

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 7759 - L2 Version 3
Chandra X-Ray Center

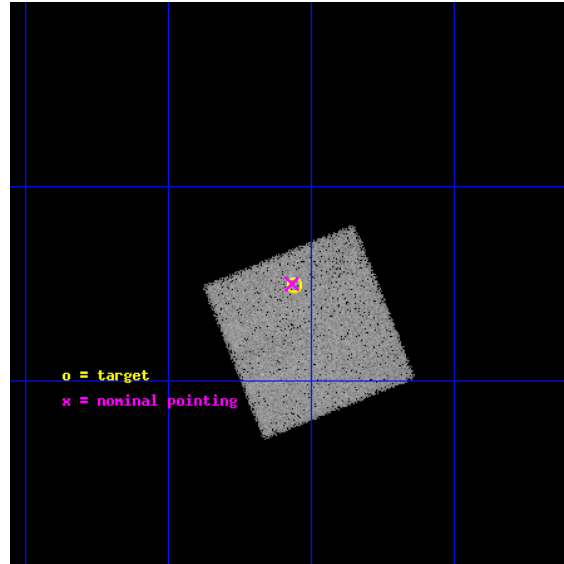
L2 Processing Date : Apr 20 2012

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1 Front

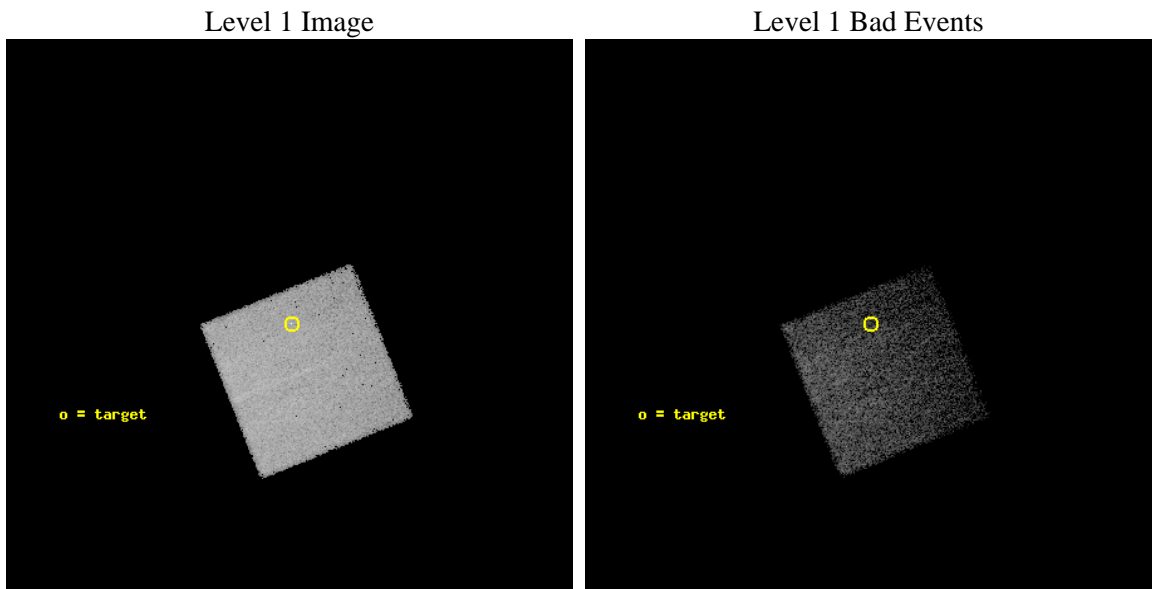
seq_num	701427	Sequence number
obs_id	7759	Observation id
title	Flux ratio anomalies in gravitationally lensed quasars with four images: Chandra observations of 4 new systems.	Proposal title
observer	Dr. Paul Schechter	Principal investigator
object	SDSS1138+0314	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	174.515417	Observer's specified target RA [deg]
dec_targ	3.249472	Observer's specified target Dec [deg]
ra_nom	174.51739518876	Nominal RA [deg]
dec_nom	3.2501012111439	Nominal Dec [deg]
roll_nom	68.132840820463	Nominal Roll [deg]
revision	3	Processing version of data
ontime	19078.889190495	Sum of GTIs [s]
livetime	18821.412270633	Livetime [s]
ontime7	19078.889190495	Sum of GTIs [s]
l2events	60146	Number of level 2 events



2 OBI

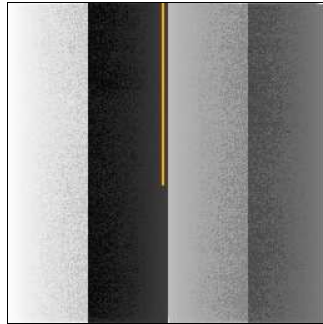
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	19000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	19078.889190495	Sum of GTIs [s]
caldsver	4.4.9	 	ontime7	19078.889190495	Sum of GTIs [s]
date	2012-04-20T03:30:47	Date and time of file creation	l1events	123288	Number of level 1 events
revision	3	Processing version of data			

2.1.4 Events

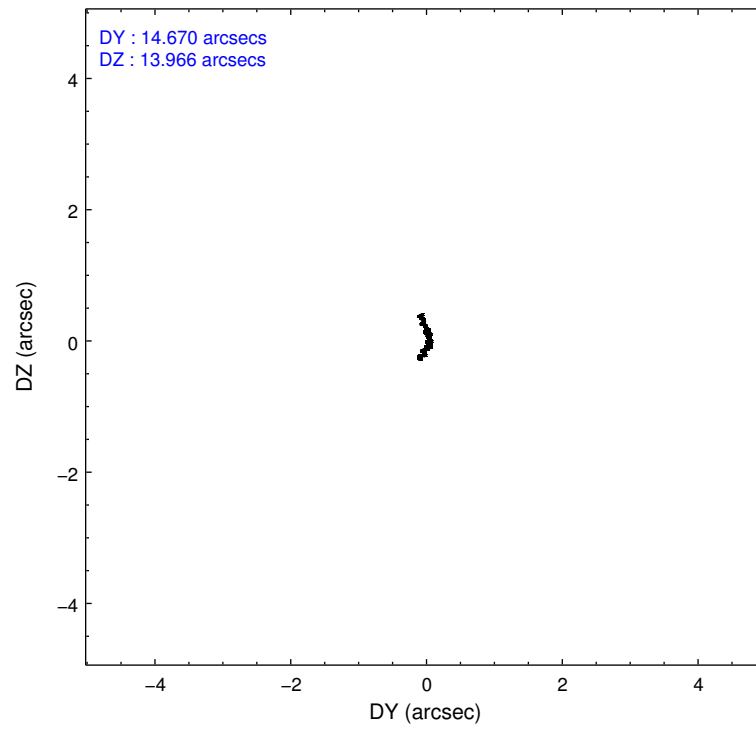
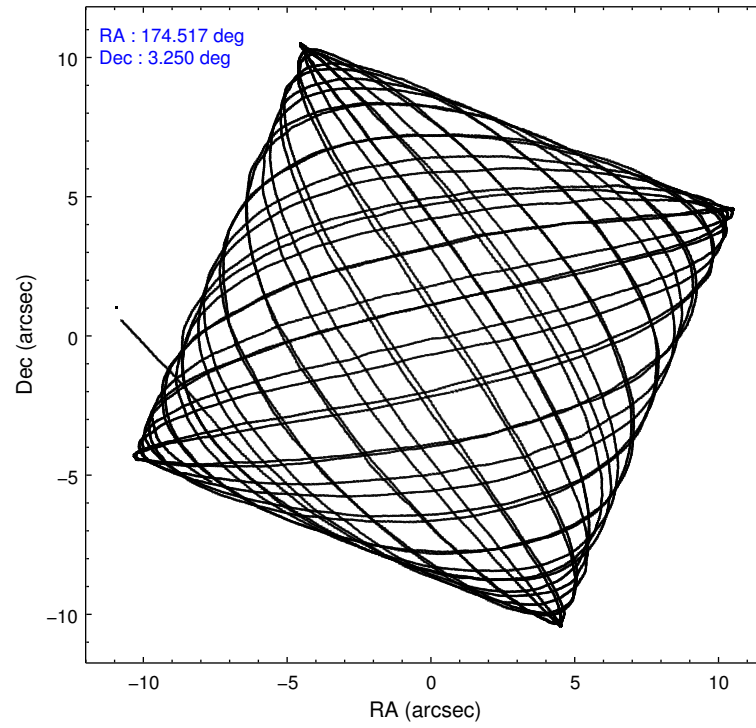
	ccd 7
level 1 events	123288
rejected events	60987
rejected %	49%

