

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 70 - L2 Version 4
Chandra X-Ray Center

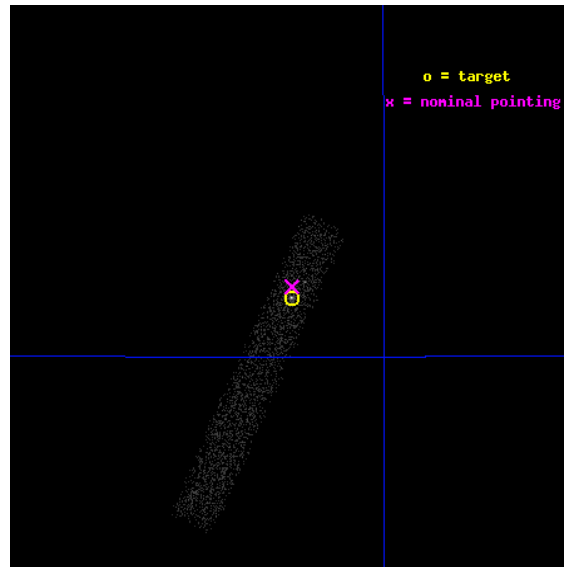
L2 Processing Date : Aug 24 2012

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1 Front

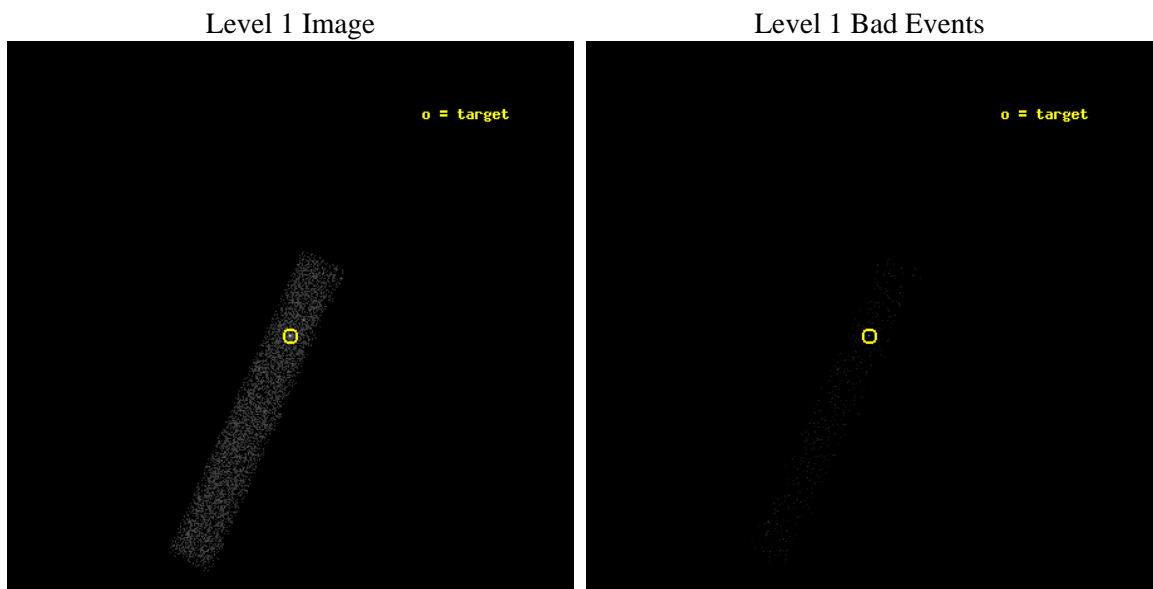
seq_num	790041	Sequence number
obs_id	70	Observation id
title	 	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	PG1634+706	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	248.620833	Observer's specified target RA [deg]
dec_targ	70.525556	Observer's specified target Dec [deg]
ra_nom	248.62067307548	Nominal RA [deg]
dec_nom	70.530348398178	Nominal Dec [deg]
roll_nom	114.2276456096	Nominal Roll [deg]
revision	4	Processing version of data
ontime	5358.0000798404	Sum of GTIs [s]
livetime	4859.4232539819	Livetime [s]
ontime7	5358.0000798404	Sum of GTIs [s]
l2events	4732	Number of level 2 events



2 OBI

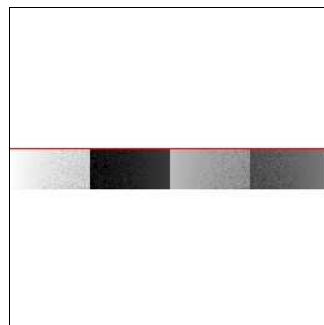
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	2	Obi number	sched_exp_time	5500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	5358.0000798404	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime7	5358.0000798404	Sum of GTIs [s]
date	2012-08-24T16:03:22	Date and time of file creation	l1events	8295	Number of level 1 events
revision	4	Processing version of data			

2.1.4 Events

	ccd 7
level 1 events	8295
rejected events	3342
rejected %	40%

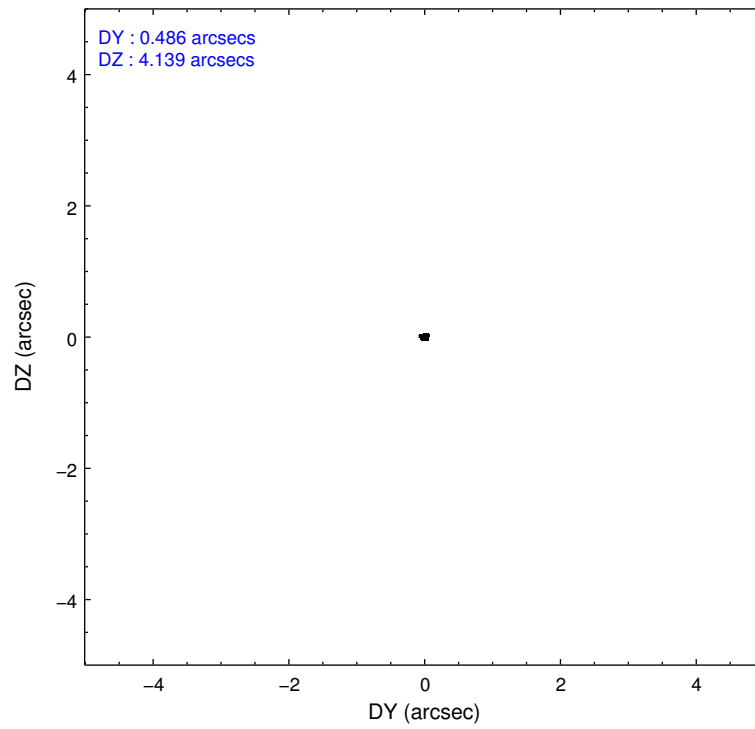
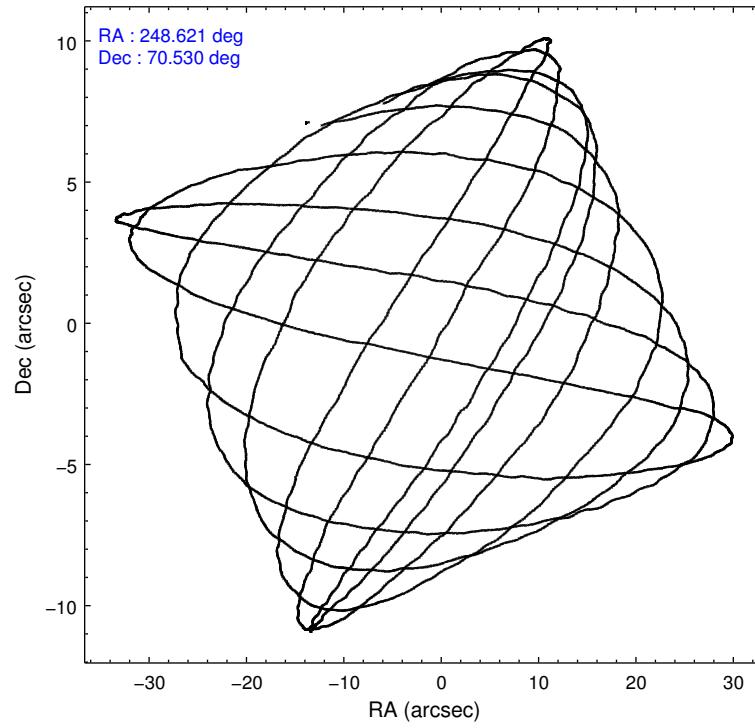
	ccd 7
grade 0 events	1012
	12%
grade 1 events	17
	0%
grade 2 events	1053
	12%
grade 3 events	633
	7%
grade 4 events	563
	6%
grade 5 events	561
	6%
grade 6 events	1692
	20%
grade 7 events	2764
	33%

