

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 13317 - L2 Version 1
Chandra X-Ray Center

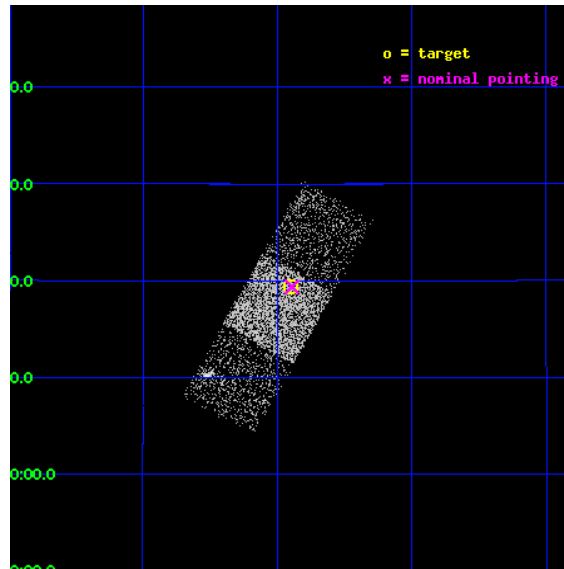
L2 Processing Date : Feb 28 2012

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1 Front

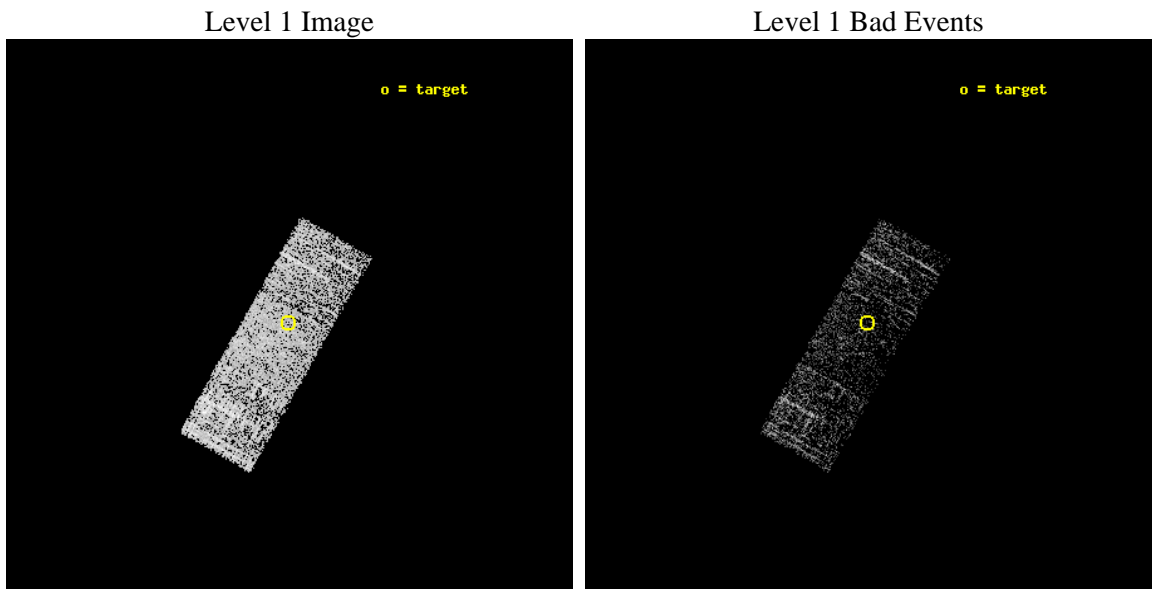
seq_num	702524	Sequence number
obs_id	13317	Observation id
title	A Large, Economical Snapshot Survey of the Most-Luminous Quasars from the Sloan Digital Sky Survey	Proposal title
observer	Prof. Gordon Garmire	Principal investigator
object	SDSS J1159+2019	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	179.97625	Observer's specified target RA [deg]
dec_targ	20.322528	Observer's specified target Dec [deg]
ra_nom	179.97306242163	Nominal RA [deg]
dec_nom	20.322867978206	Nominal Dec [deg]
roll_nom	119.64657670495	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1577.5712779164	Sum of GTIs [s]
livetime	1556.9591477794	Livetime [s]
ontime6	1577.5302379131	Sum of GTIs [s]
ontime7	1577.5712779164	Sum of GTIs [s]
ontime8	1577.4891979098	Sum of GTIs [s]
l2events	6271	Number of level 2 events



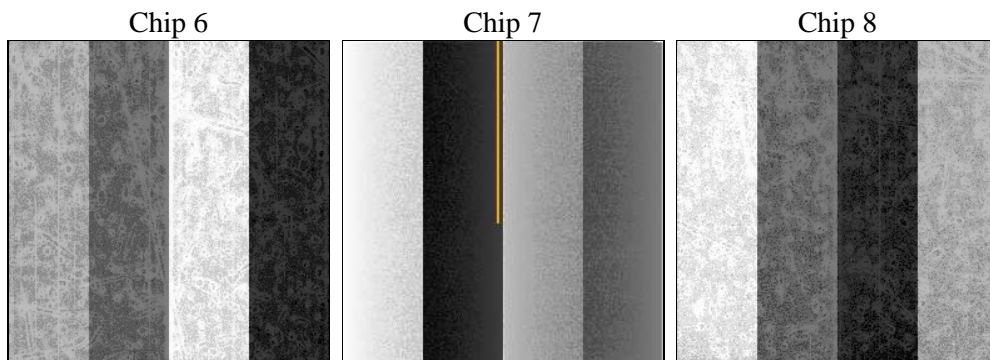
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	1500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	1577.5712779164	Sum of GTIs [s]
caldsver	4.4.8	 	ontime6	1577.5302379131	Sum of GTIs [s]
date	2012-02-28T16:42:32	Date and time of file creation	ontime7	1577.5712779164	Sum of GTIs [s]
revision	1	Processing version of data	ontime8	1577.4891979098	Sum of GTIs [s]
			l1events	28782	Number of level 1 events

