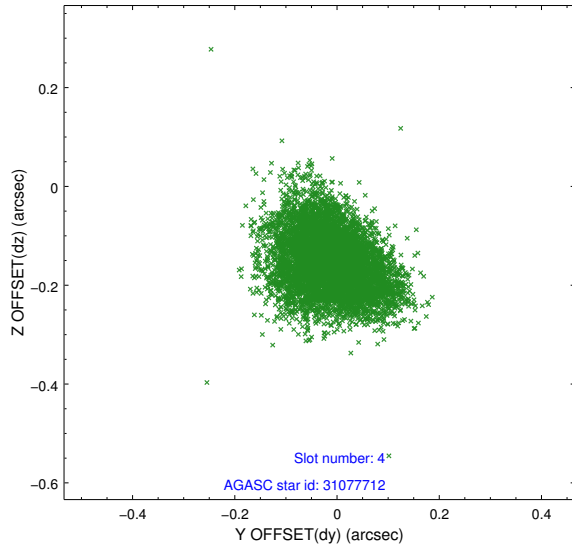
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.13	3126	-0.182	-0.139	0.016	0.023	0.000000	0.000000	-771.68	-1740.82
1	FID		ACIS-S-4	7.23	3126	0.455	0.125	0.011	0.021	0.000000	0.000000	2142.04	167.55
2	FID		ACIS-S-5	7.24	3126	-0.304	0.025	0.013	0.019	0.000000	0.000000	-1824.17	161.52
3	GUIDE	used	31066120	8.24	6249	-0.182	0.008	0.083	0.133	