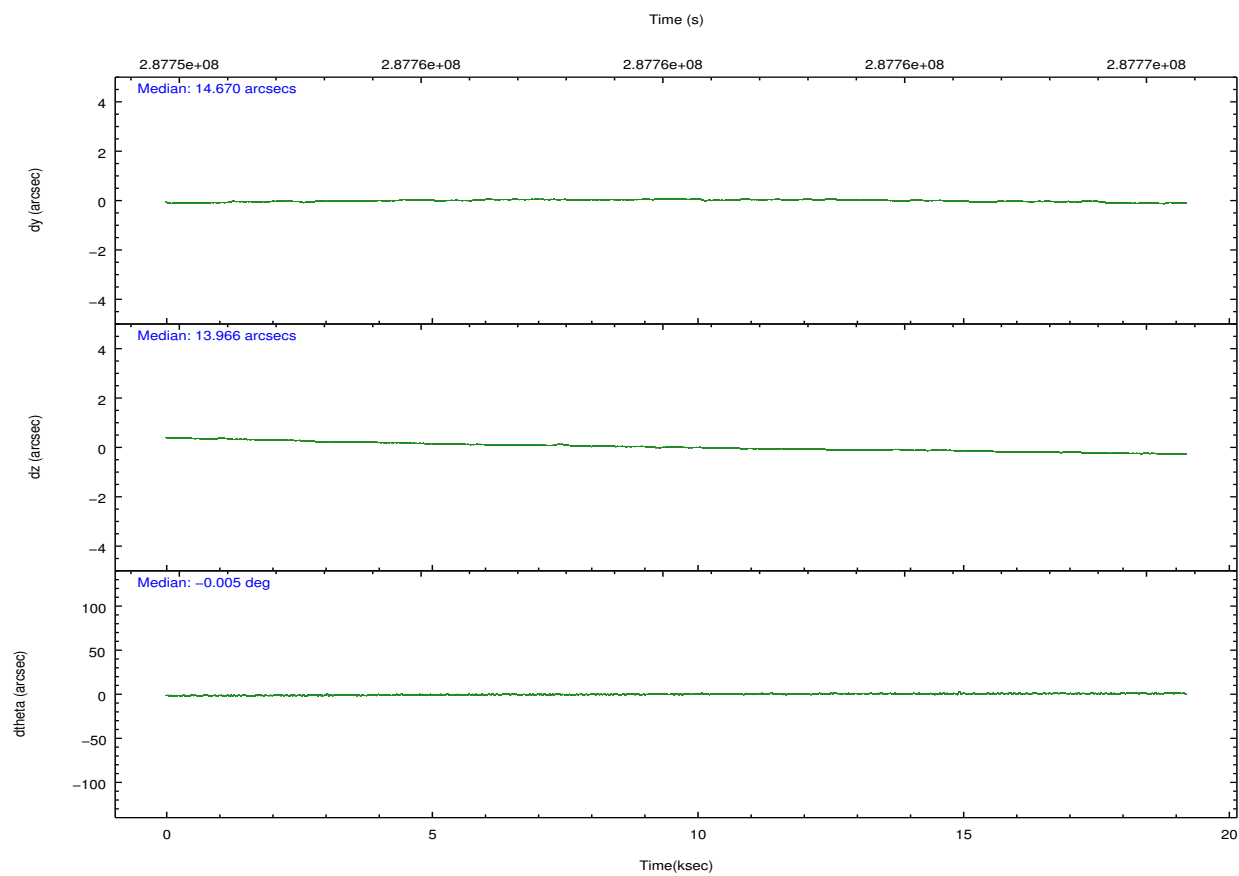
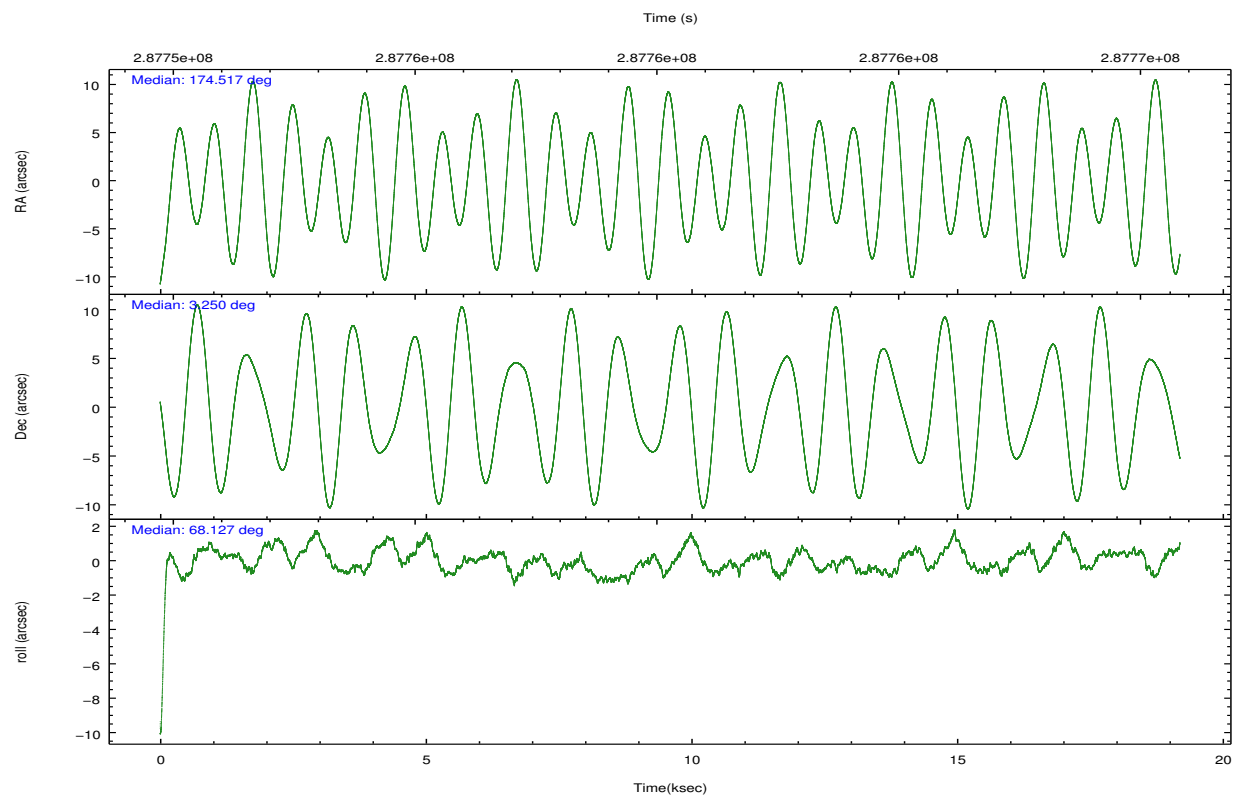
	ccd 7
grade 0 events	6593
	5%
grade 1 events	182
	0%
grade 2 events	13099
	10%
grade 3 events	6112
	4%
grade 4 events	5976
	4%
grade 5 events	13379
	10%
grade 6 events	30528
	24%
grade 7 events	47419
	38%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-7	ACIS-7	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	174.521655	174.5173951887625	Subarray requested	NONE	NONE
[deg] Pointing Dec	3.223100	3.250101211143857	Alternating exposures requested	N	N
[deg] Pointing Roll	67.975970	68.13284082046275	[s] Primary exposure time	0.000000	3
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	287750872.184000	287750186.08306			
Observation start date	2007-02-13T10:46:47	2007-02-13T10:36:26			
[s] Observation end time (MET)	287769872.184000	287770382.17152			
Observation end date	2007-02-13T16:03:27	2007-02-13T16:13:02			
Read mode	TIMED	TIMED			