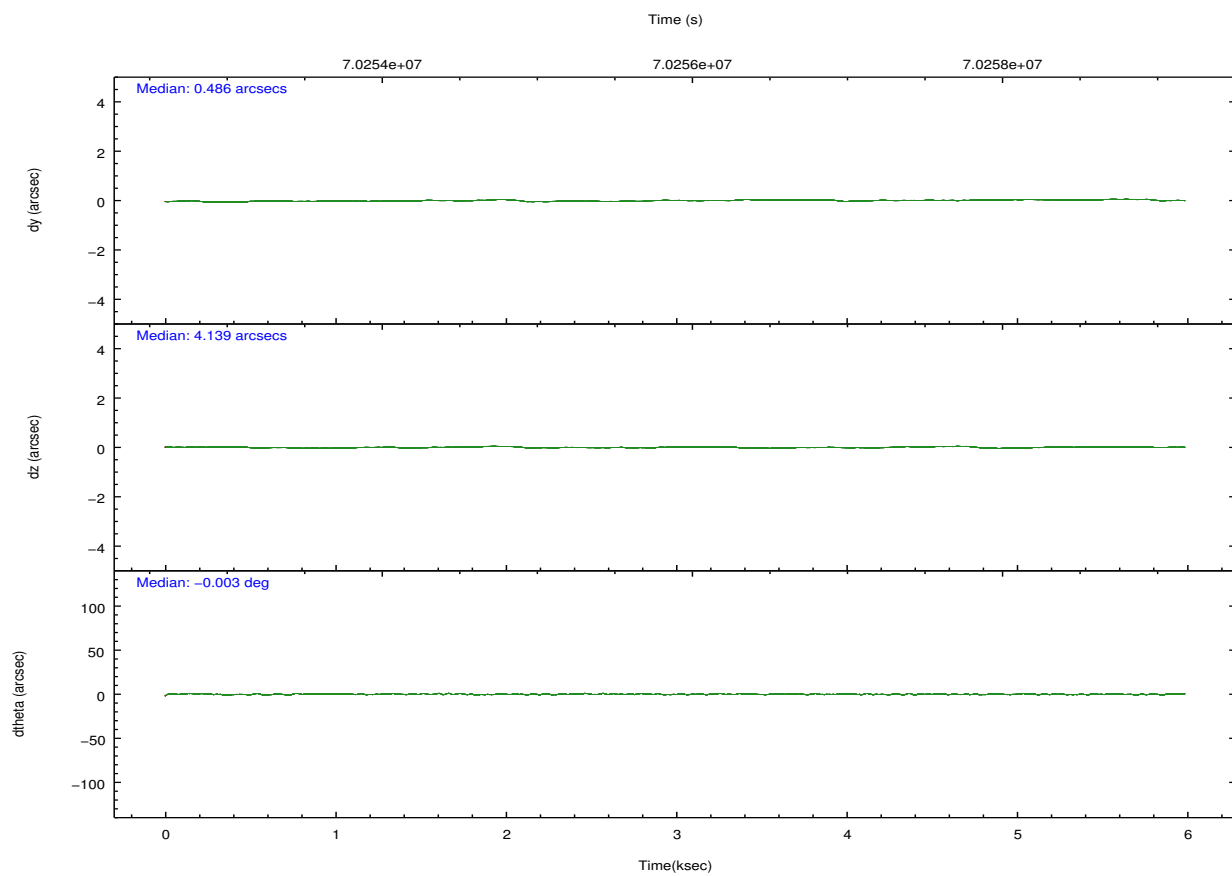
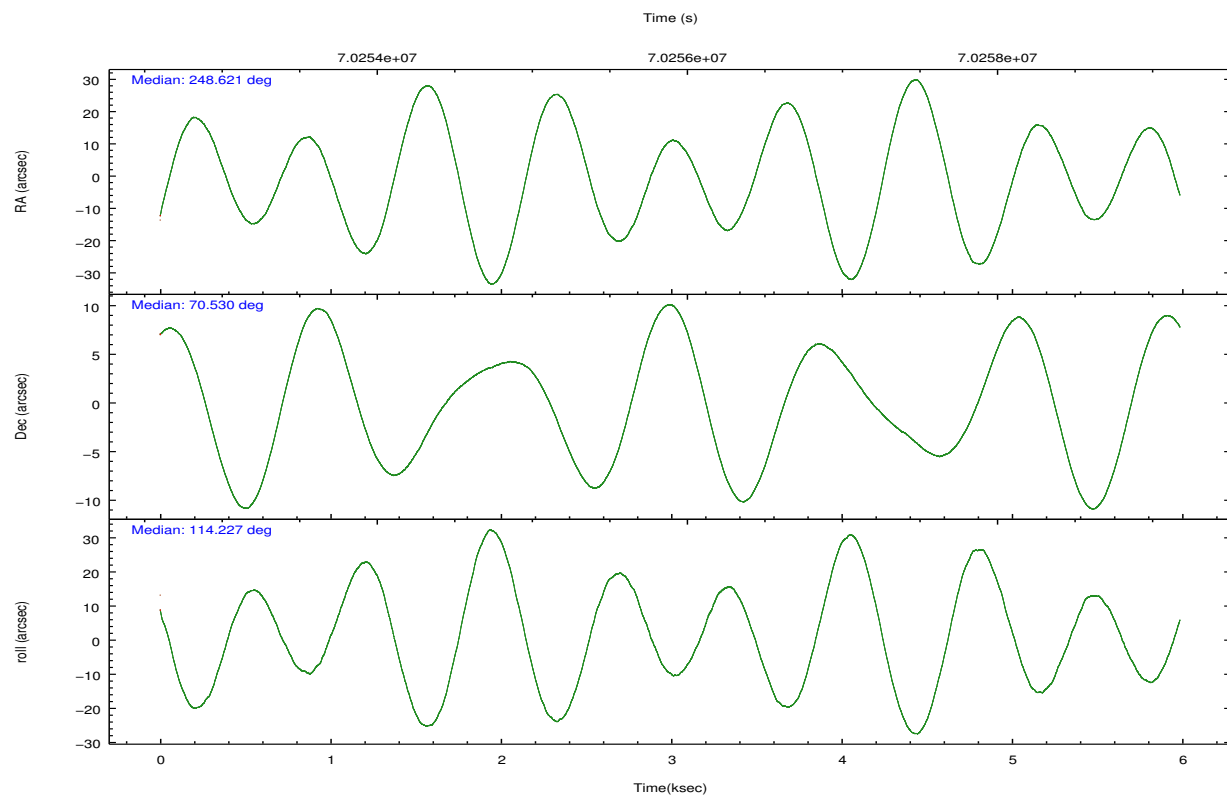
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-7	ACIS-7
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	248.687360	248.6206730754819
[deg] Pointing Dec	70.514287	70.53034839817815
[deg] Pointing Roll	114.008150	114.2276456095993
[mm] SIM focus pos	-0.584267	-0.584391846001283
[mm] SIM defocus	0.1	0.09987561529861322
[mm] SIM translation stage pos	-190.132523	-190.1425803651734
[mm] SIM translation stage offset	0	0.01005778216563158
[s] Observation start time (MET)	70253379.184000	70252713.113381
Observation start date	2000-03-24T02:48:35	2000-03-24T02:38:33
[s] Observation end time (MET)	70258879.184000	70259012.763612
Observation end date	2000-03-24T04:20:15	2000-03-24T04:23:32
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	CUSTOM	1/8
Subarray start row	447	447
Subarray row count	128	128
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	0.4