2.1.4 Events

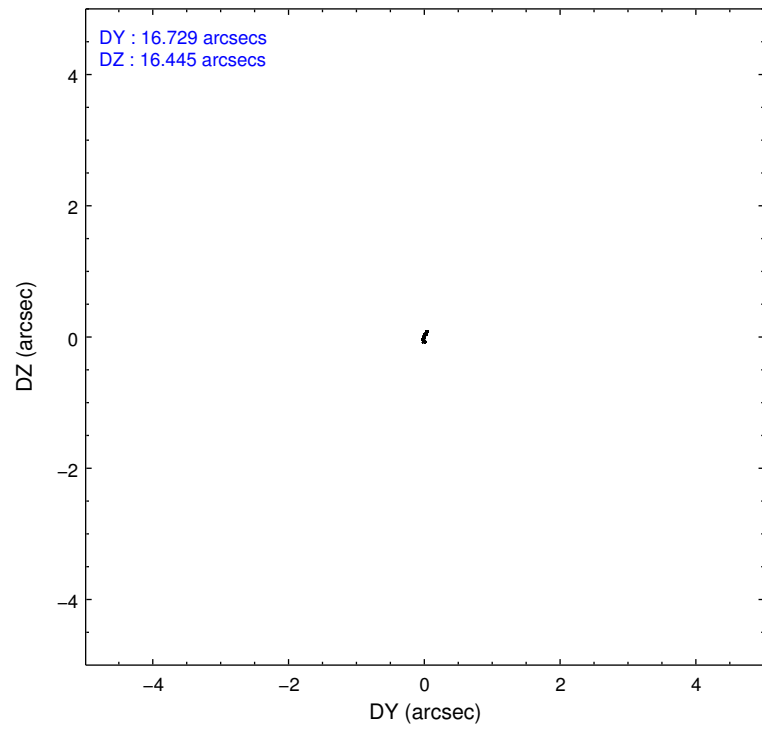
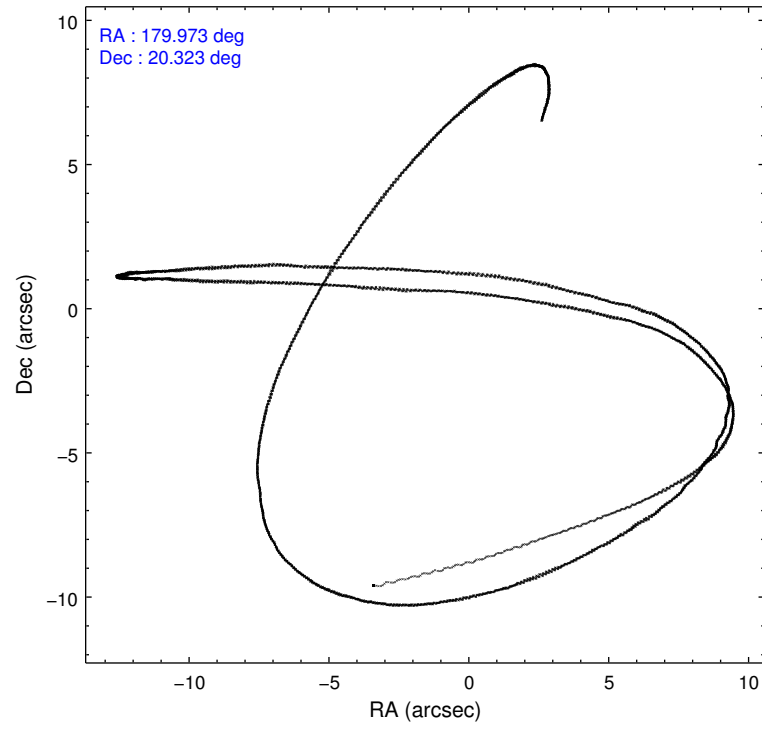
	ccd 6	ccd 7	ccd 8
level 1 events	8055	9243	11484
rejected events	6967	4841	7675
rejected %	86%	52%	66%

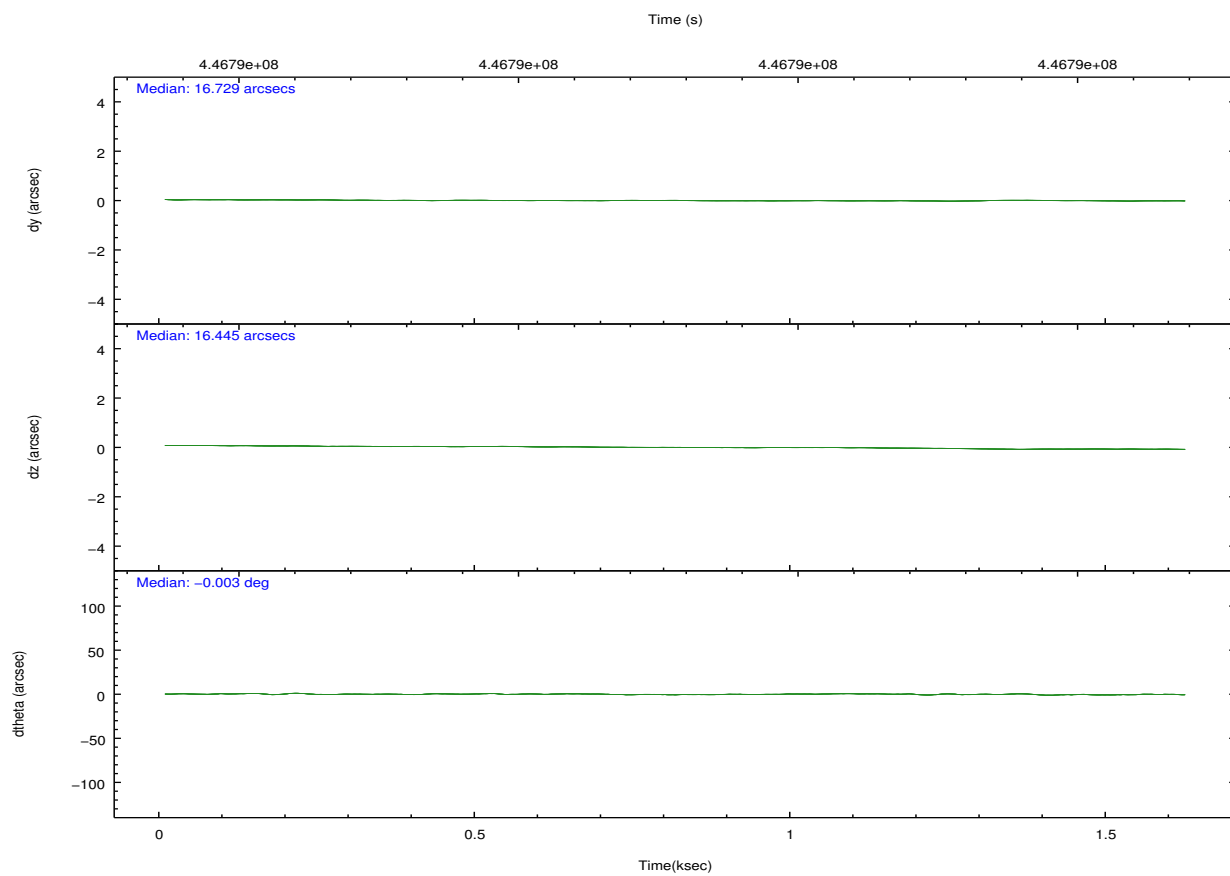
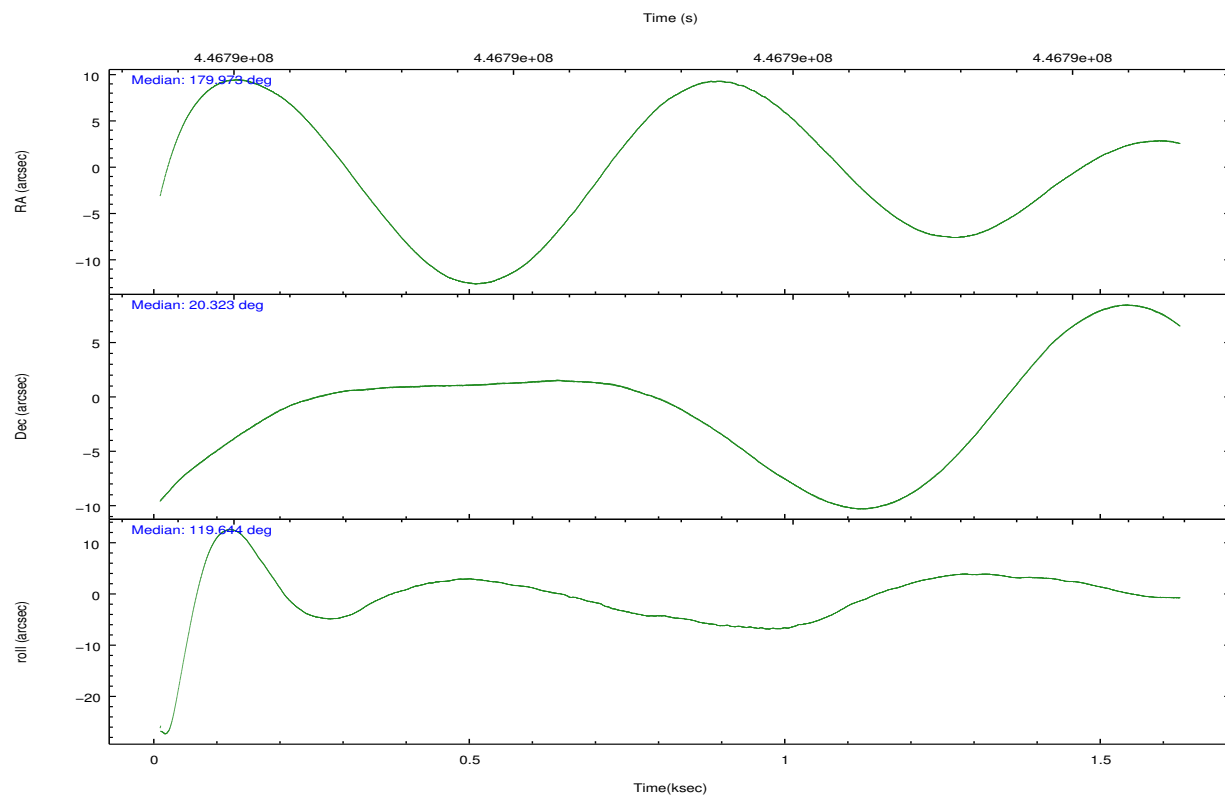
	ccd 6	ccd 7	ccd 8
grade 0 events	411	434	1204
	5%	4%	10%
grade 1 events	8	12	11
	0%	0%	0%
grade 2 events	274	905	762
	3%	9%	6%
grade 3 events	96	413	478
	1%	4%	4%
grade 4 events	93	436	487
	1%	4%	4%
grade 5 events	365	1008	541
	4%	10%	4%
grade 6 events	215	2238	894
	2%	24%	7%
grade 7 events	6593	3797	7107
	81%	41%	61%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-678	ACIS-678	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	179.998380	179.9730624216295	Subarray requested	NONE	NONE
[deg] Pointing Dec	20.309183	20.3228679782061	Alternating exposures requested	N	N
[deg] Pointing Roll	119.481513	119.6465767049497	[s] Primary exposure time	0.000000	3.1
[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)	446790590.184000	446789307.02421			
Observation start date	2012-02-28T04:28:44	2012-02-28T04:08:27			
[s] Observation end time (MET)	446792090.184000	446792899.1369			
Observation end date	2012-02-28T04:53:44	2012-02-28T05:08:19			
Read mode	TIMED	TIMED			