2.3 Aspect



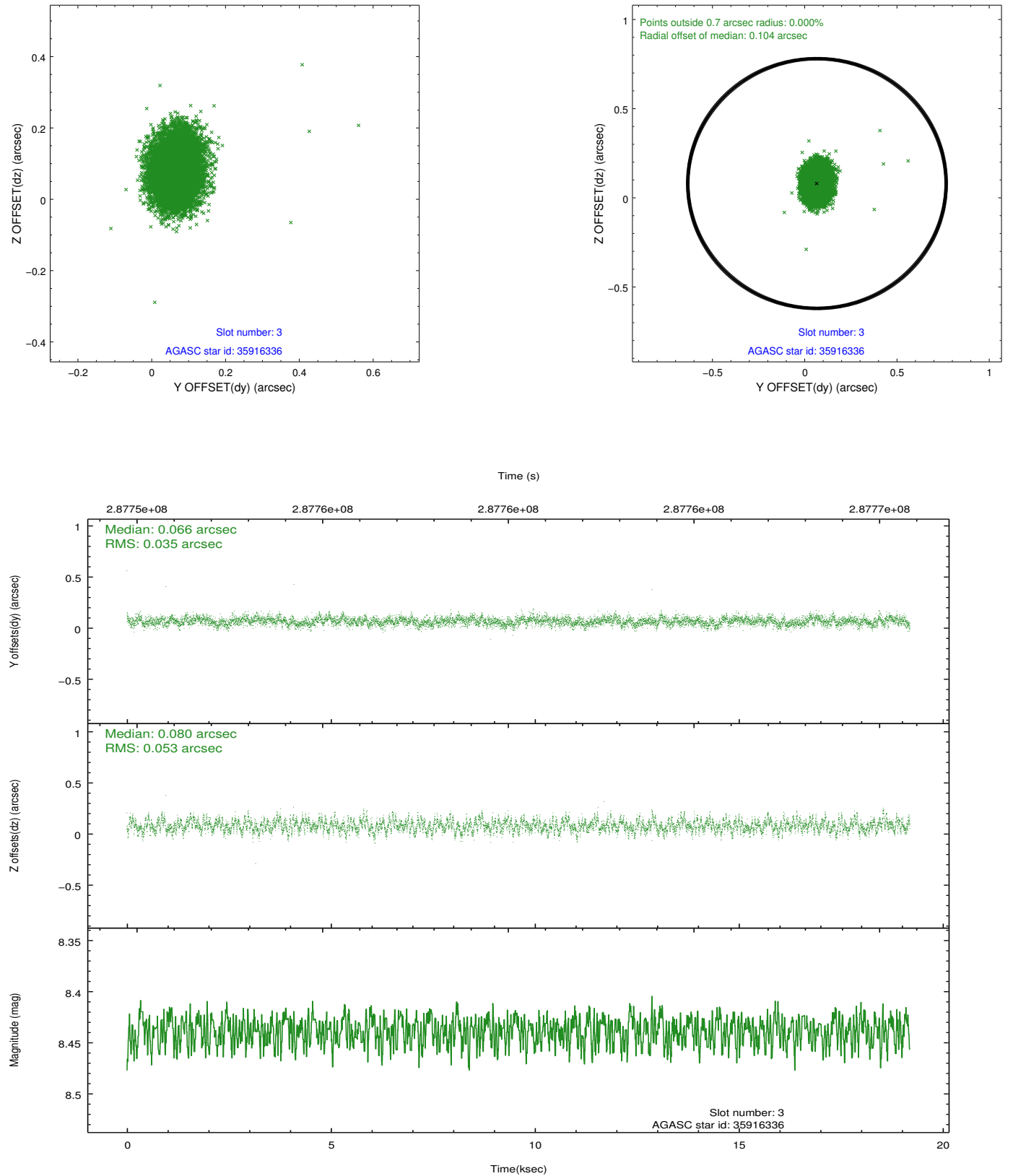


Slot Statistics

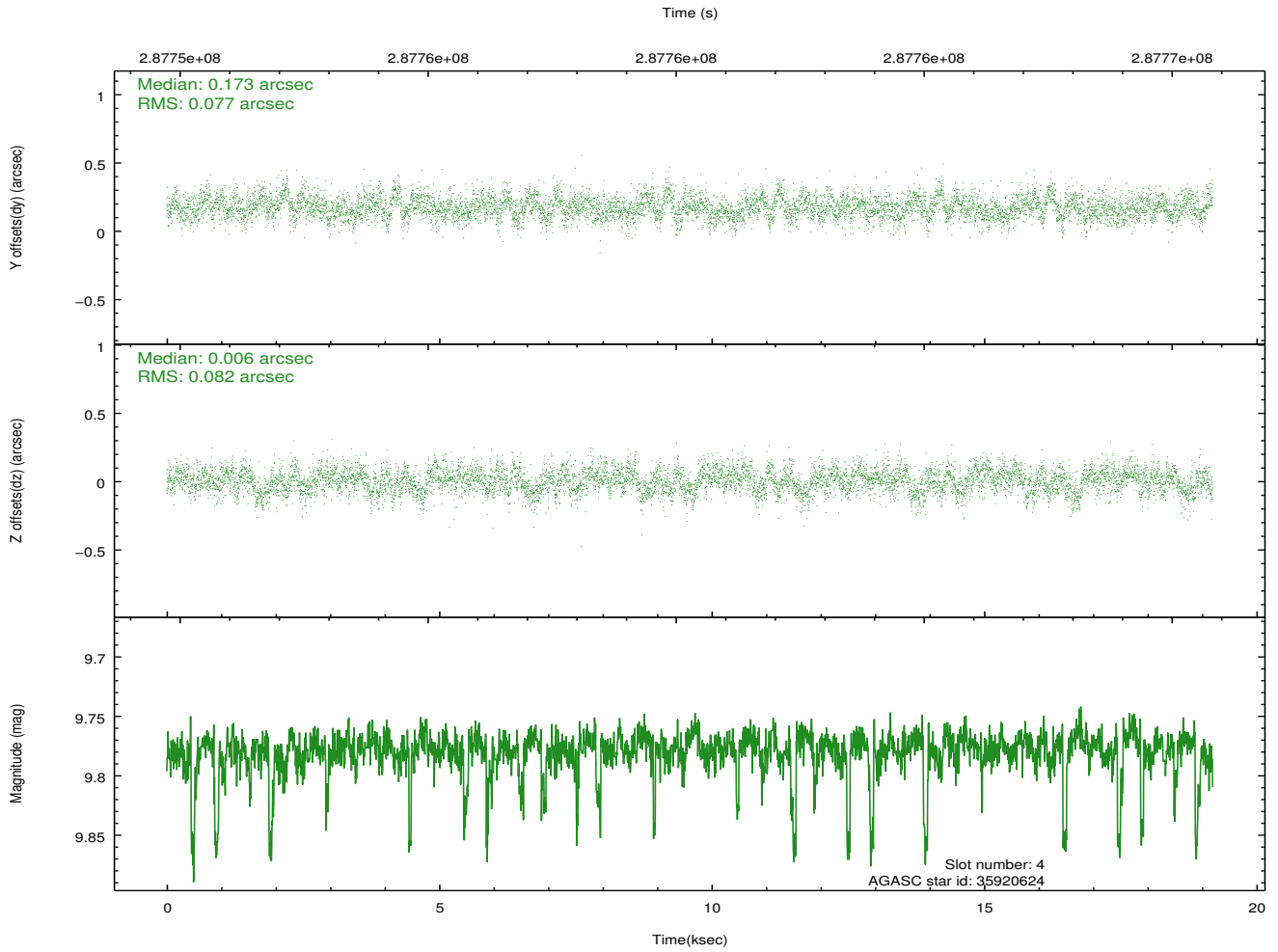
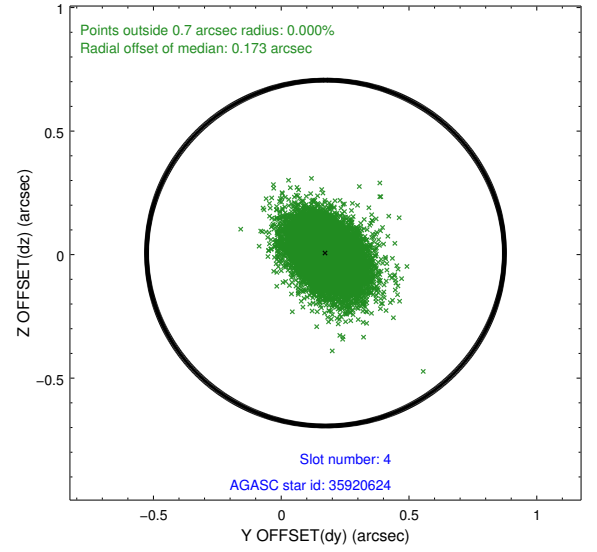
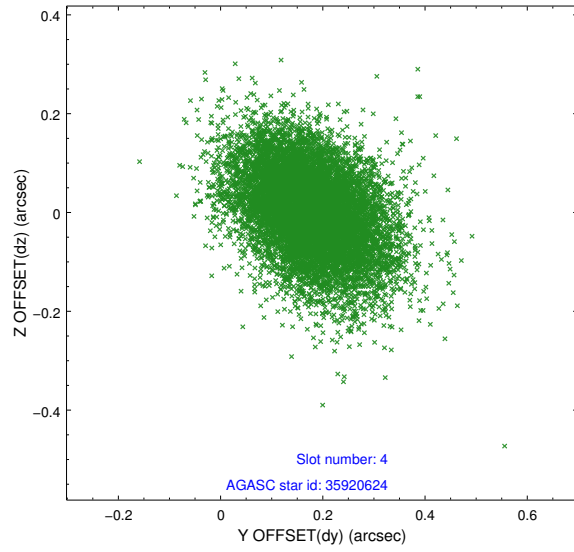
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.18	4681	0.028	-0.015	0.007	0.012	0.000000	0.000000	928.41	-1731.00
1	FID	ACIS-S-4	7.20	4682	0.159	0.001	0.006	0.010	0.000000	0.000000	2146.08	172.96
2	FID	ACIS-S-5	7.22	4681	-0.213	0.026	0.006	0.011	0.000000	0.000000	-1820.42	166.84
3	GUIDE	35916336	8.44	9362	0.066	0.080	0.066	0.110	174.868506	2.846561	-788.26	-1662.45
4	GUIDE	35920624	9.78	9340	0.173	0.006	0.117	0.199	173.786138	2.849508	-2237.62	1947.74
5	GUIDE	35920776	8.14	9363	-0.148	0.055	0.055	0.089	174.521142	3.621906	1330.06	540.67
6	GUIDE	35922112	7.10	9362	-0.027	-0.204	0.063	0.102	174.060884	3.301117	-360.43	1640.74
7	GUIDE	36049352	8.52	9355	-0.071	0.059	0.090	0.145	175.128538	3.654121	2256.89	-1439.76