2.3 Aspect



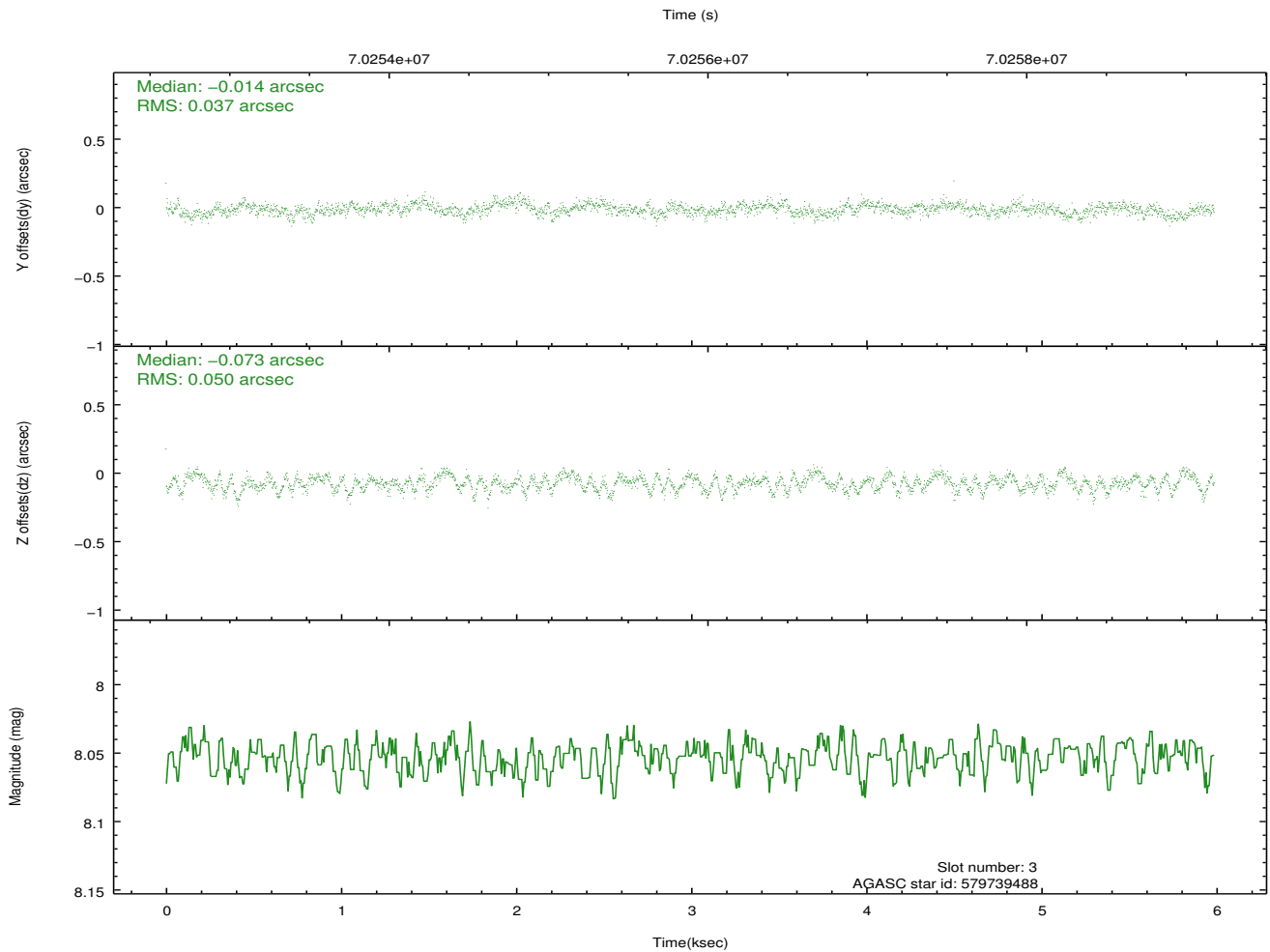
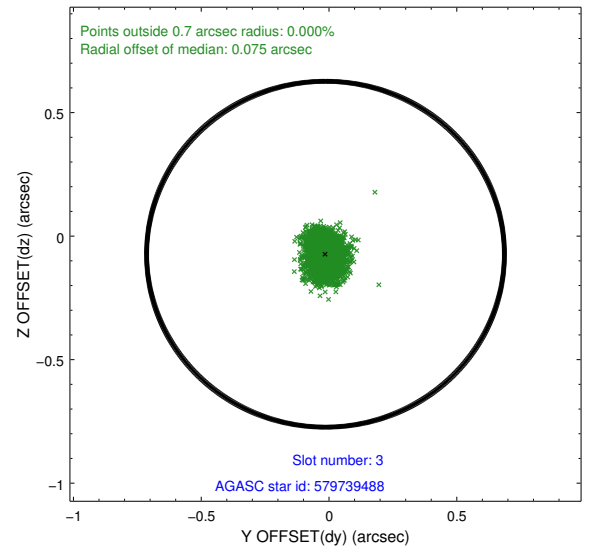
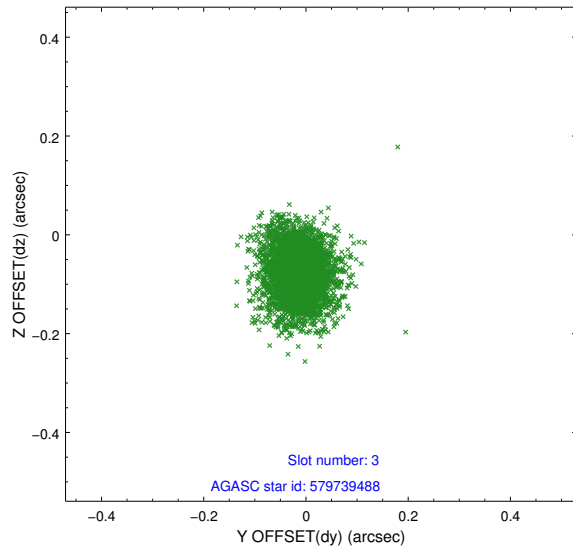