2.3 Aspect



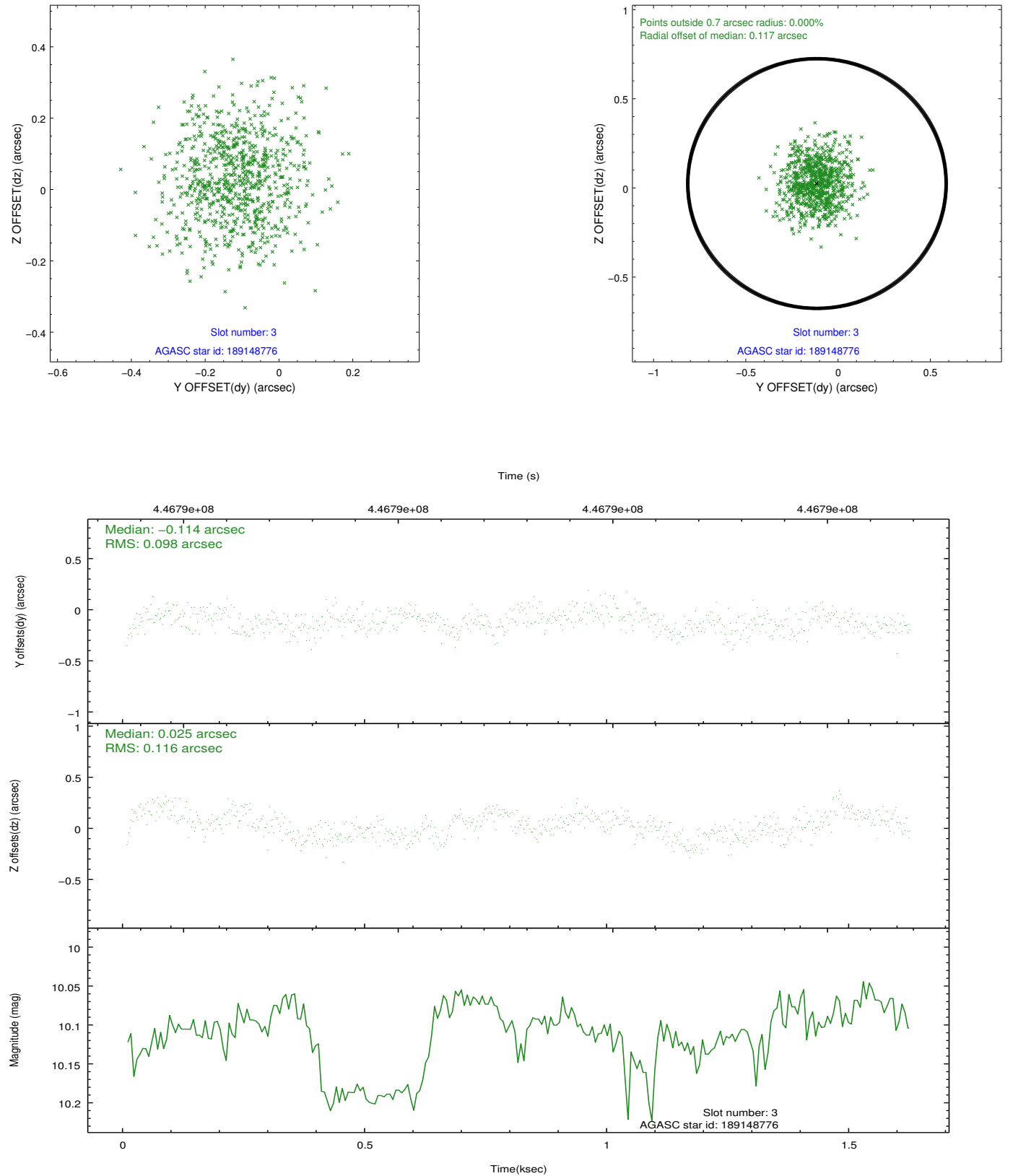


Slot Statistics

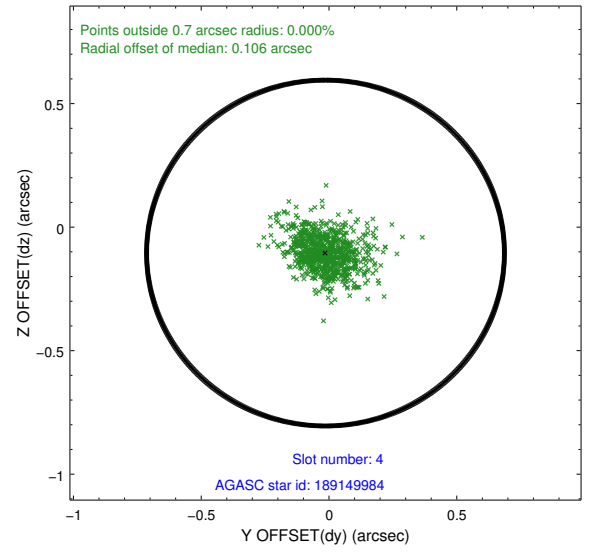
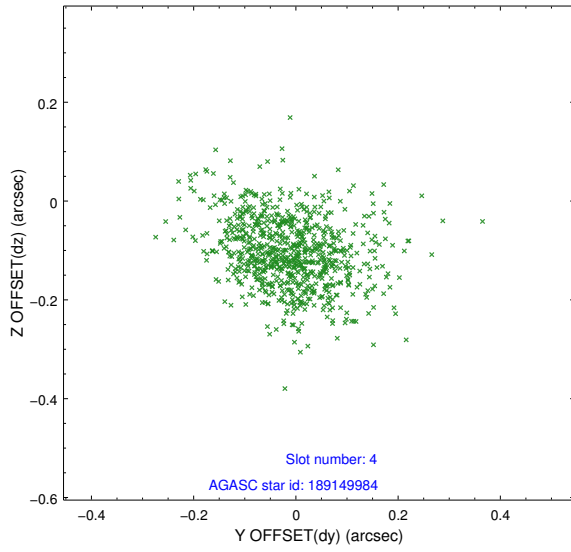
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.83	395	-0.104	-0.011	0.008	0.011	0.000000	0.000000	-769.88	-1737.86
1	FID	ACIS-S-4	6.92	395	0.227	0.053	0.007	0.012	0.000000	0.000000	2141.88	166.40
2	FID	ACIS-S-5	6.95	395	-0.155	-0.033	0.008	0.014	0.000000	0.000000	-1817.52	164.69
3	GUIDE	189148776	10.11	790	-0.114	0.025	0.163	0.267	179.859766	20.783339	1715.25	-433.30
4	GUIDE	189149984	9.70	789	-0.014	-0.105	0.112	0.203	179.851386	19.557402	-2108.41	1766.55
5	GUIDE	189279032	9.81	787	0.024	0.137	0.223	0.339	180.610907	20.122994	-1601.88	-1471.11
6	GUIDE	189280976	9.78	788	0.163	0.029	0.146	0.234	180.297398	20.298875	-530.34	-862.05
7	GUIDE	189280992	9.42	789	-0.035	-0.085	0.103	0.179	180.102015	20.746361	1197.56	-1077.81