2.4 Star Slots

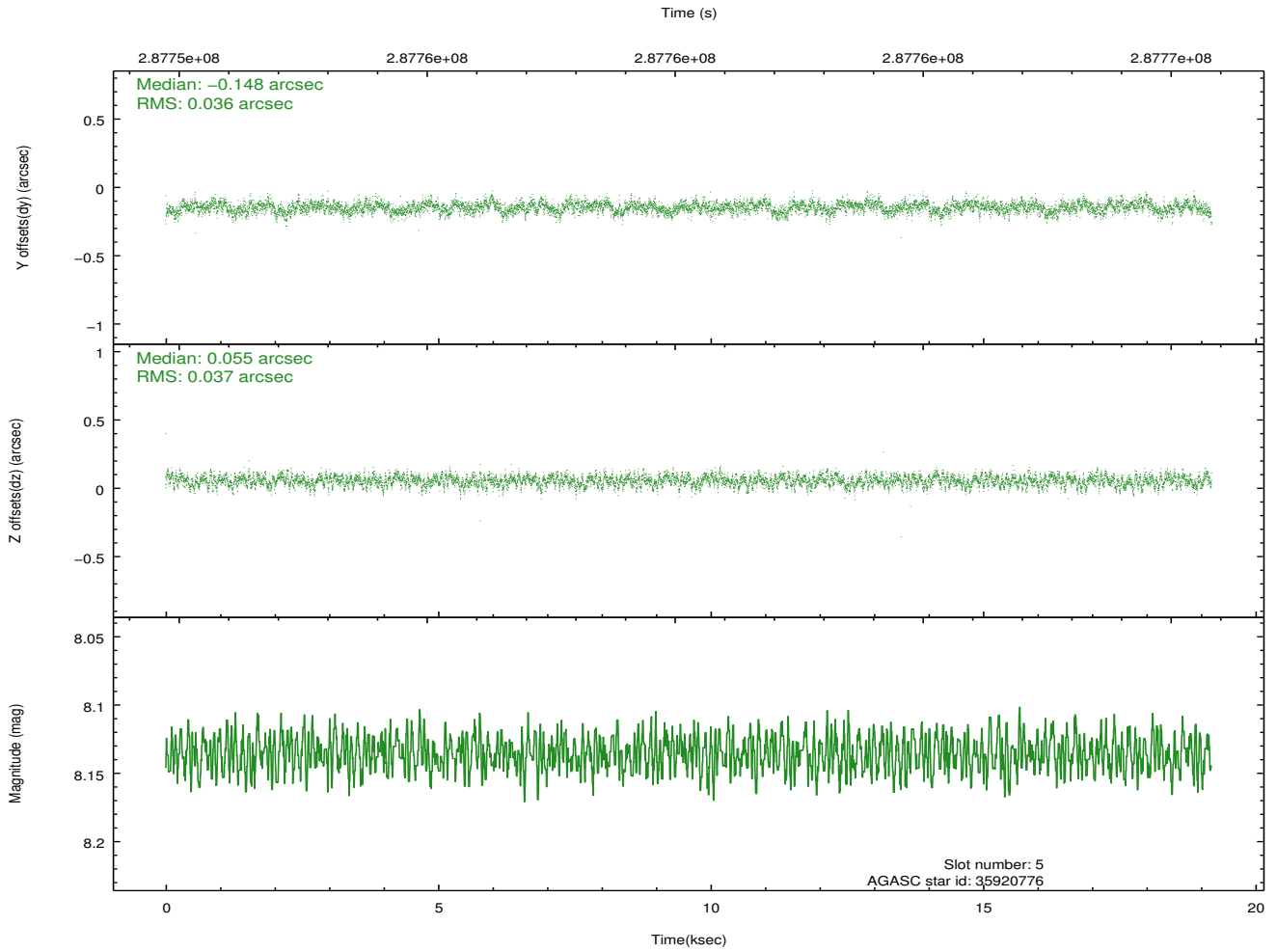
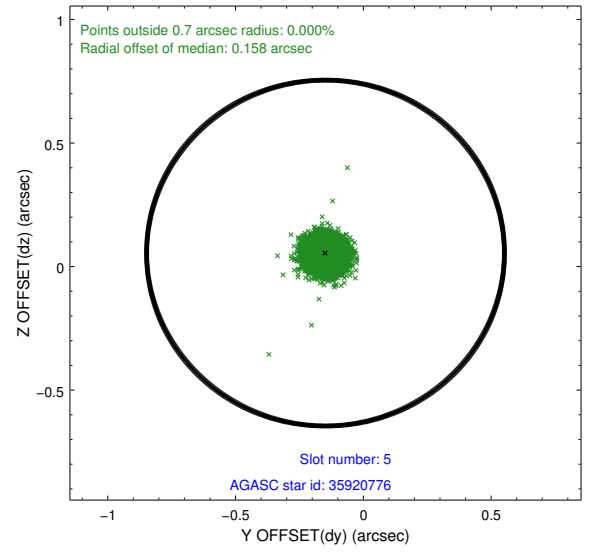
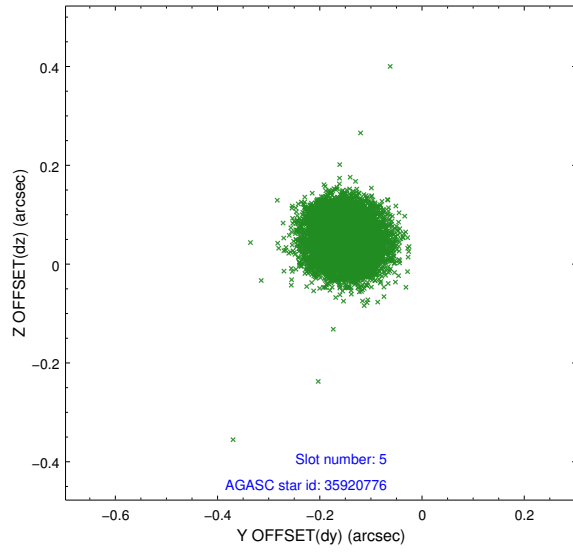
2.4.1 Slot 3