147.834053	0.310195	721.62	1216.11
4	GUIDE	used	31077712	7.58	6250	-0.013	-0.154	0.089	0.144	147.554552	0.104470	-467.44	1600.17
5	GUIDE	used	31079088	6.28	6252	0.054	-0.166	0.101	0.163	148.049930	0.075615	490.67	92.06
6	GUIDE	used	641739728	9.05	6249	0.082	0.457	0.138	0.216	147.794486	-0.162815	-742.64	336.25
7	GUIDE	used	641742536	6.97	6251	0.068	-0.135	0.098	0.164	147.550899	-0.228487	-1447.89	908.97

2.4 Star Slots

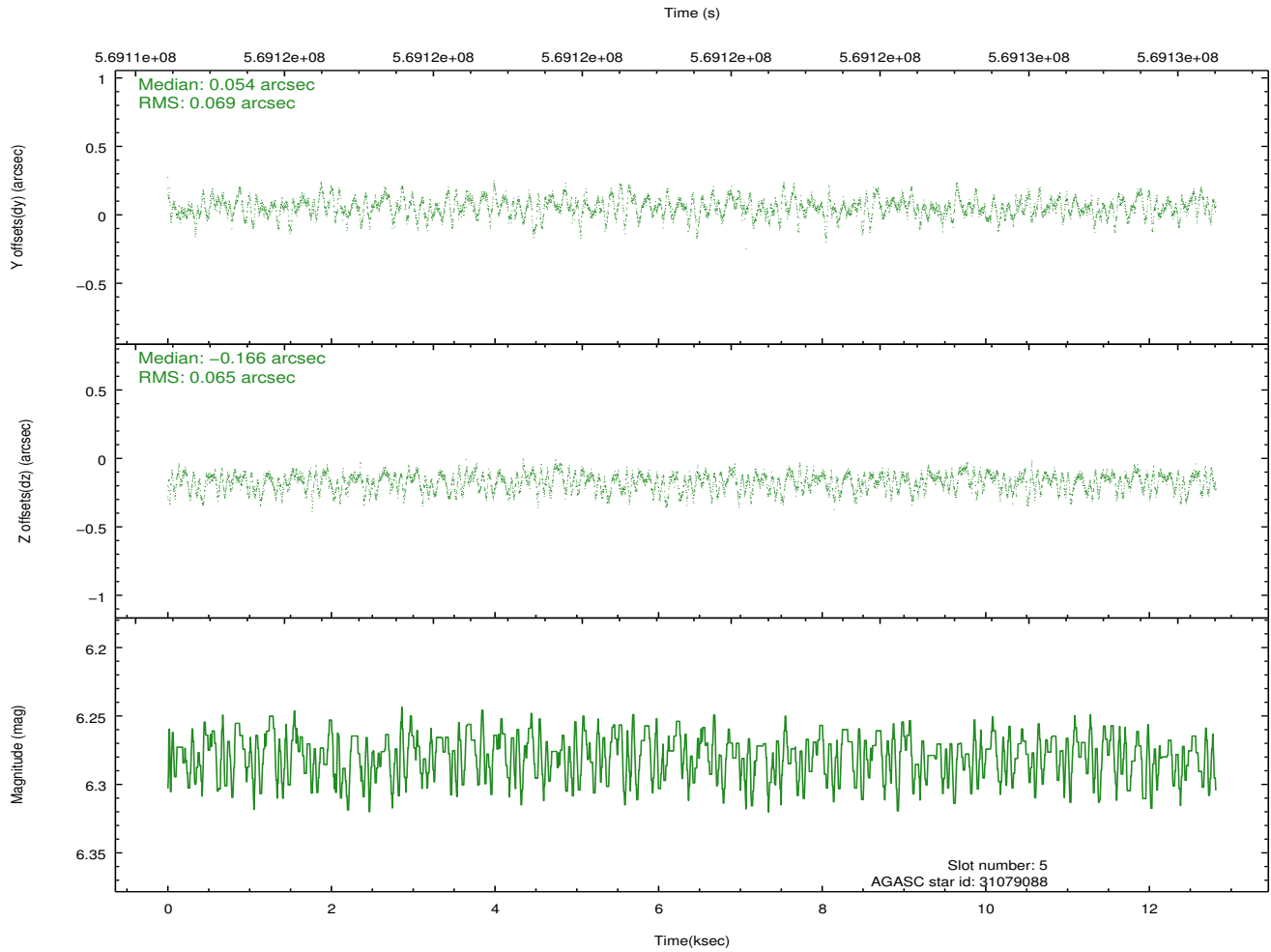
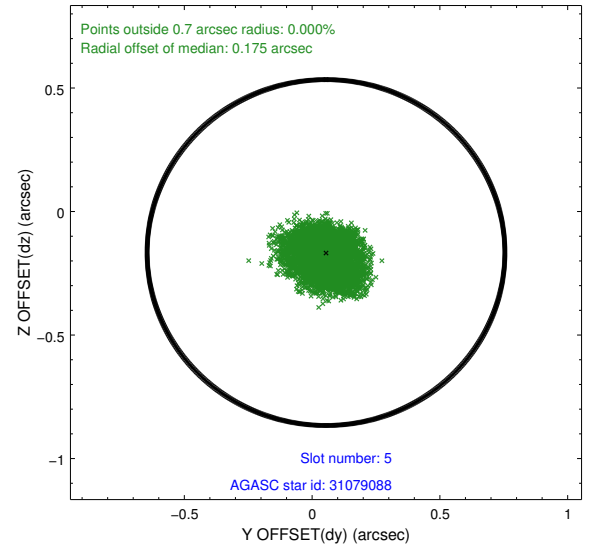
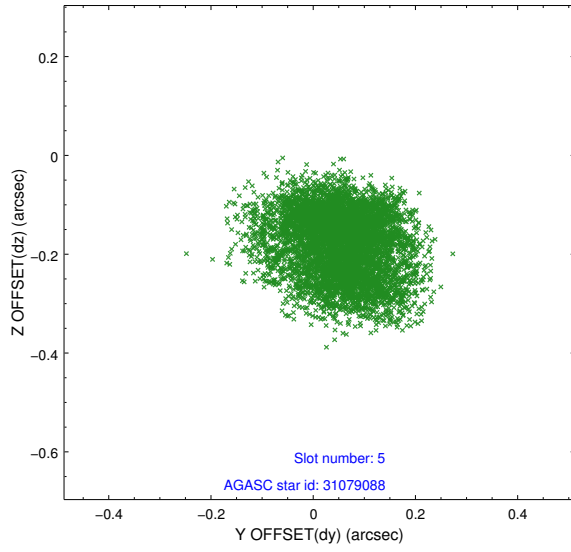
2.4.1 Slot 3



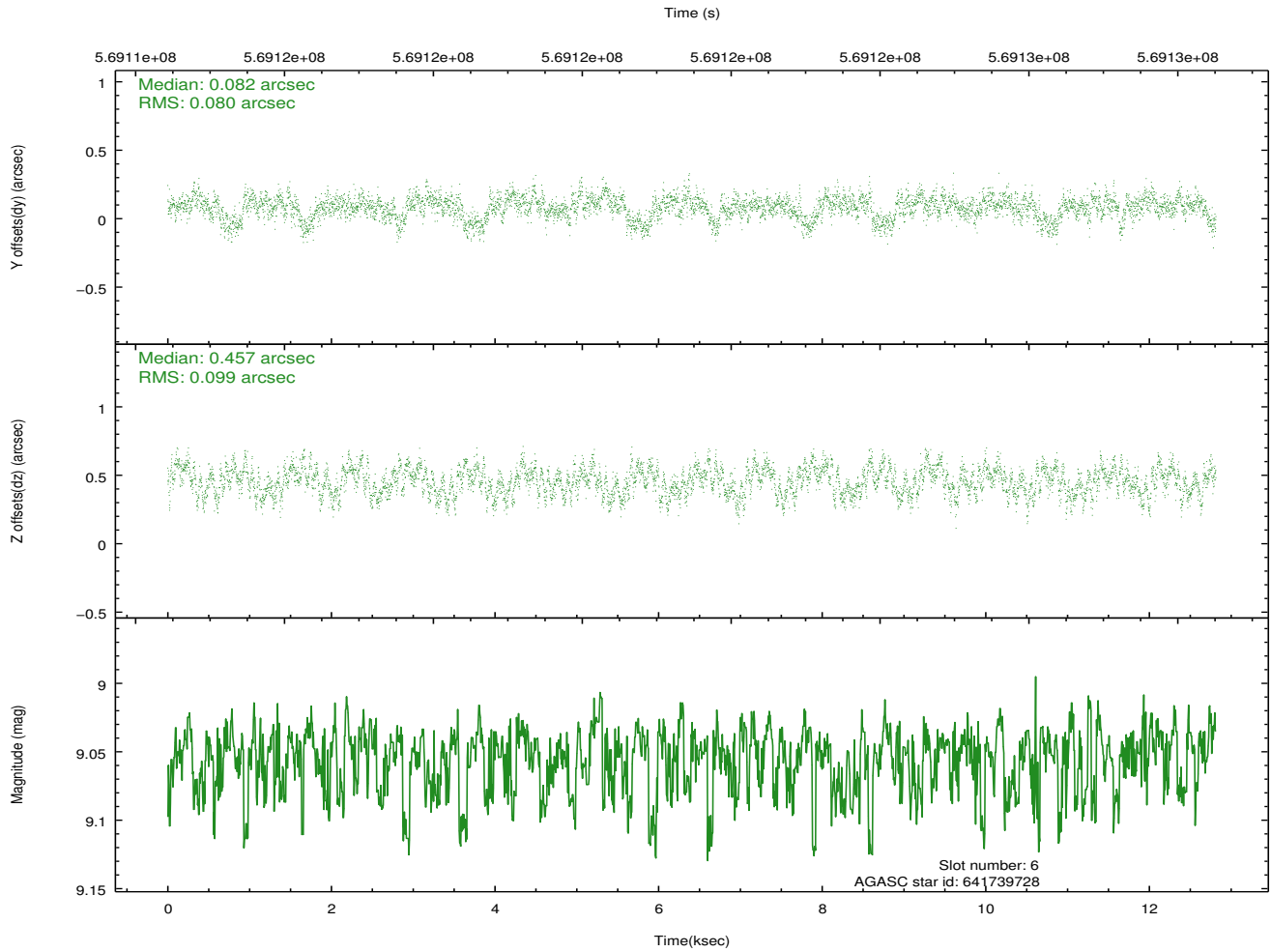