Slot Statistics

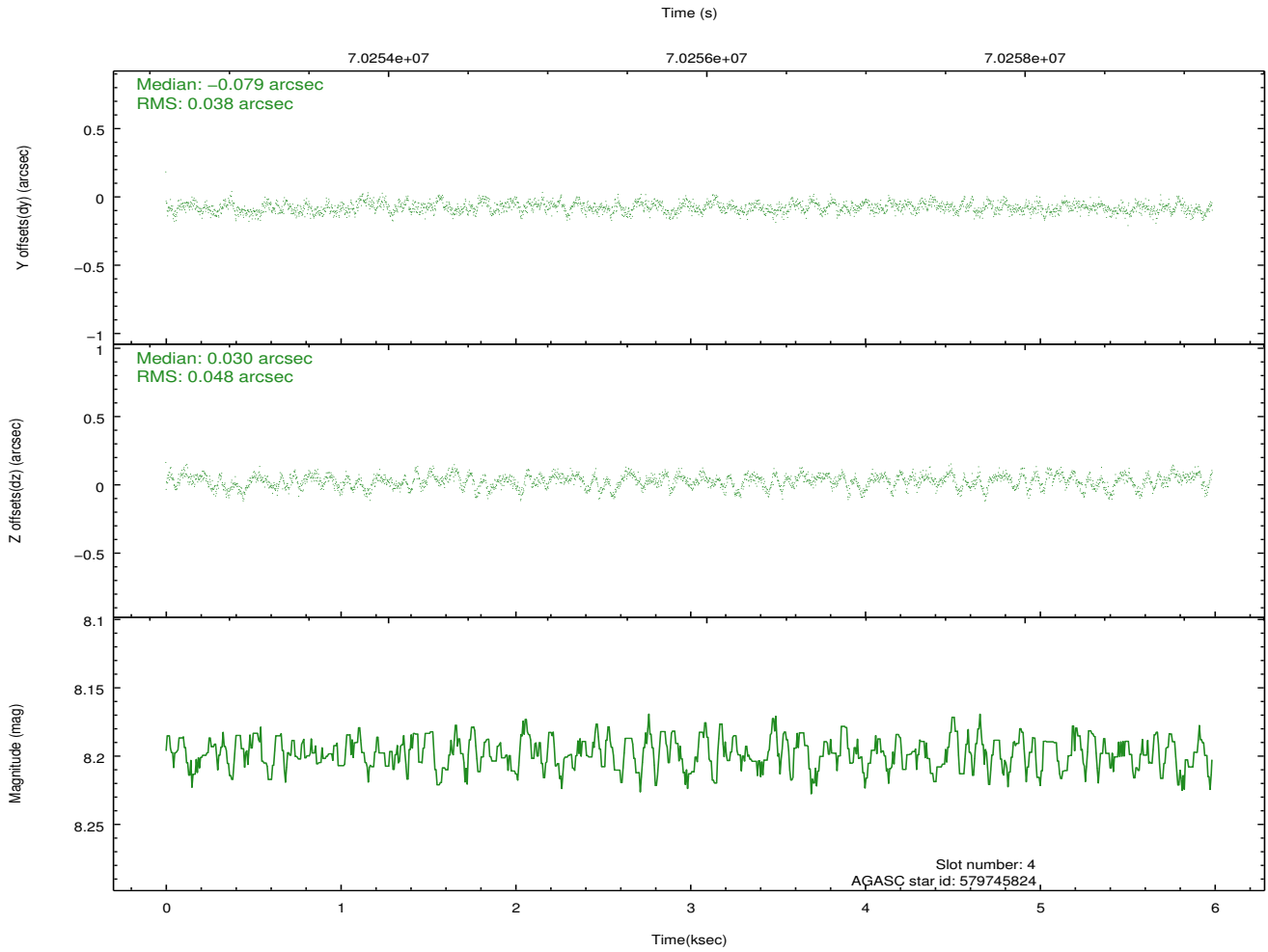
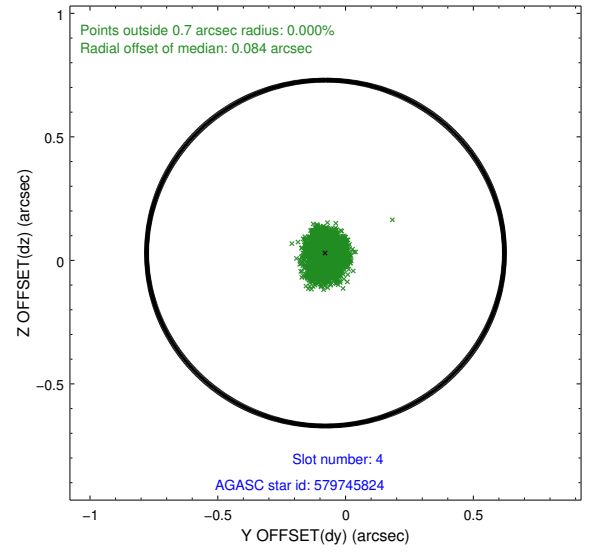
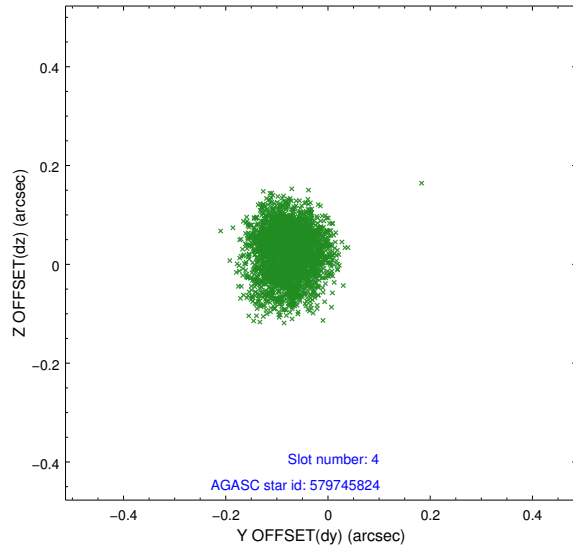
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1461	-0.014	-0.012	0.007	0.011	0.000000	0.000000	-753.11	-1725.19
1	FID	ACIS-S-4	7.21	1461	0.014	0.010	0.006	0.011	0.000000	0.000000	2159.81	182.26
2	FID	ACIS-S-5	7.24	1459	-0.031	0.011	0.007	0.012	0.000000	0.000000	-1804.67	177.13
3	GUIDE	579739488	8.05	2920	-0.014	-0.073	0.066	0.108	248.280801	70.616878	536.58	292.66
4	GUIDE	579745824	8.20	2921	-0.079	0.030	0.065	0.104	250.088877	70.237575	-1585.89	-1160.92
5	GUIDE	579737248	8.22	2921	0.052	-0.098	0.056	0.088	248.298145	70.578372	401.30	330.57
6	GUIDE	579742240	9.57	2918	0.095	0.100	0.112	0.173	248.342106	71.104022	2104.53	-496.44
7	GUIDE	579743712	9.50	2917	-0.054	0.050	0.084	0.134	248.638856	70.070449	-1434.59	704.27