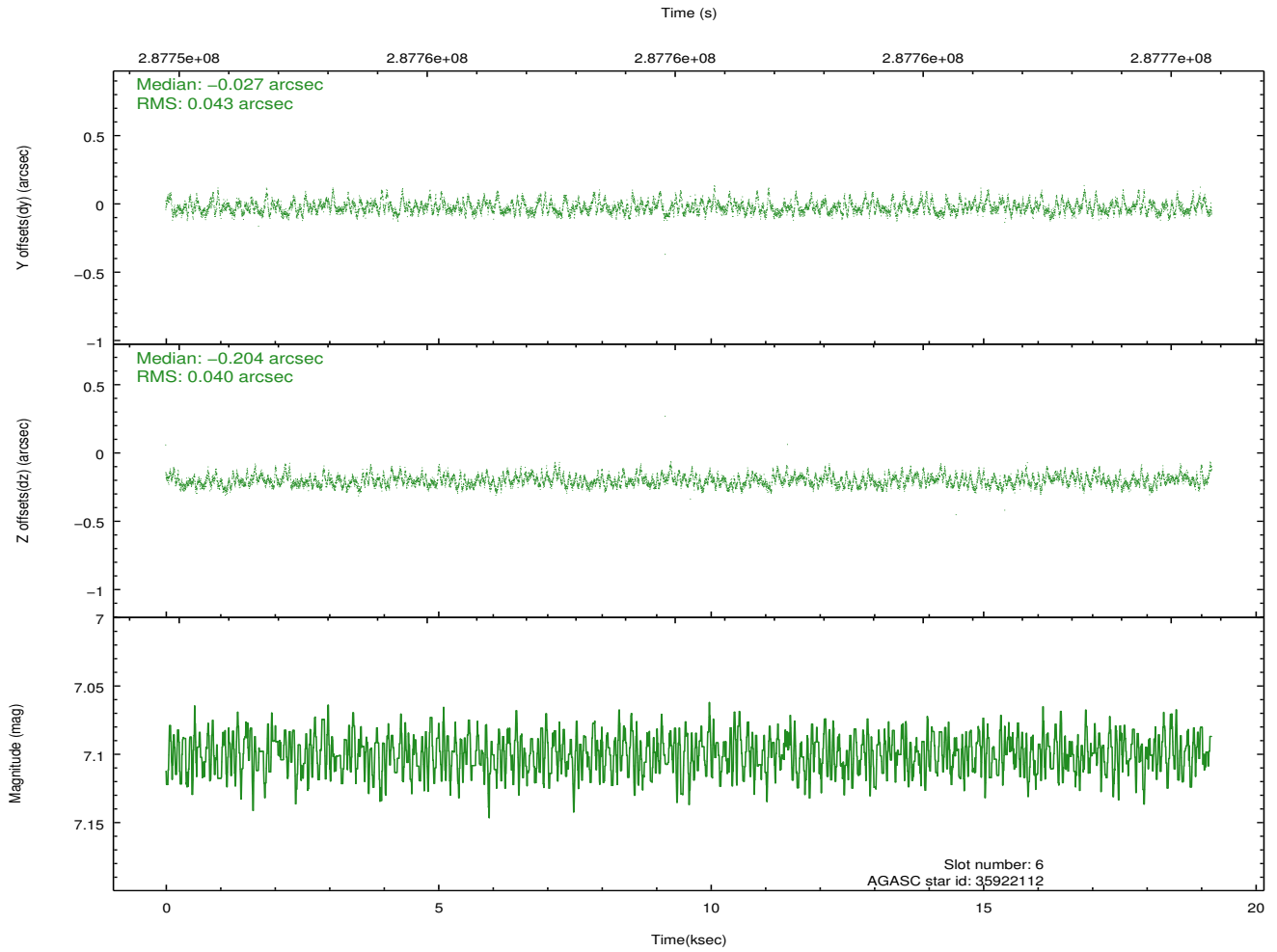
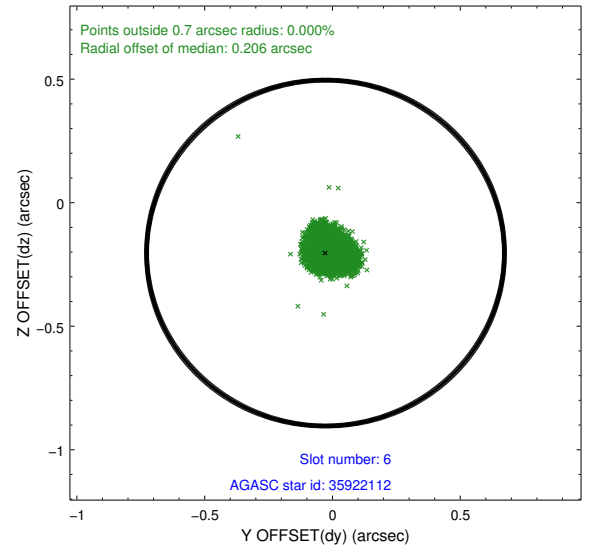
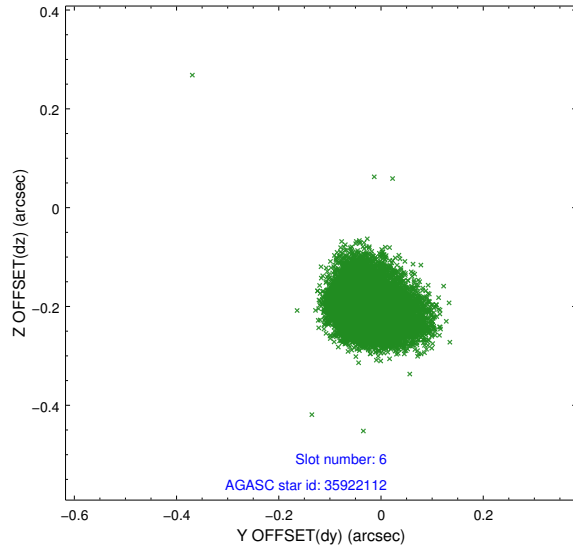
2.4.2 Slot 4