2.4 Star Slots

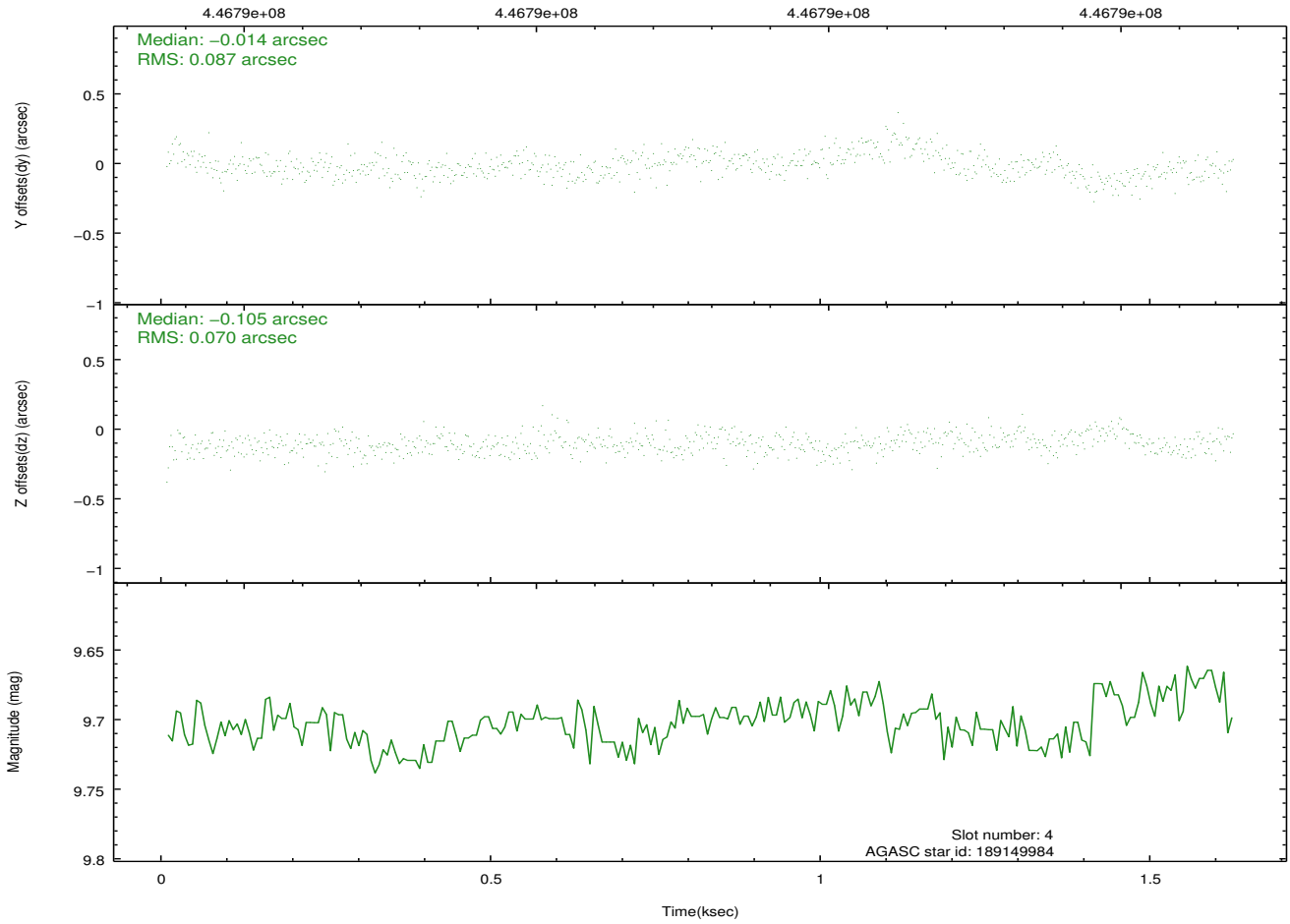
2.4.1 Slot 3



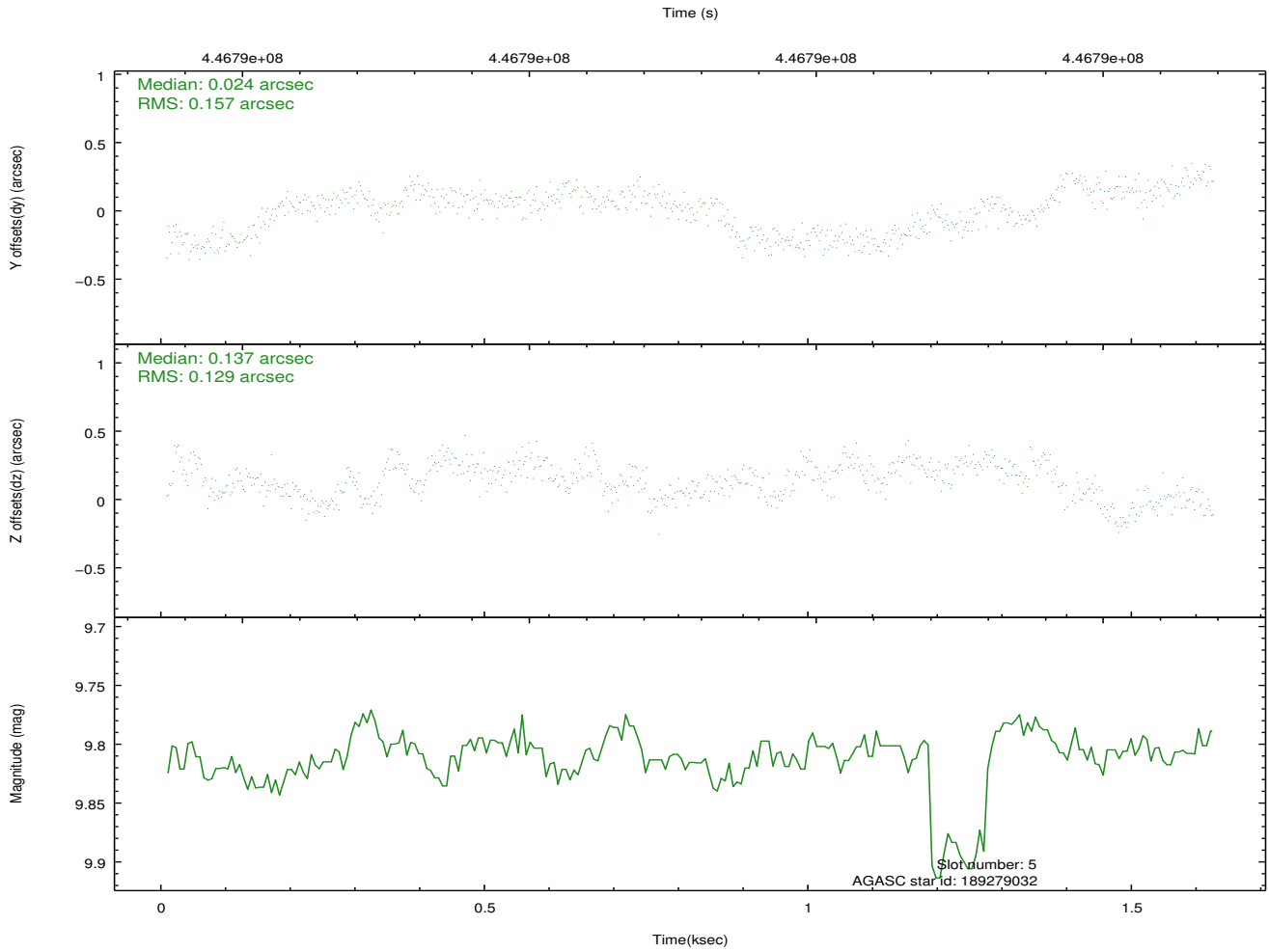
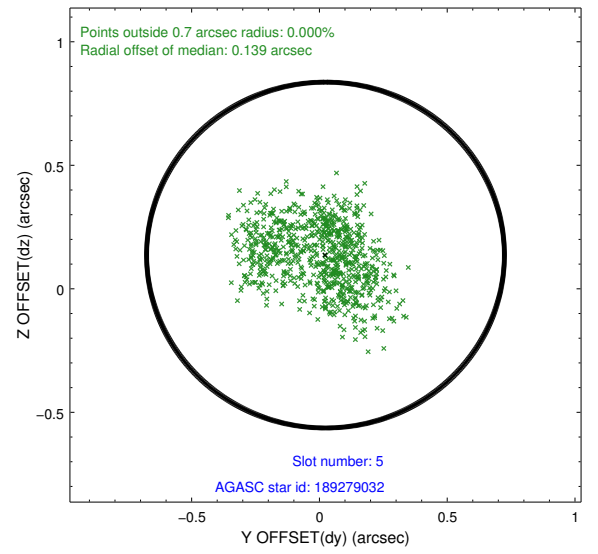
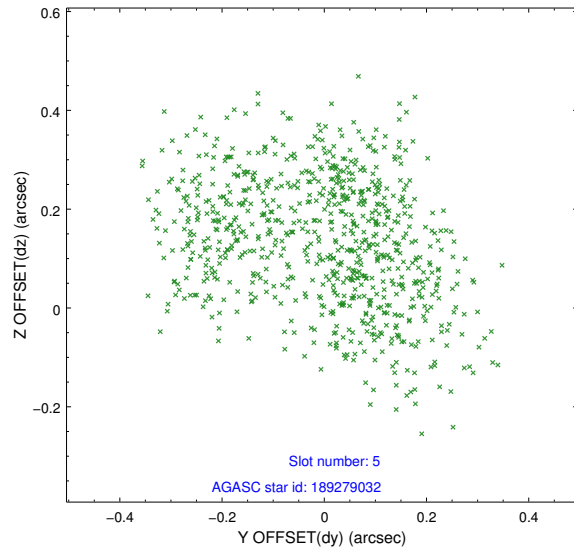
2.4.2 Slot 4