2.4 Star Slots

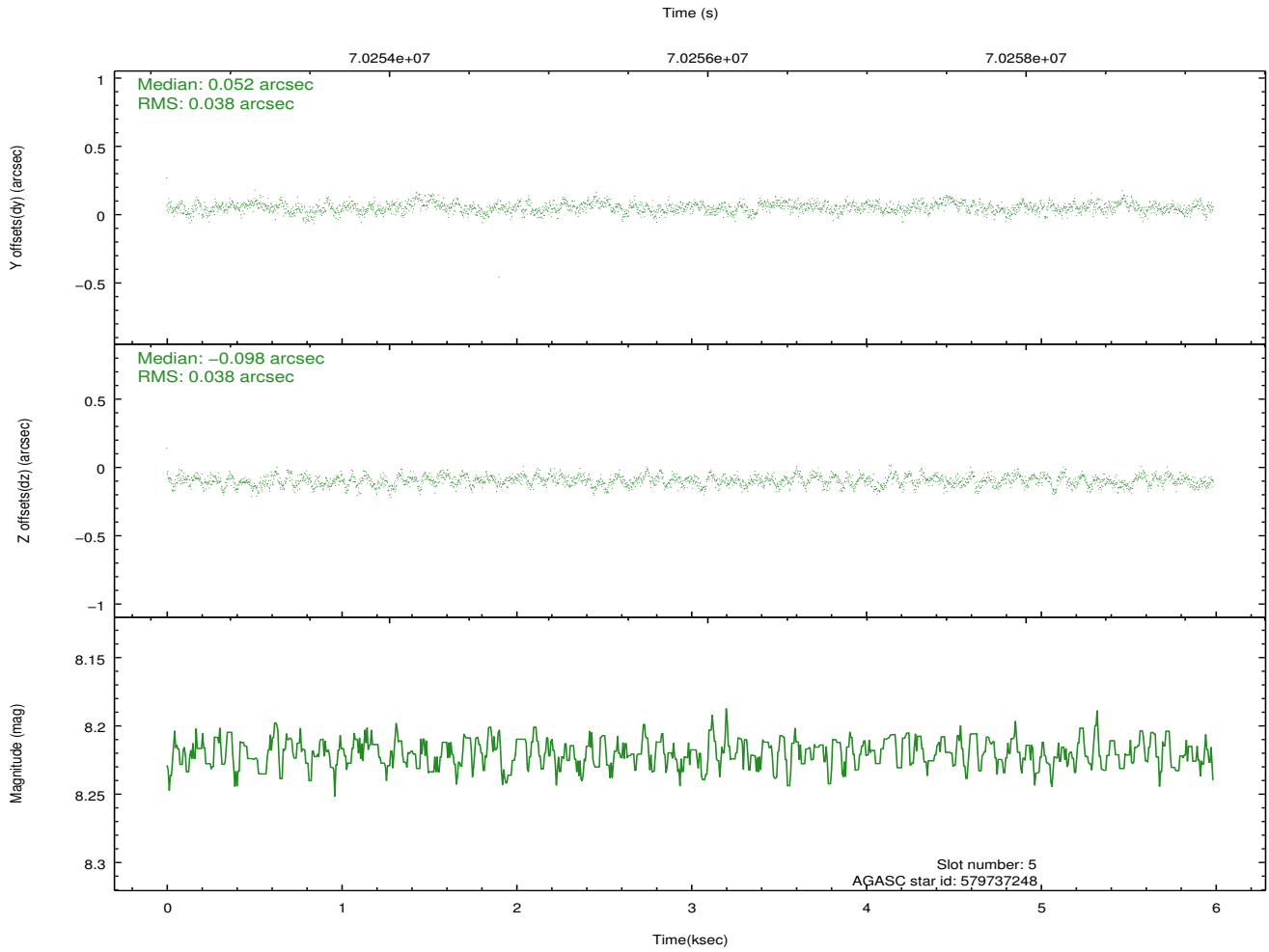
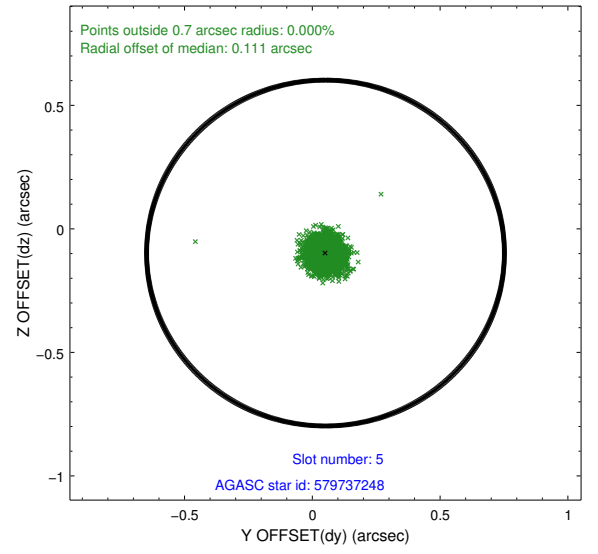
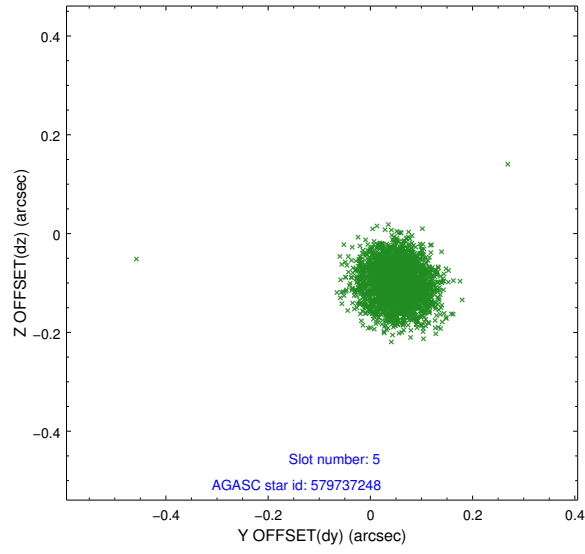
2.4.1 Slot 3