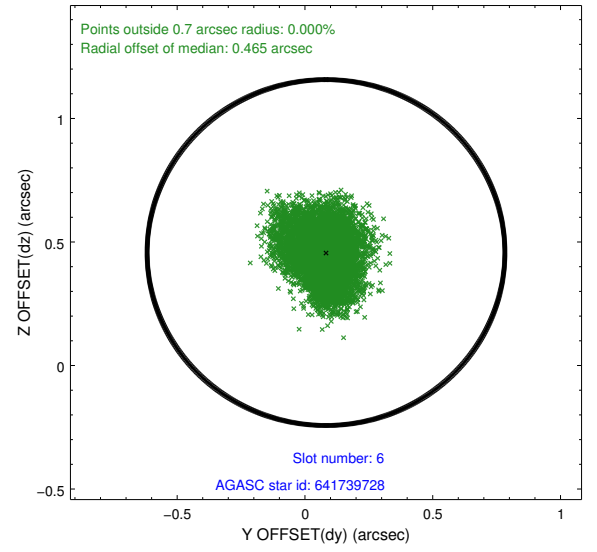
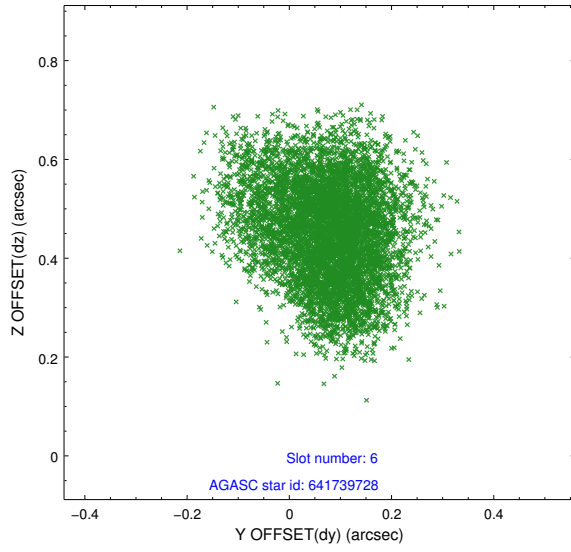
2.4.2 Slot 4



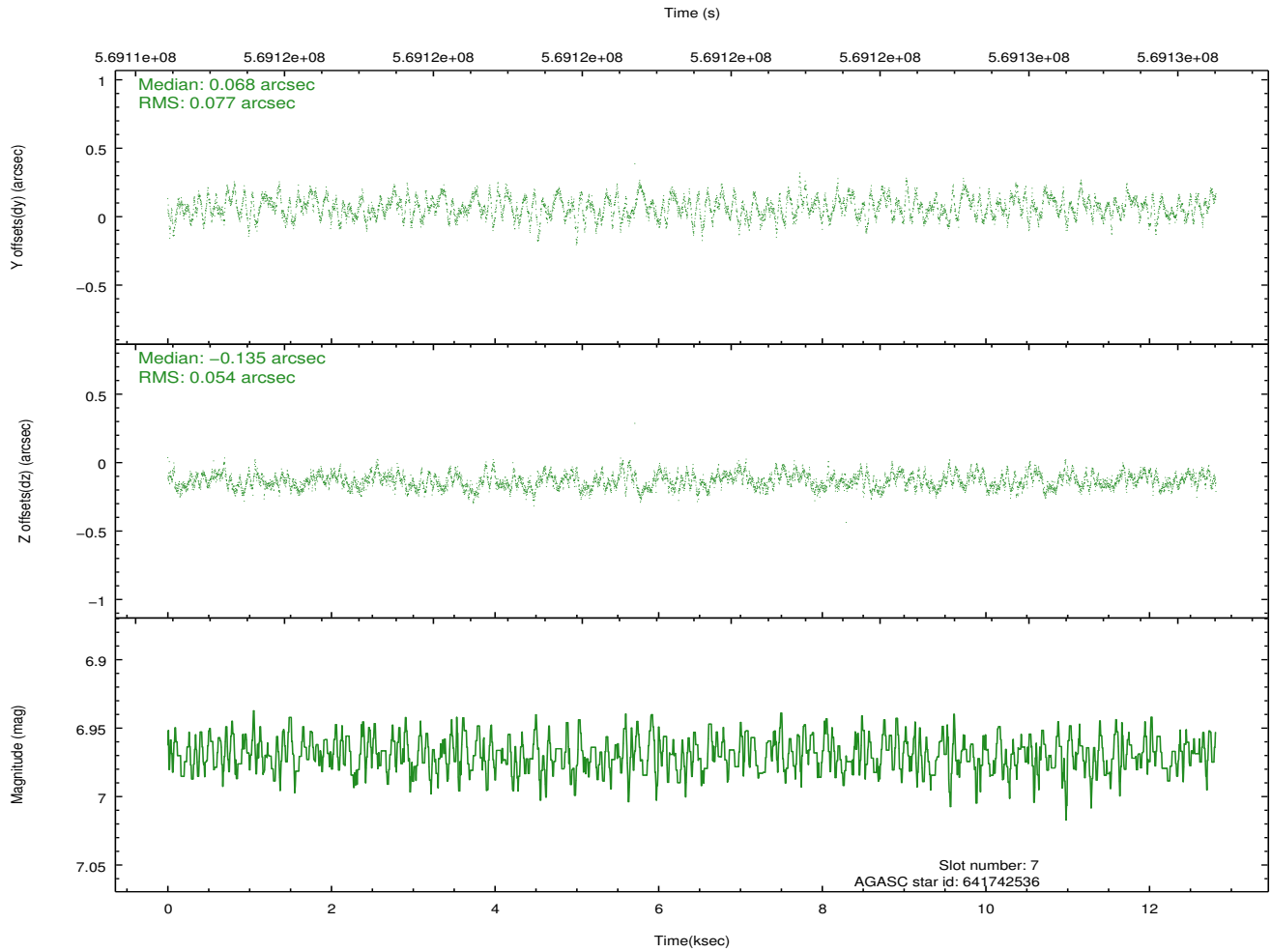
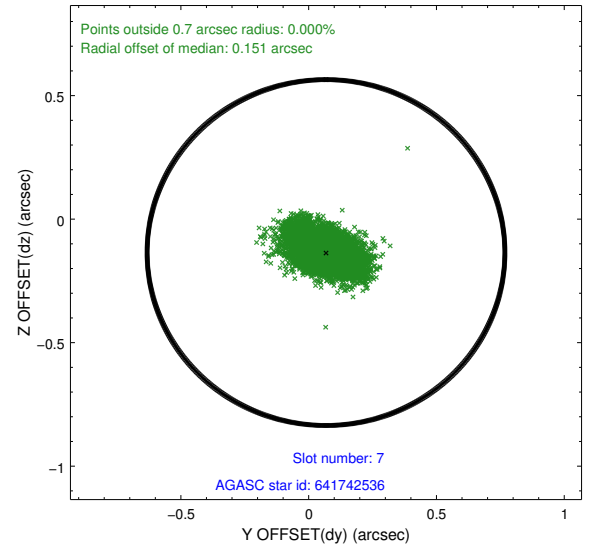