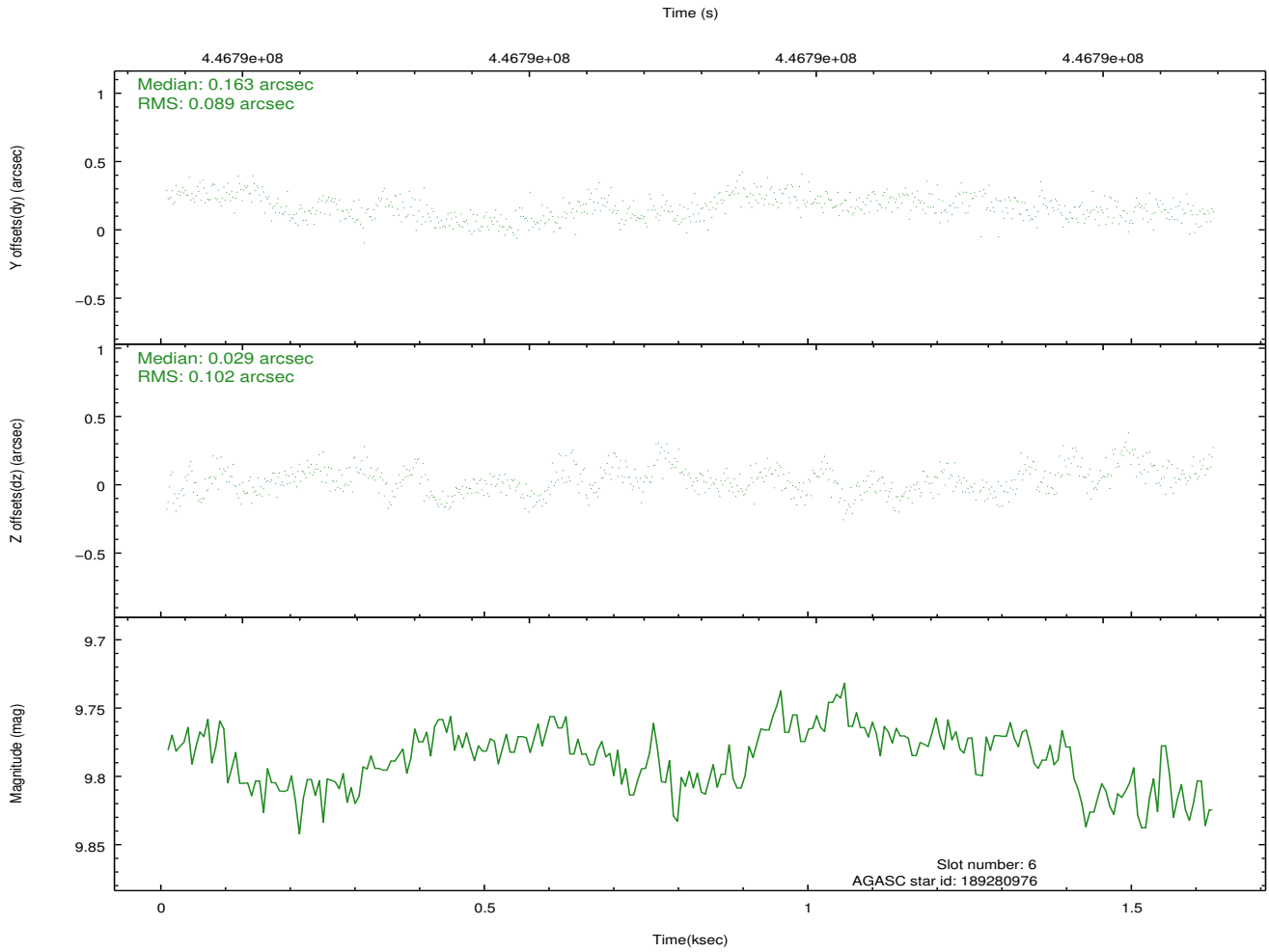
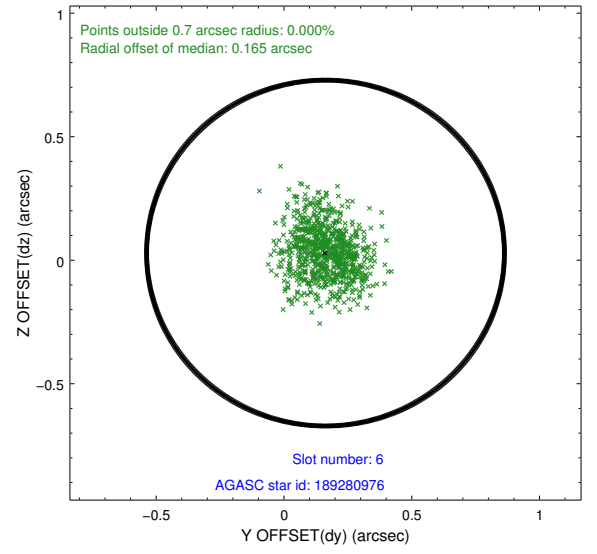
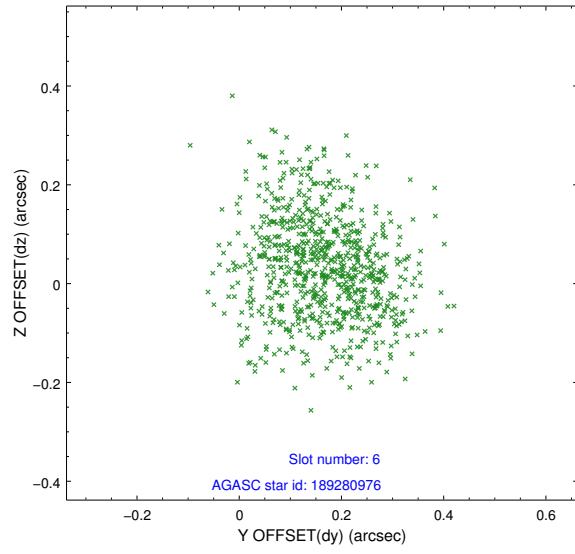
Time (s)



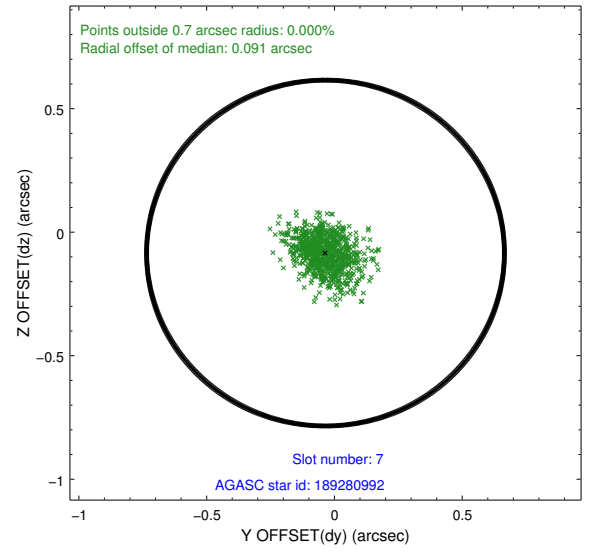
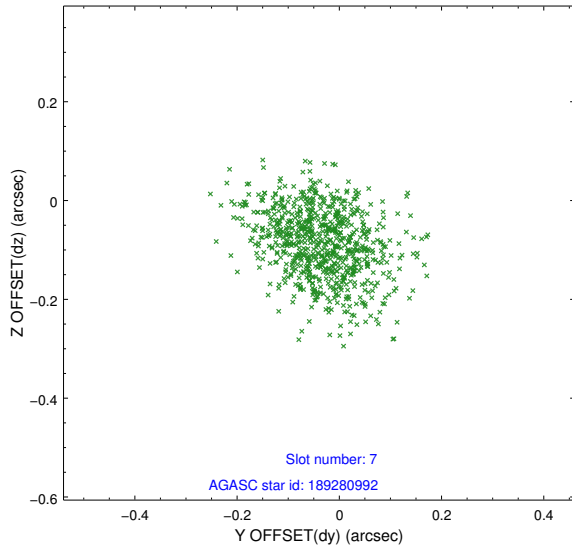
2.4.3 Slot 5