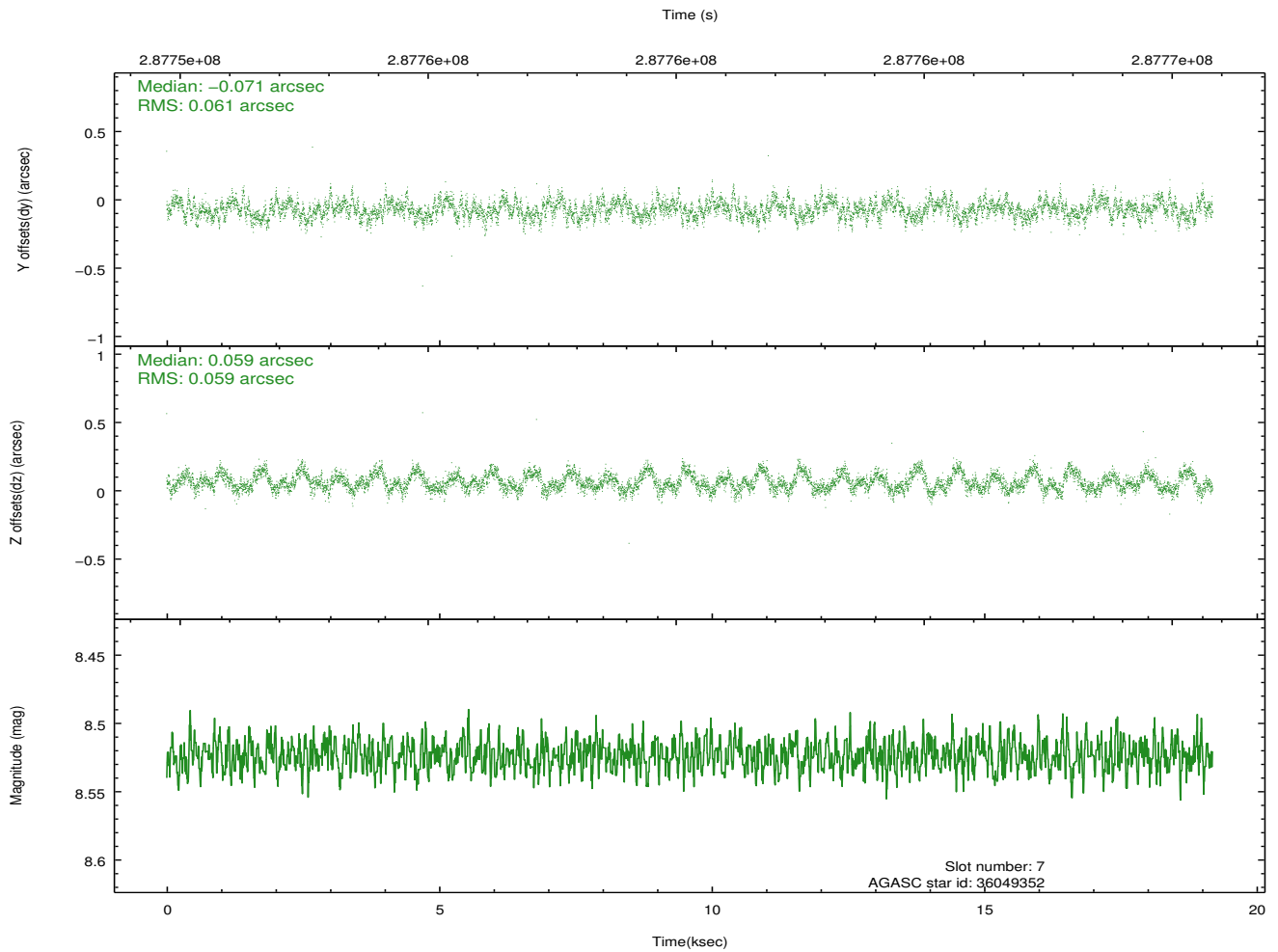
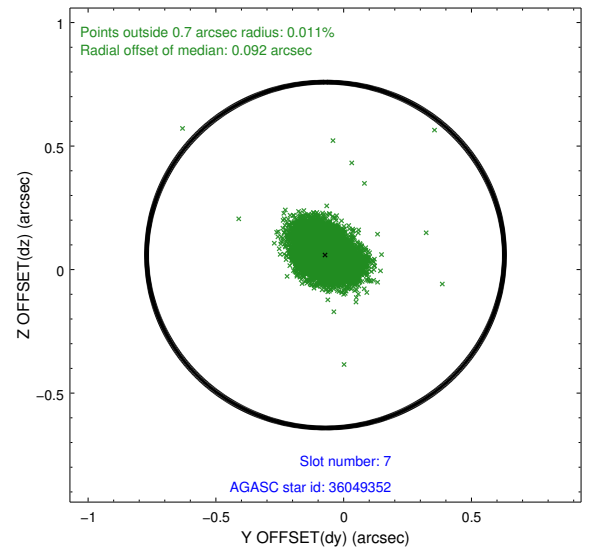
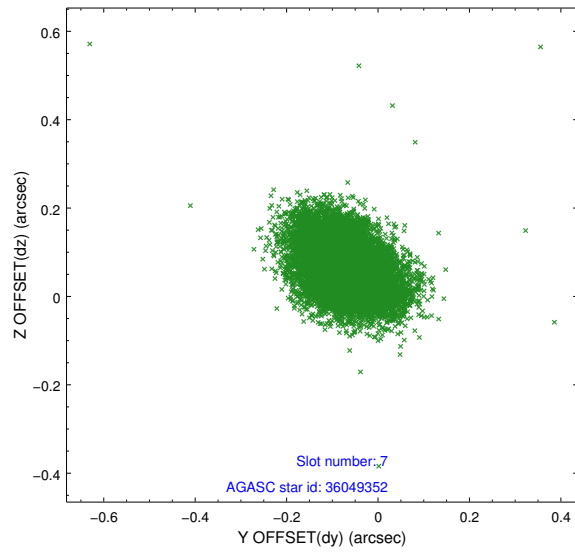
2.4.3 Slot 5