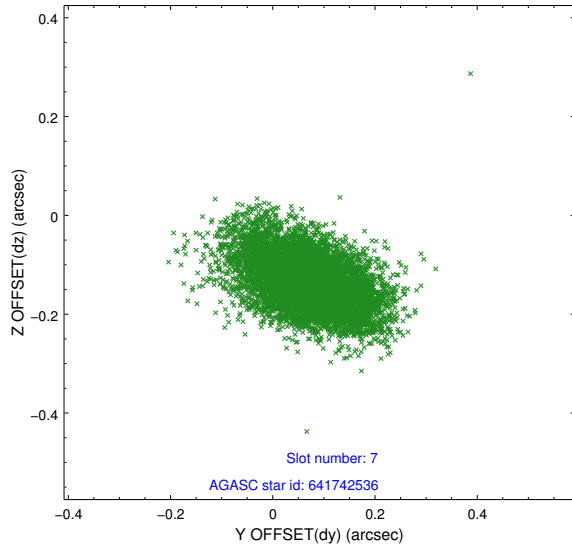
2.4.3 Slot 5



2.4.4 Slot 6

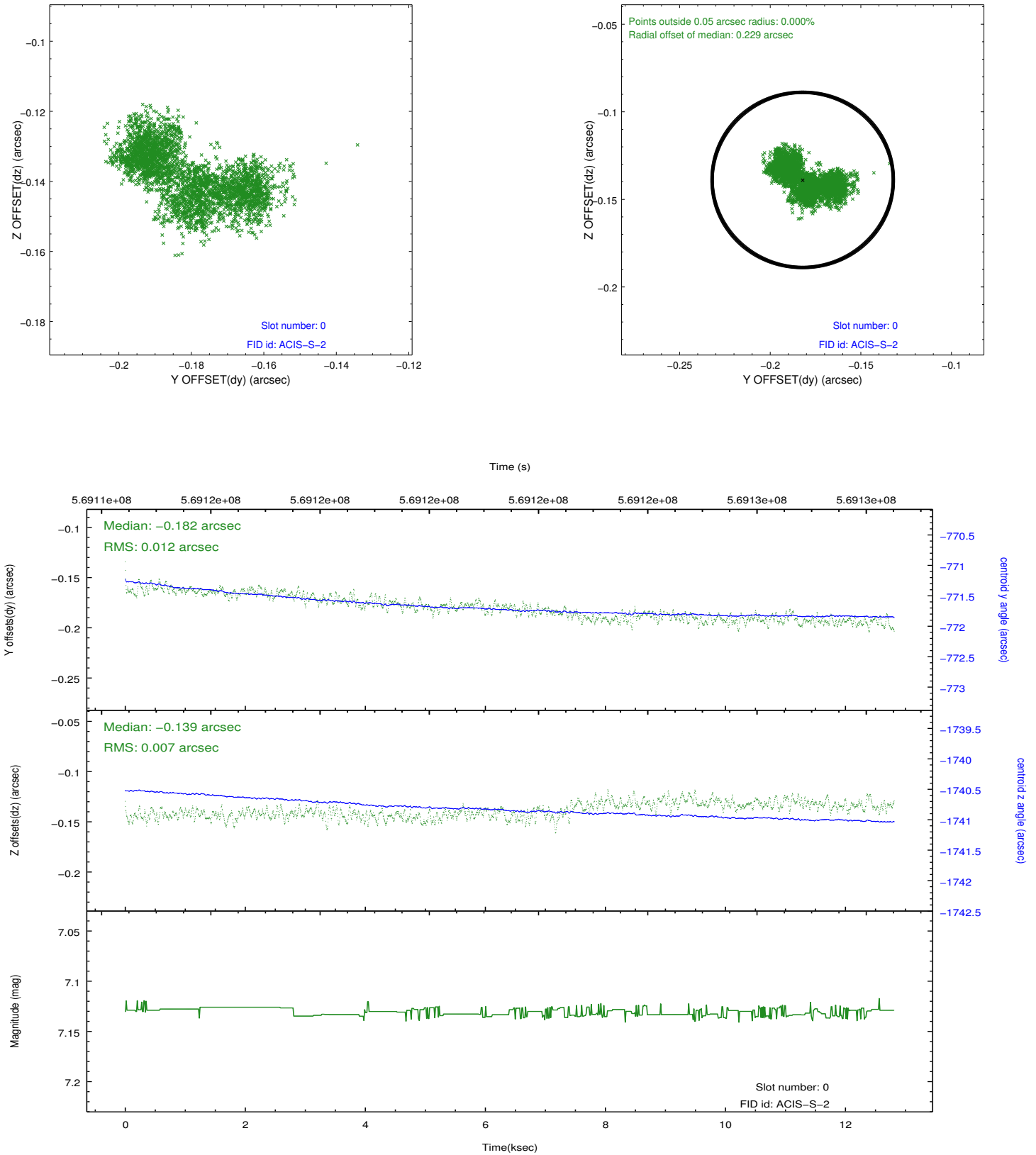


2.4.5 Slot 7

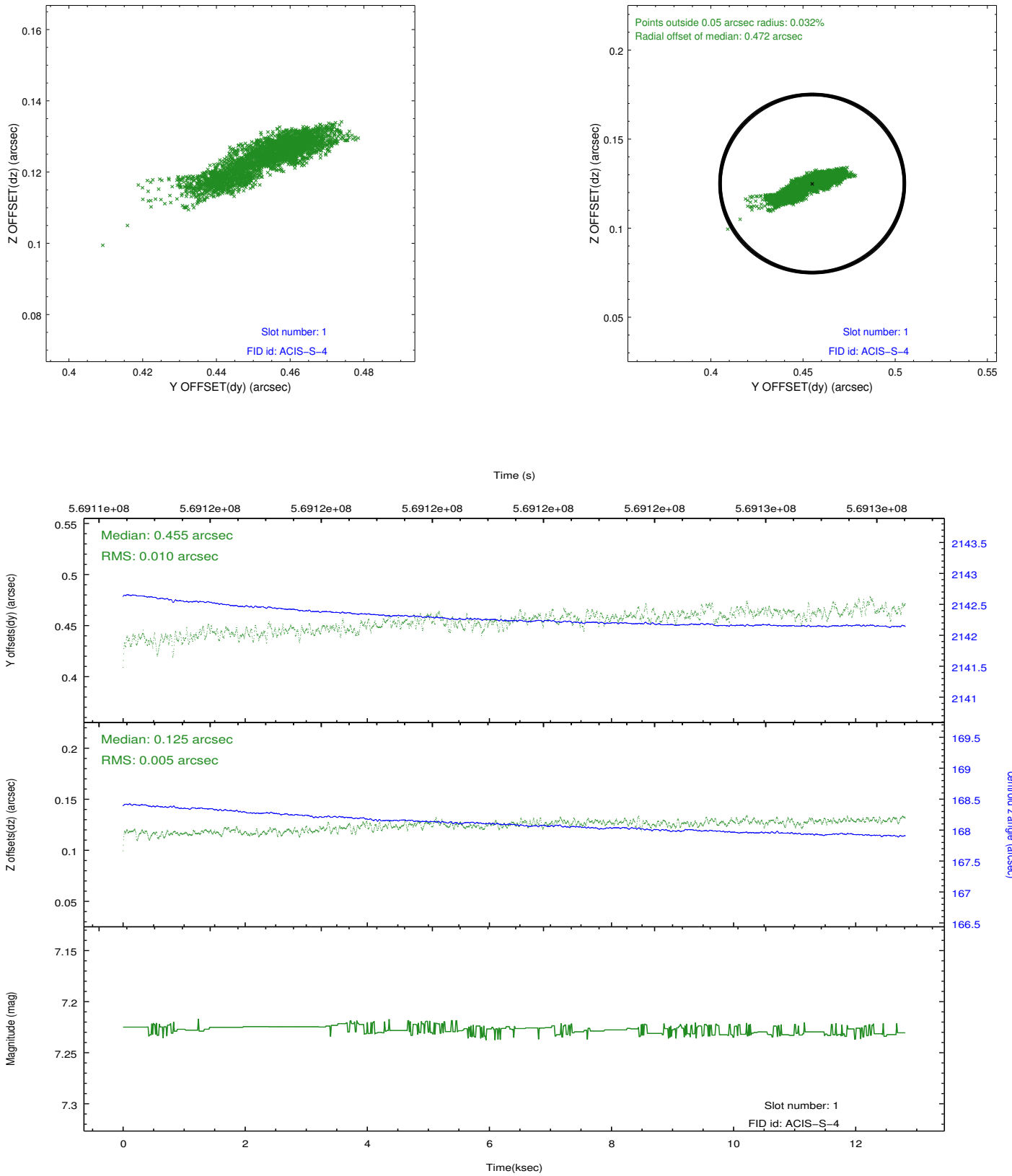


2.5 FID Slots