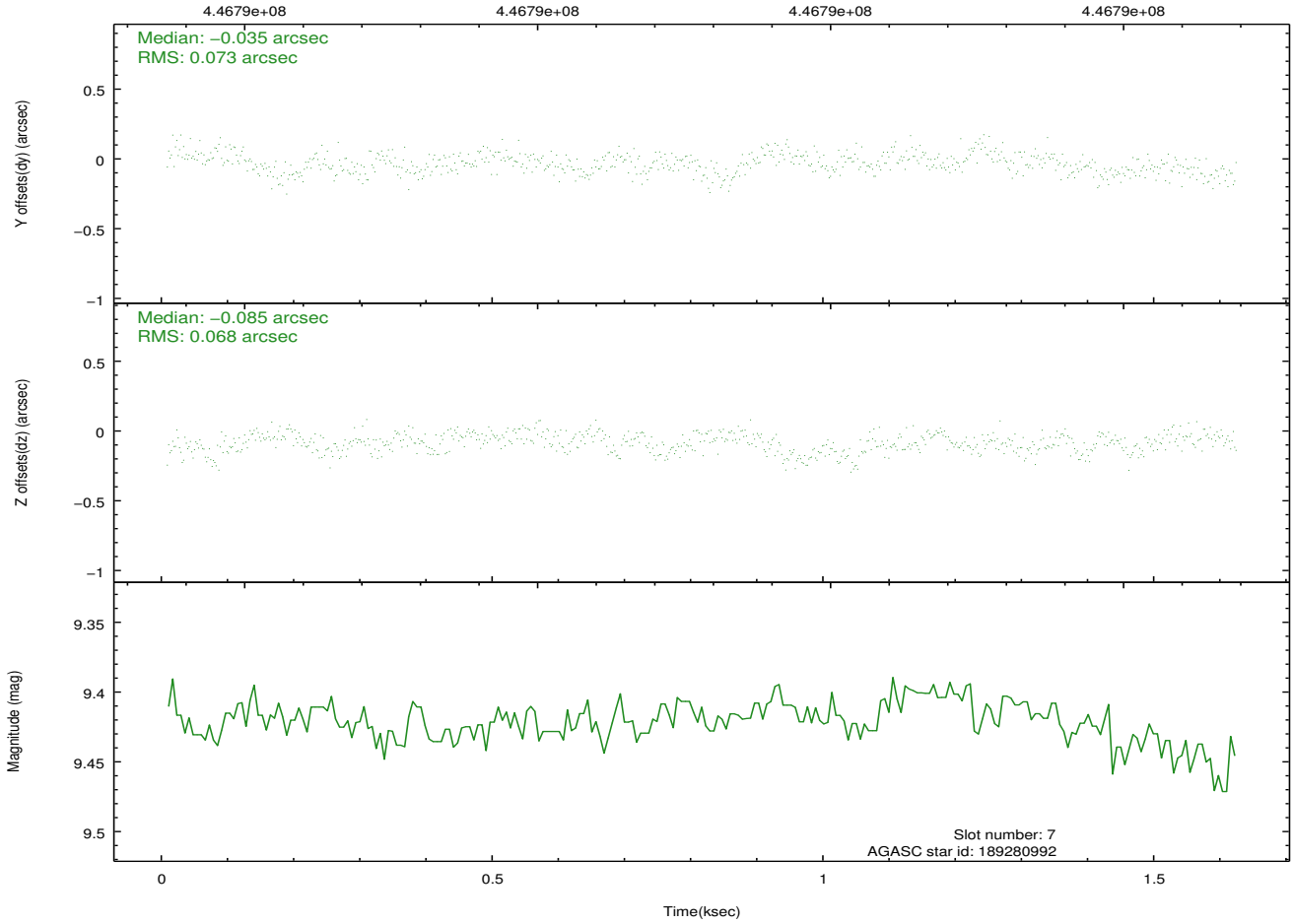
2.4.4 Slot 6



2.4.5 Slot 7

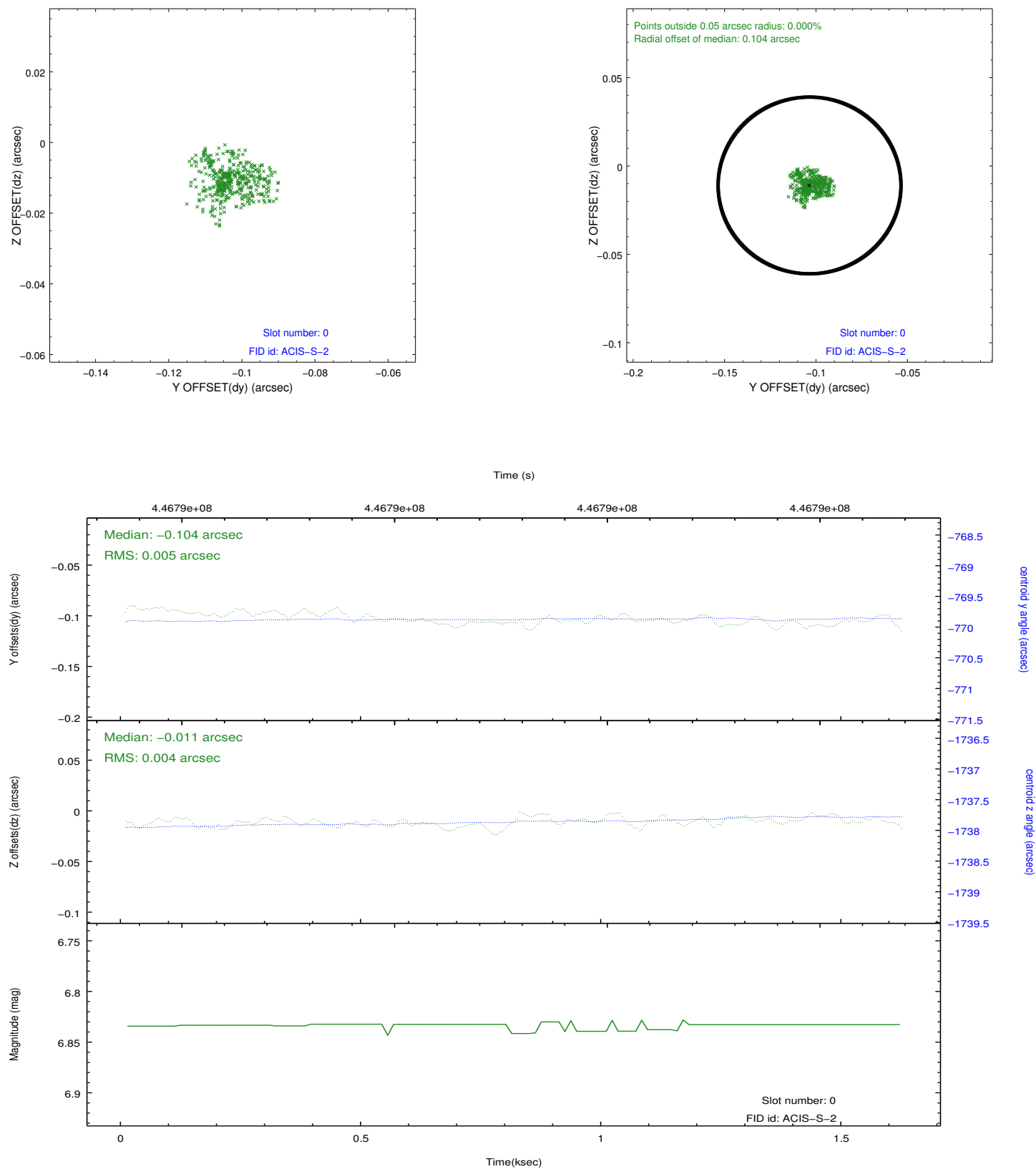


Time (s)