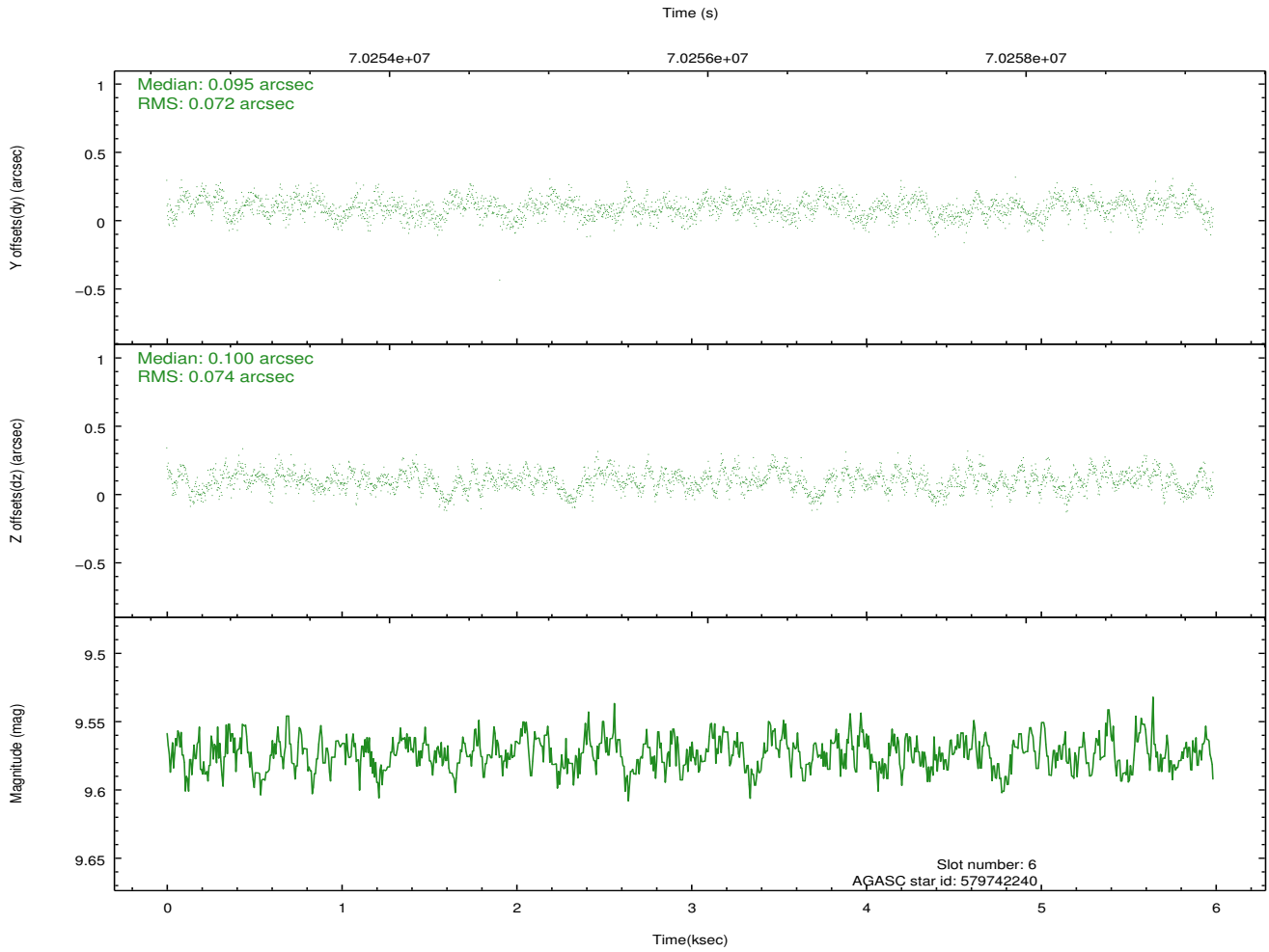
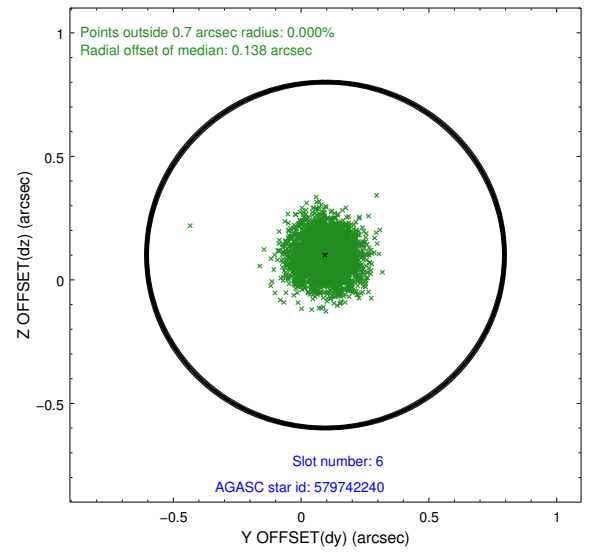
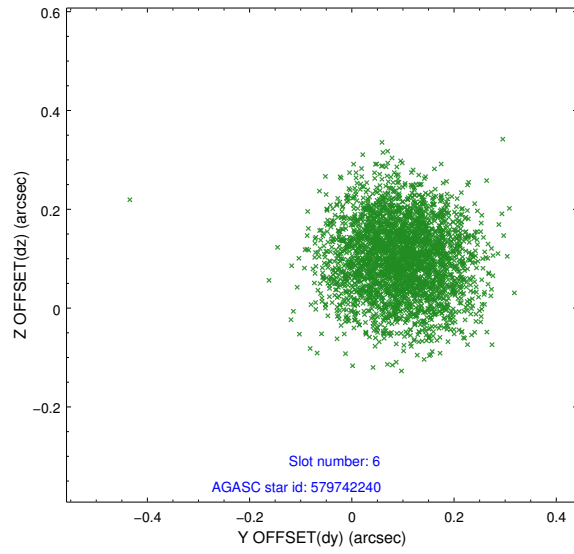
2.4.2 Slot 4