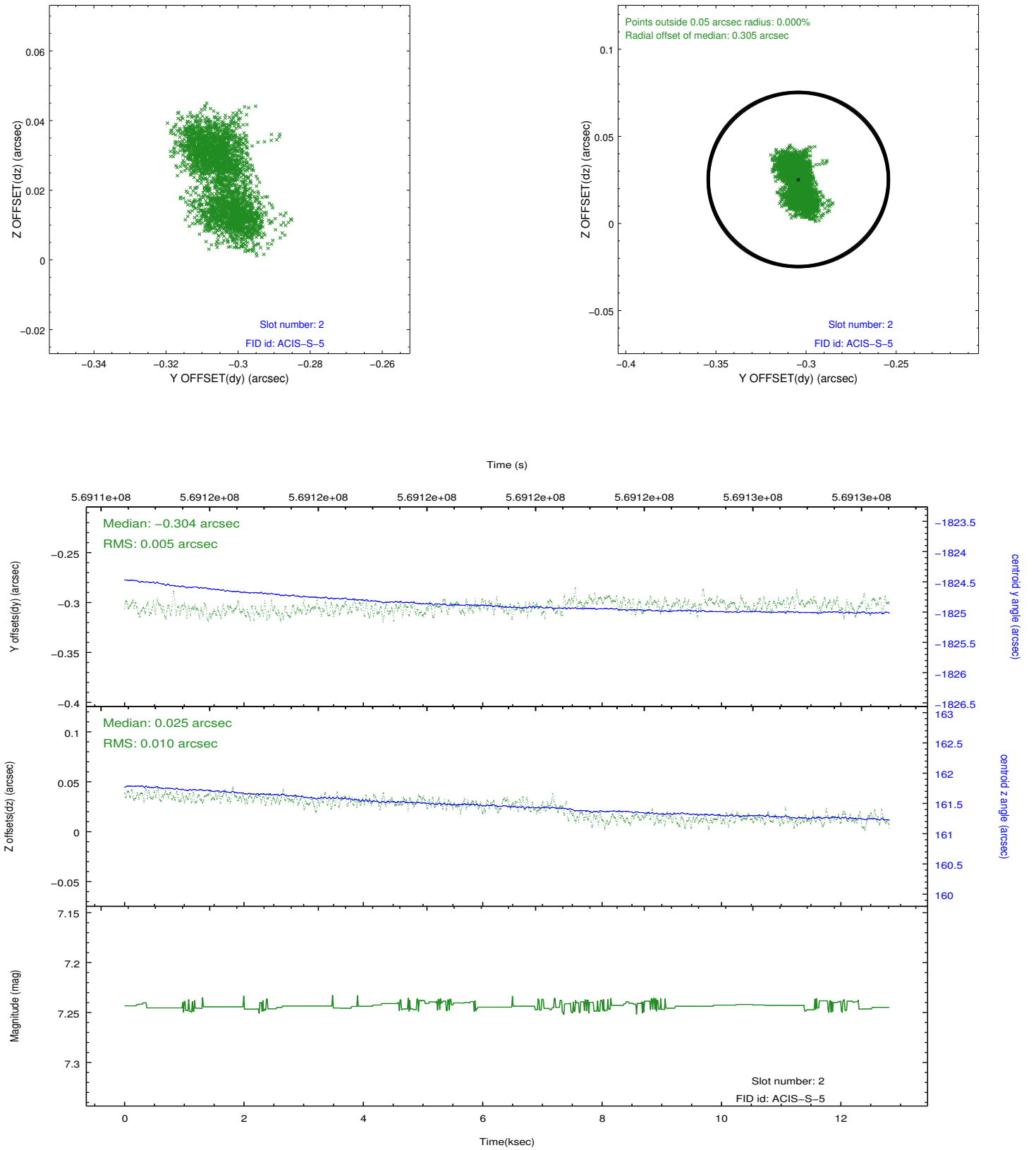
2.5.1 Slot 0



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)	2016.01.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	12.51446825707

A.2 Comments