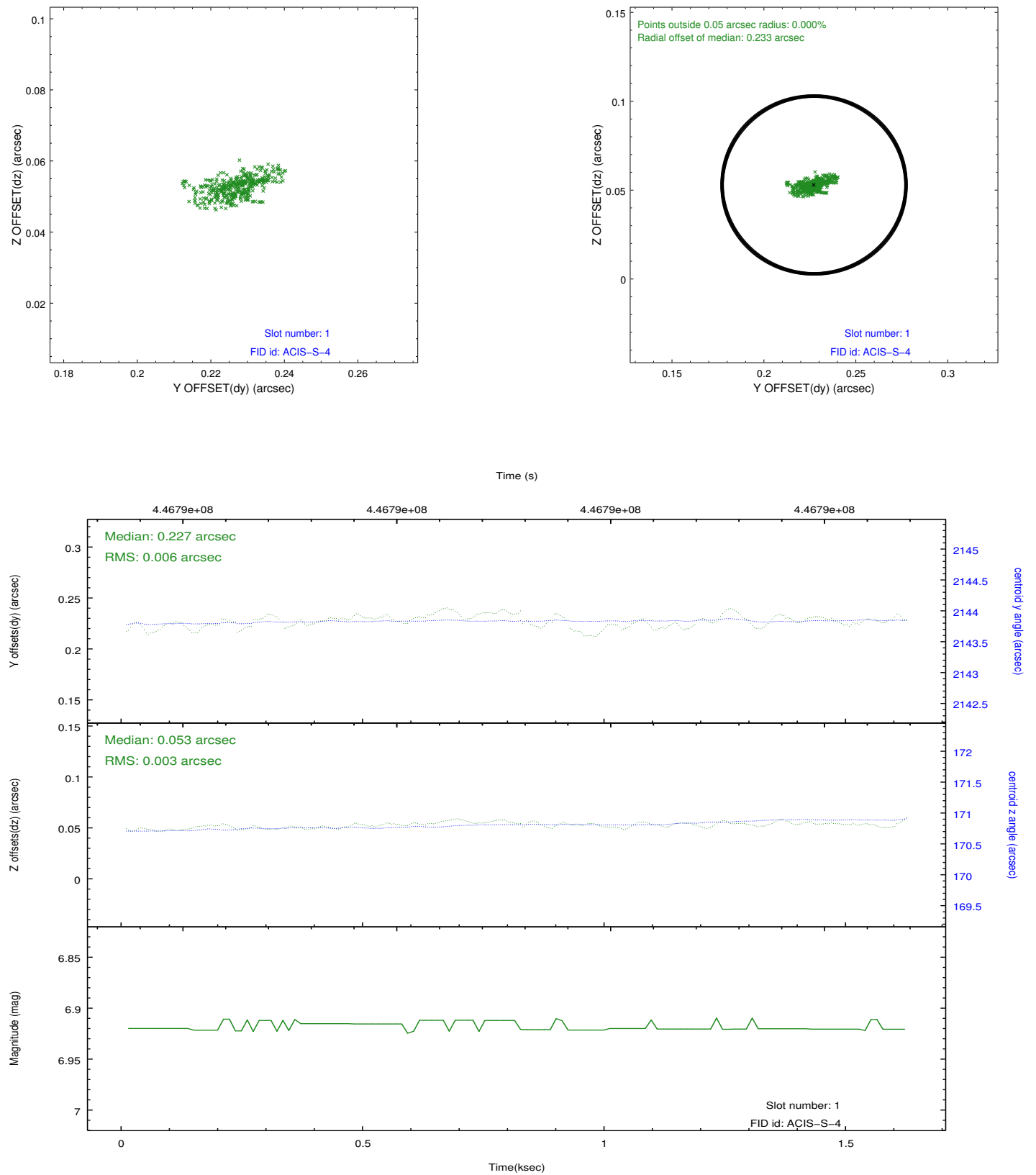


2.5 FID Slots

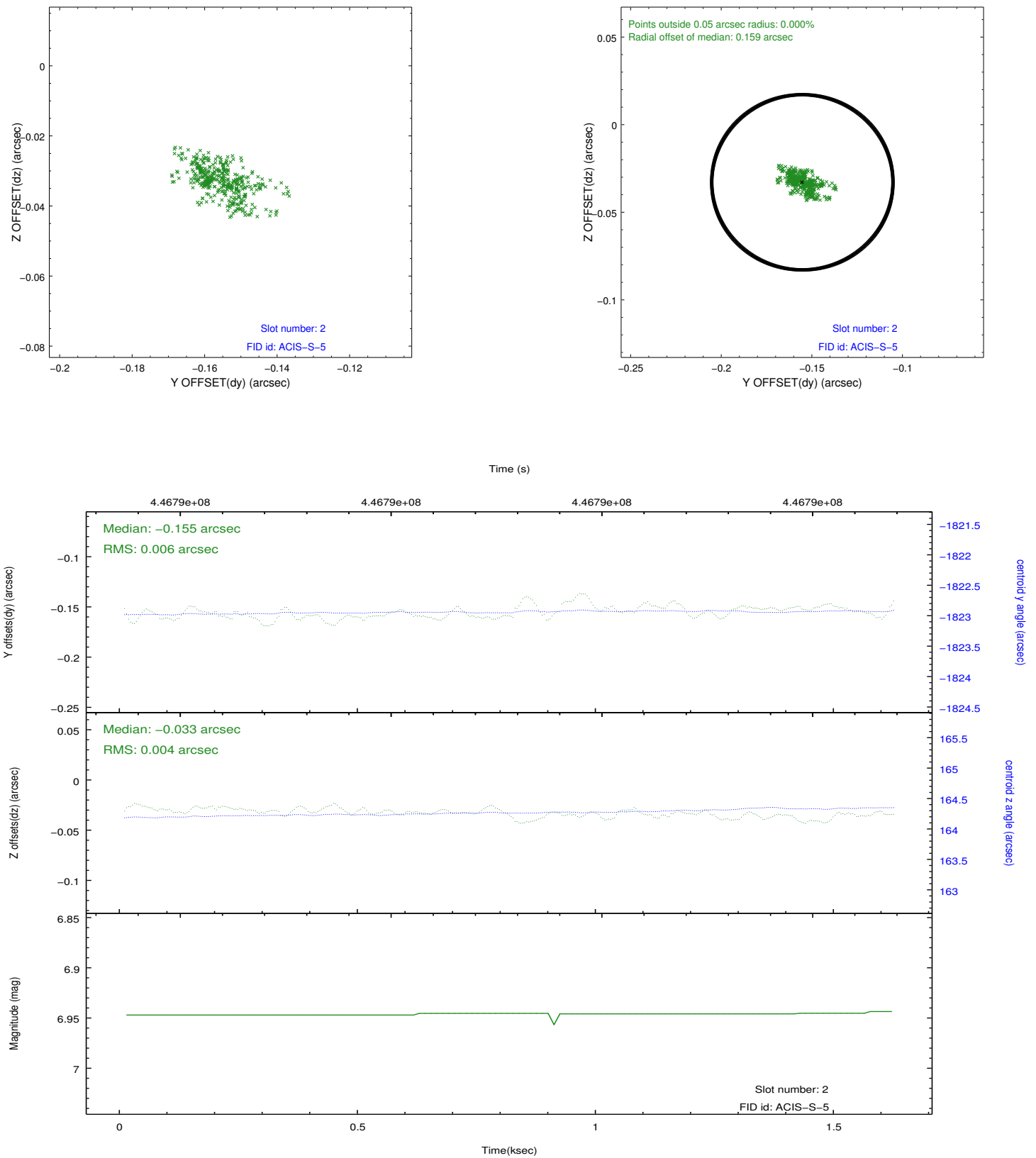
2.5.1 Slot 0



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)	2012.02.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.5775712779164

A.2 Comments