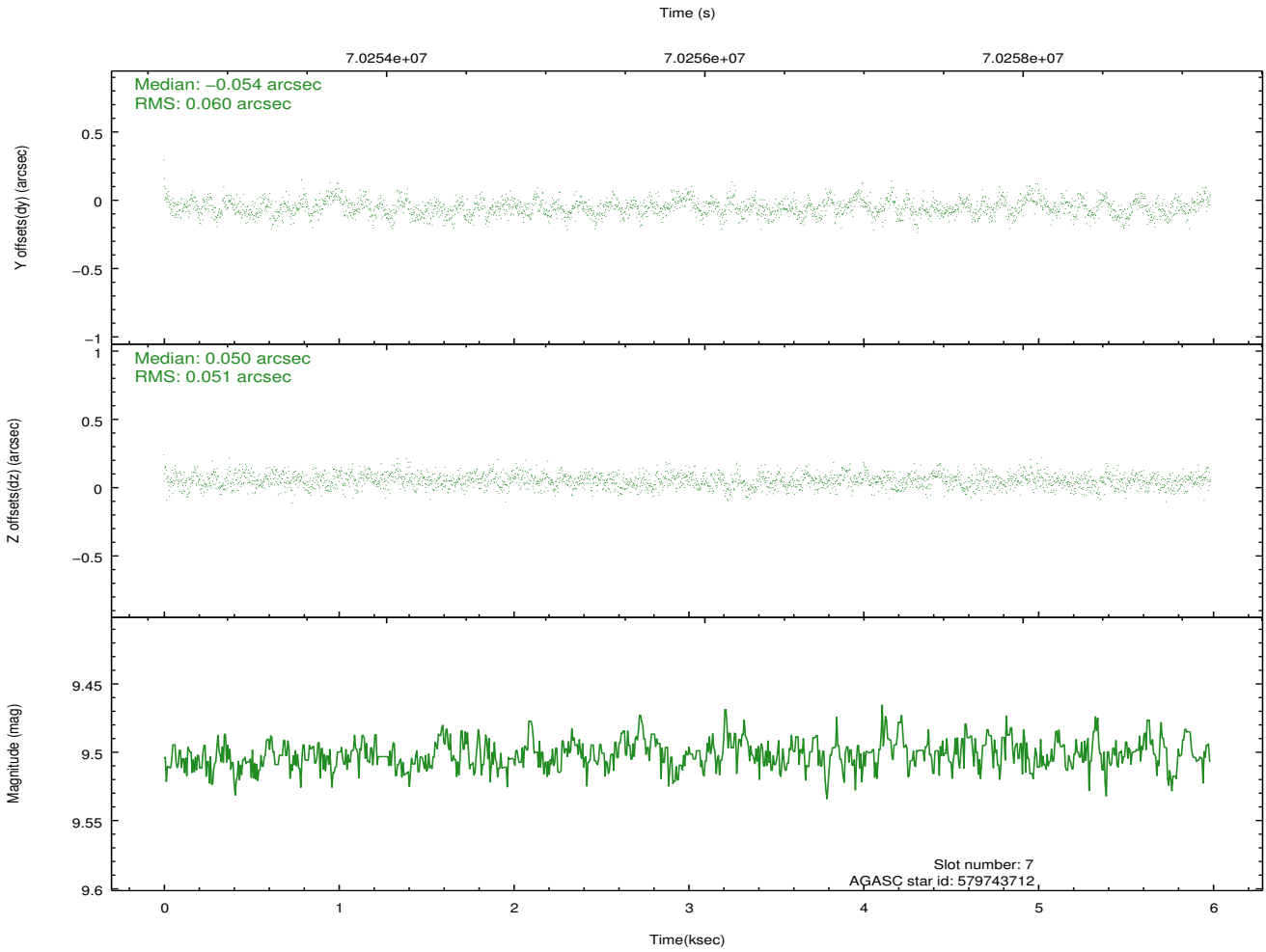
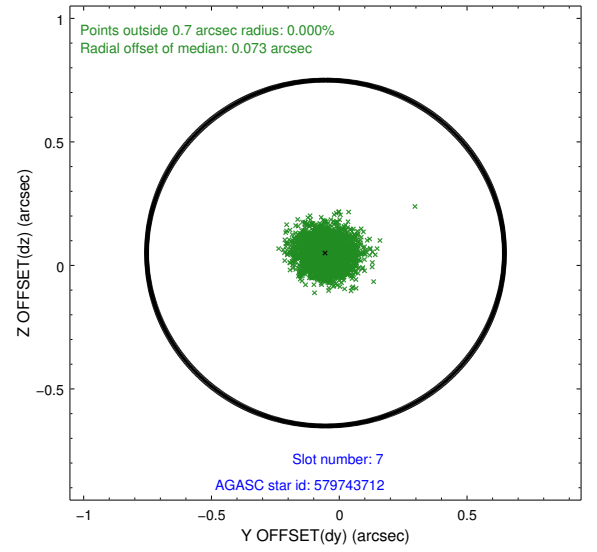
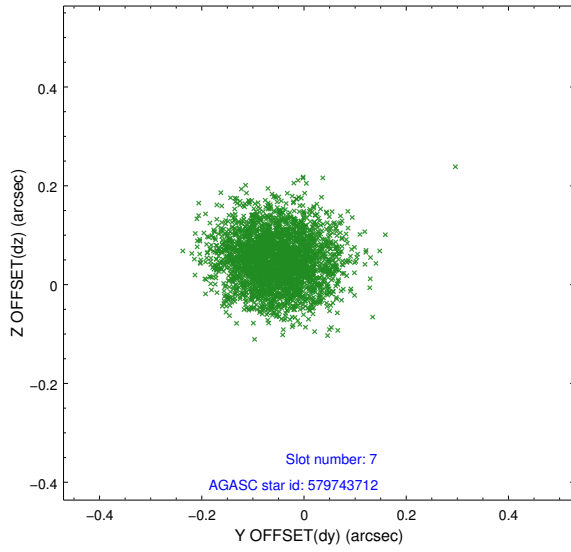
2.4.3 Slot 5