2.4.4 Slot 6

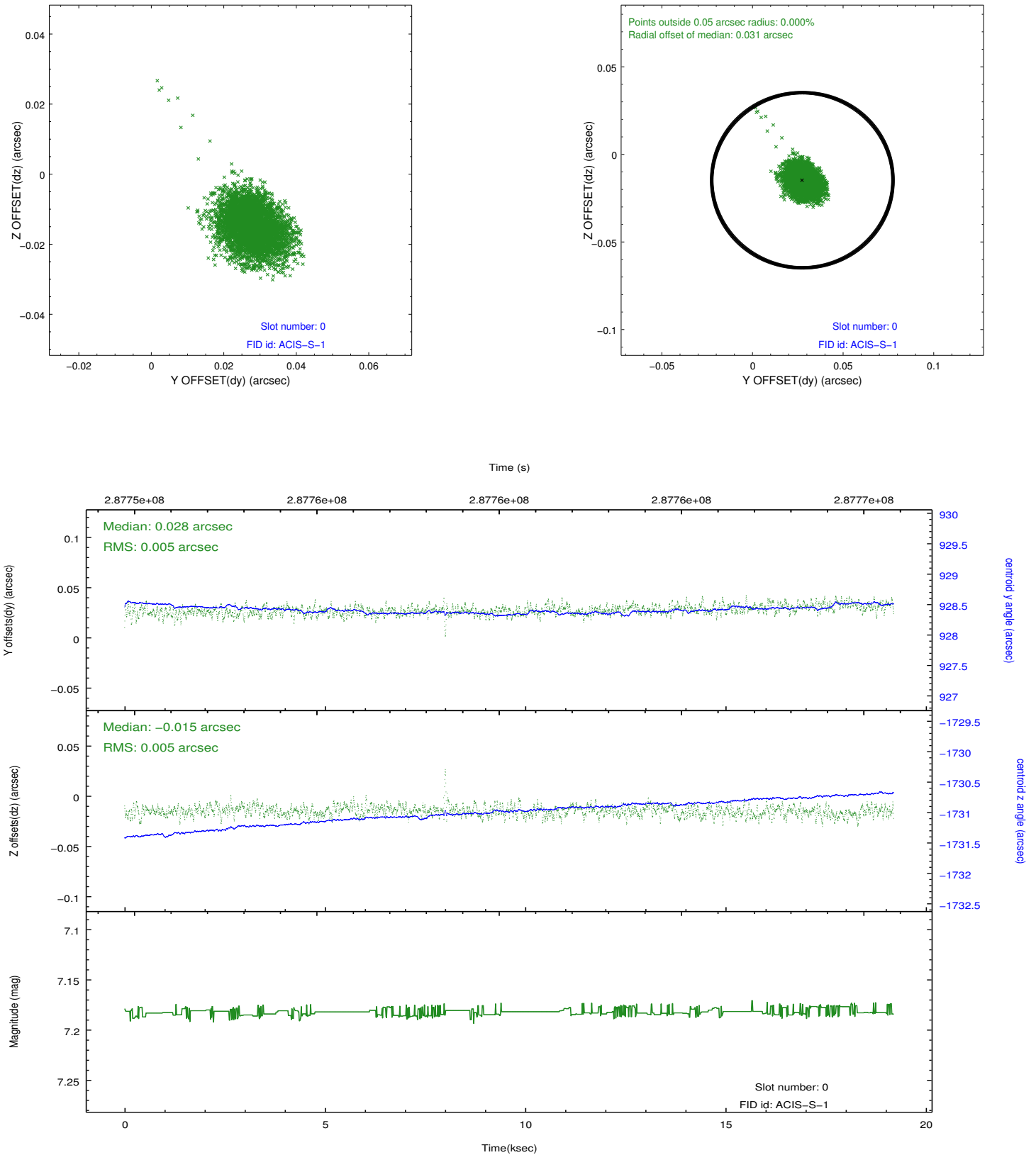


2.4.5 Slot 7

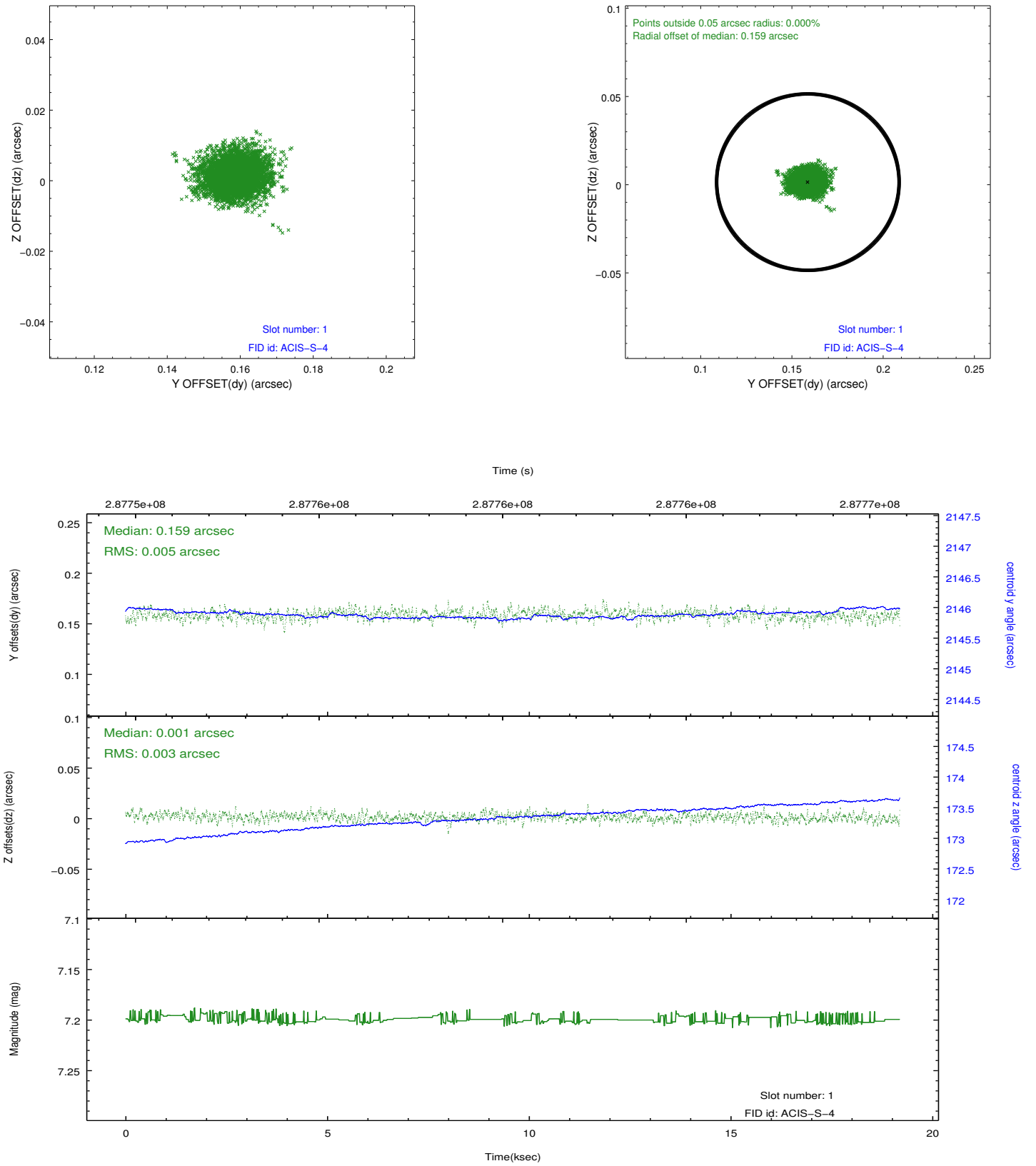


2.5 FID Slots

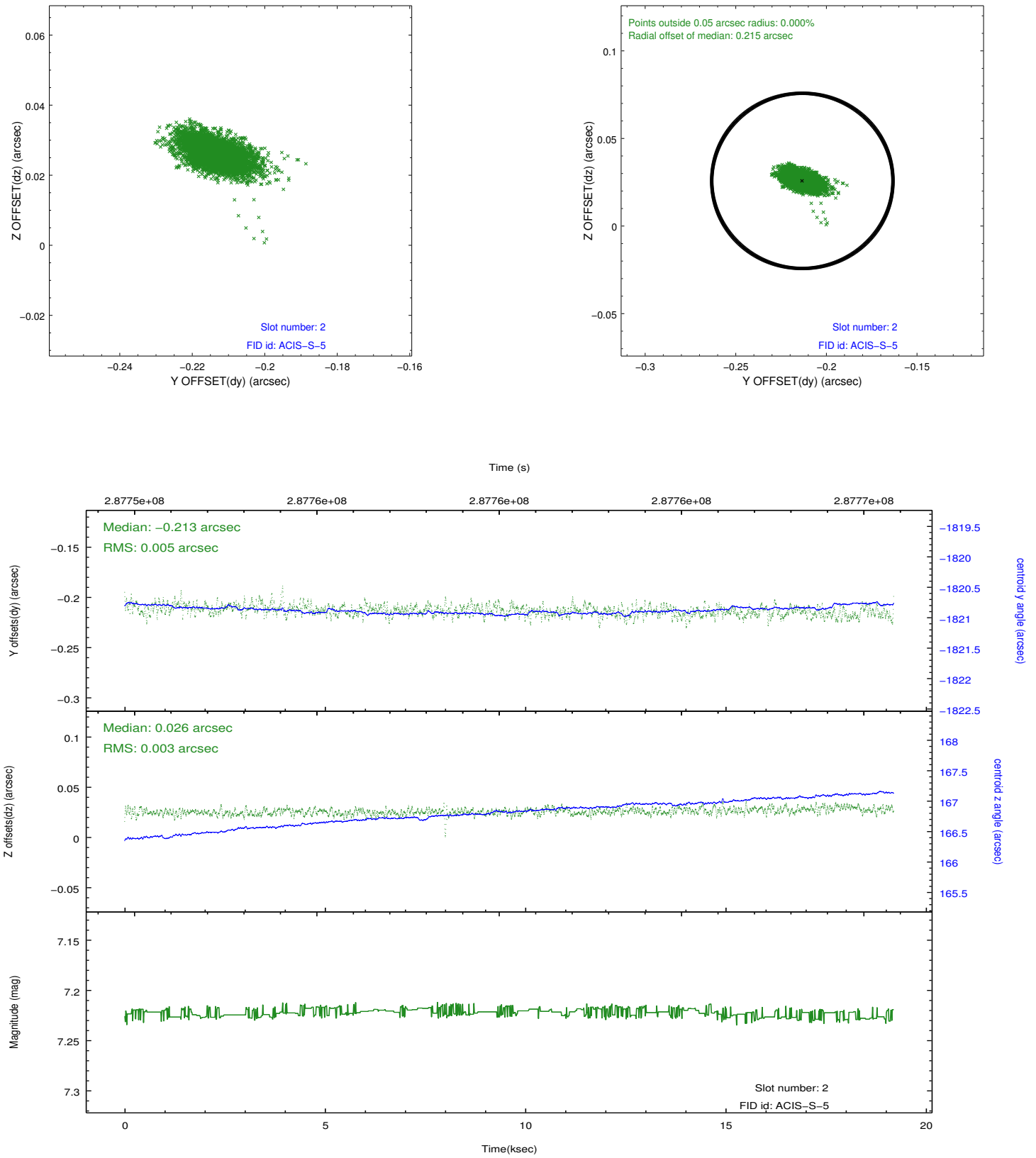
2.5.1 Slot 0



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)	2012.04.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	19.08

A.2 Comments