2.4.4 Slot 6

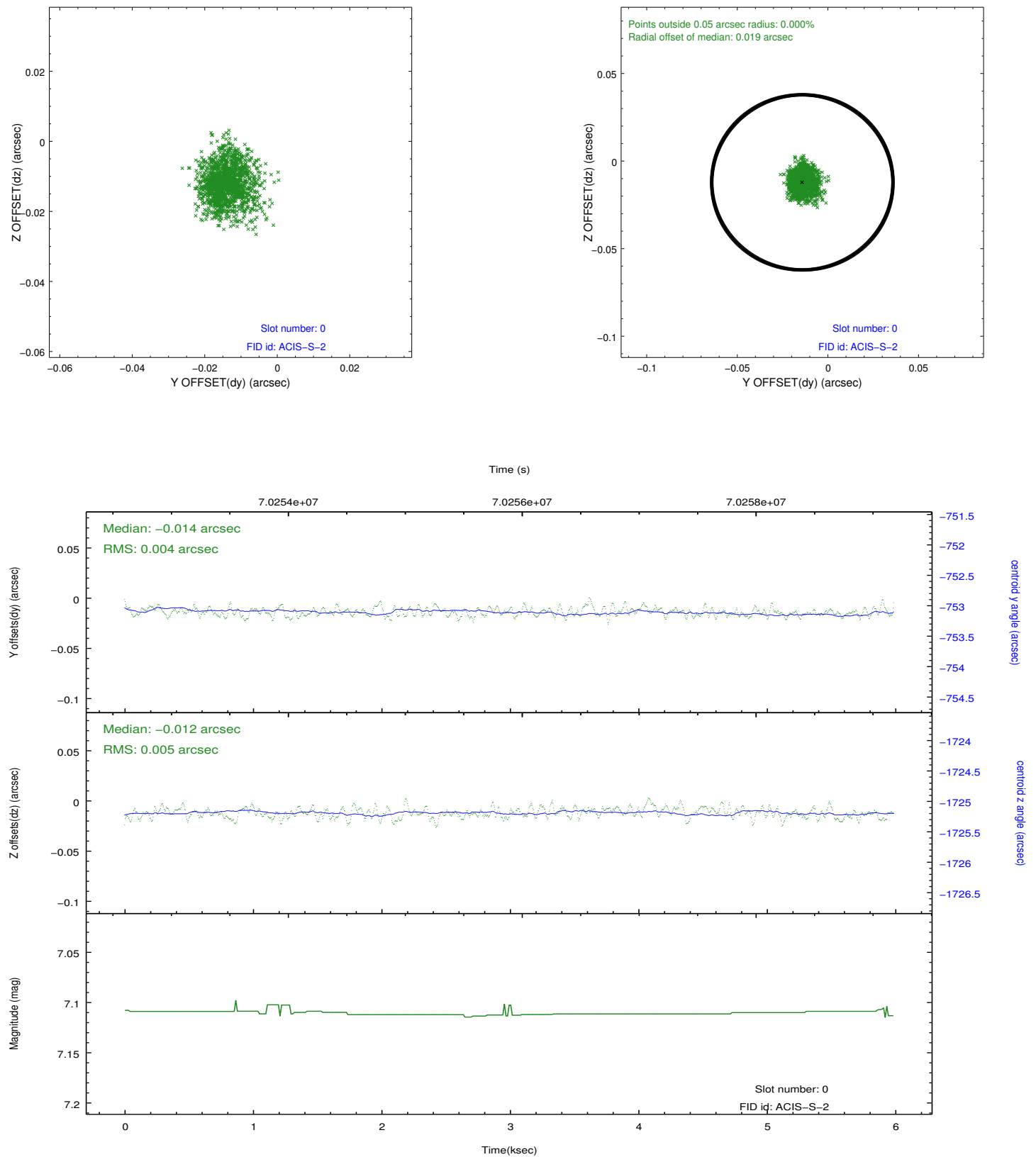


2.4.5 Slot 7

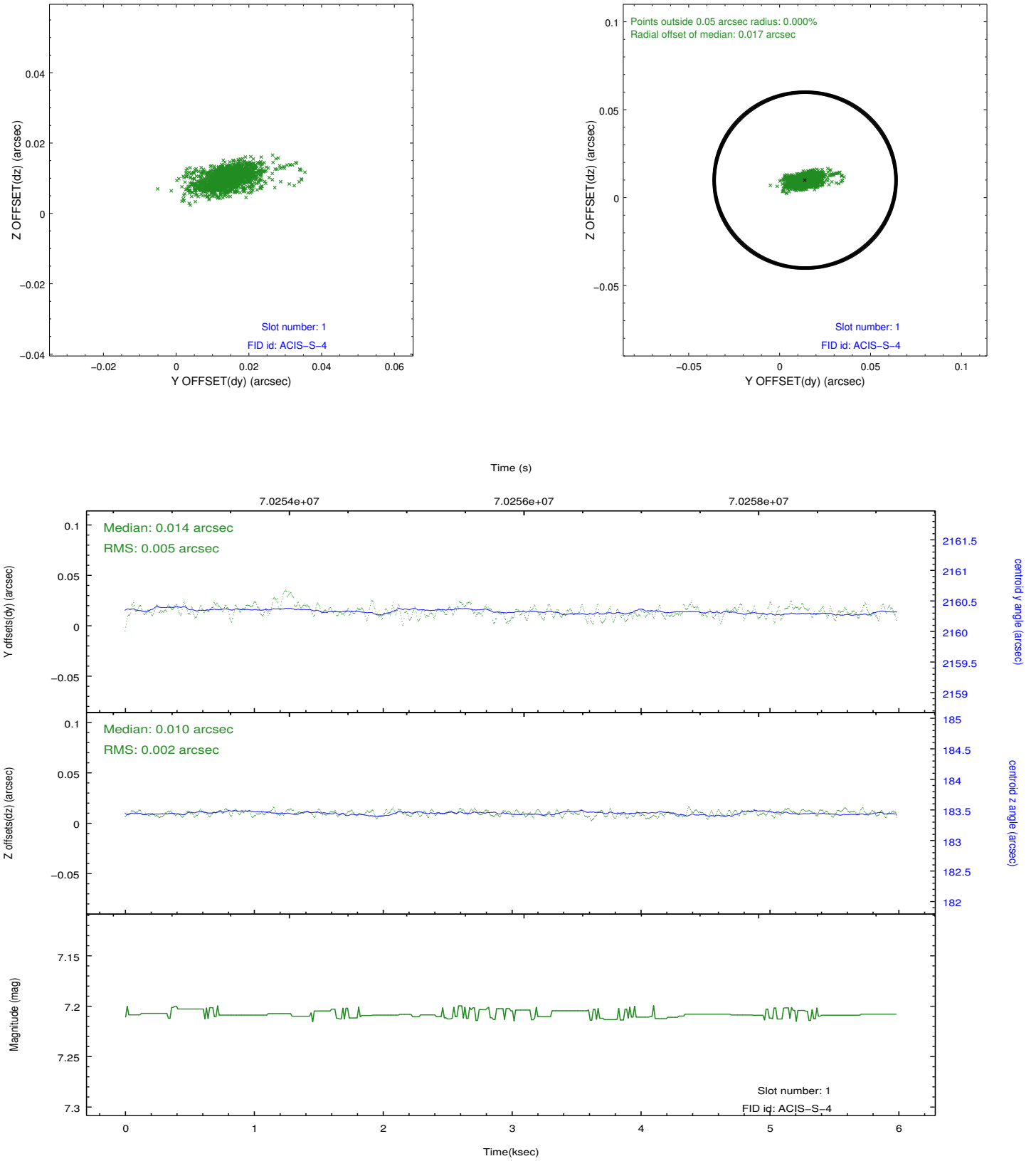


2.5 FID Slots

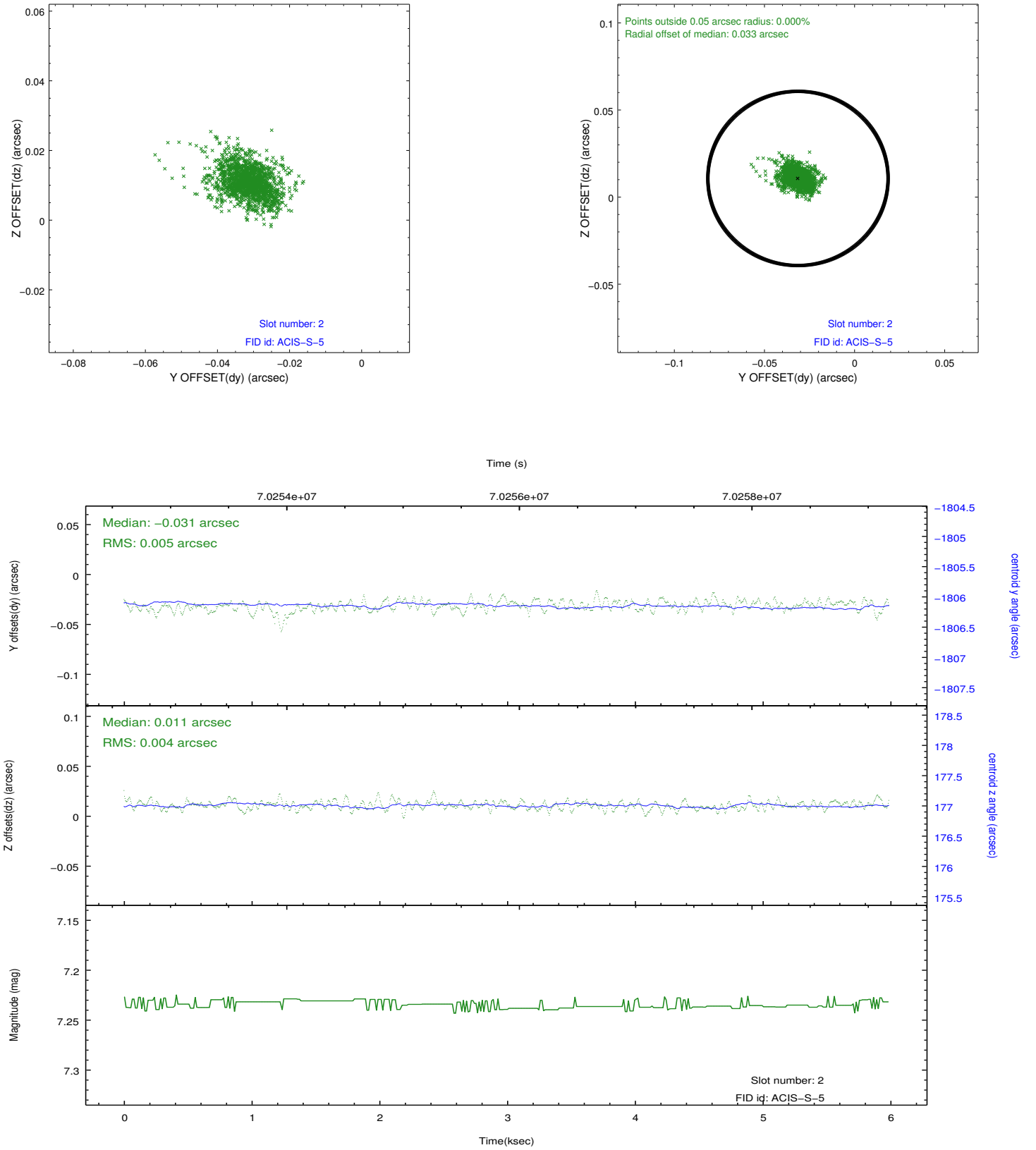
2.5.1 Slot 0



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)	2012.08.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.358

A.2 Comments