

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 10653 - L2 Version 2
Chandra X-Ray Center

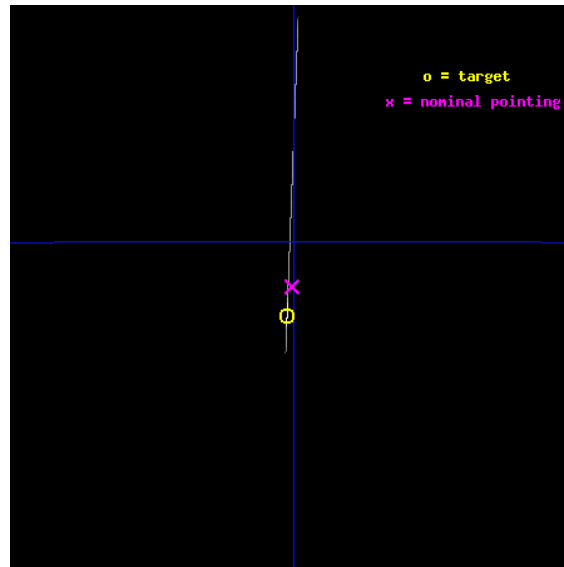
L2 Processing Date : May 28 2012

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1 Front

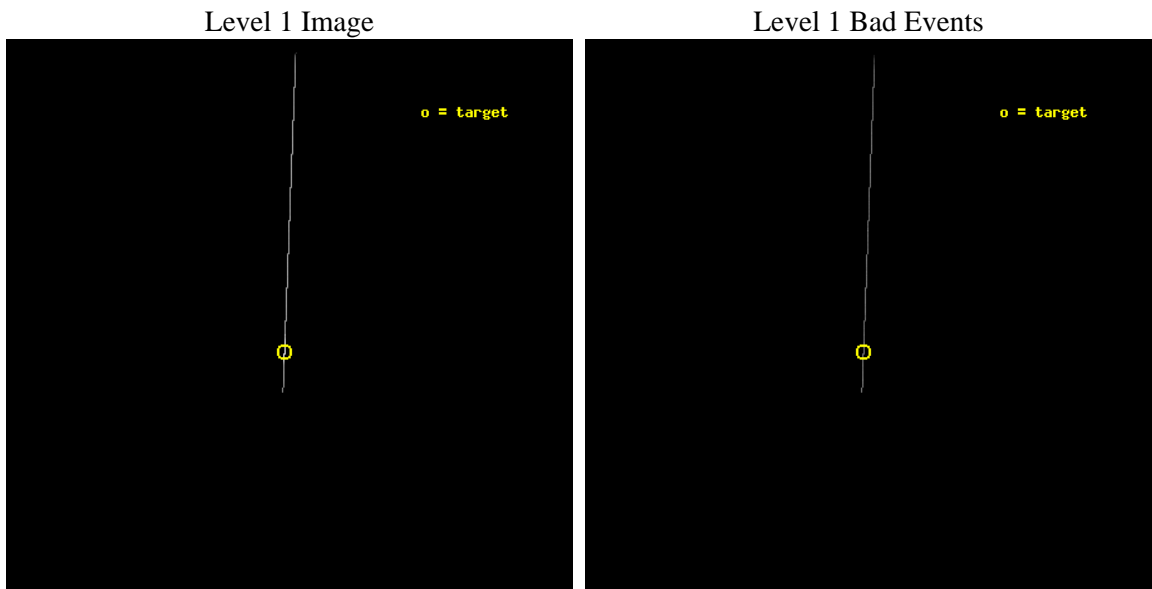
seq_num	590492	Sequence number
obs_id	10653	Observation id
title	AO-10 Calibration Observations of E0102-72	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	E0102-72[S3,-120,1,0,0]	Source name
ra_targ	16.01	Observer's specified target RA [deg]
dec_targ	-72.032028	Observer's specified target Dec [deg]
ra_nom	16.003245452733	Nominal RA [deg]
dec_nom	-72.019507212385	Nominal Dec [deg]
roll_nom	272.14909586441	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8125.75	Sum of GTIs [s]
livetime	8094.0087890625	Livetime [s]
ontime7	8125.75	Sum of GTIs [s]
l2events	82726	Number of level 2 events



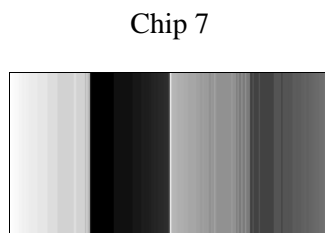
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	8000.804000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	8125.75	Sum of GTIs [s]
caldsver	4.4.9	 	ontime7	8125.75	Sum of GTIs [s]
date	2012-05-28T13:34:29	Date and time of file creation	l1events	97908	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

	ccd 7
level 1 events	97908
rejected events	12608
rejected %	12%

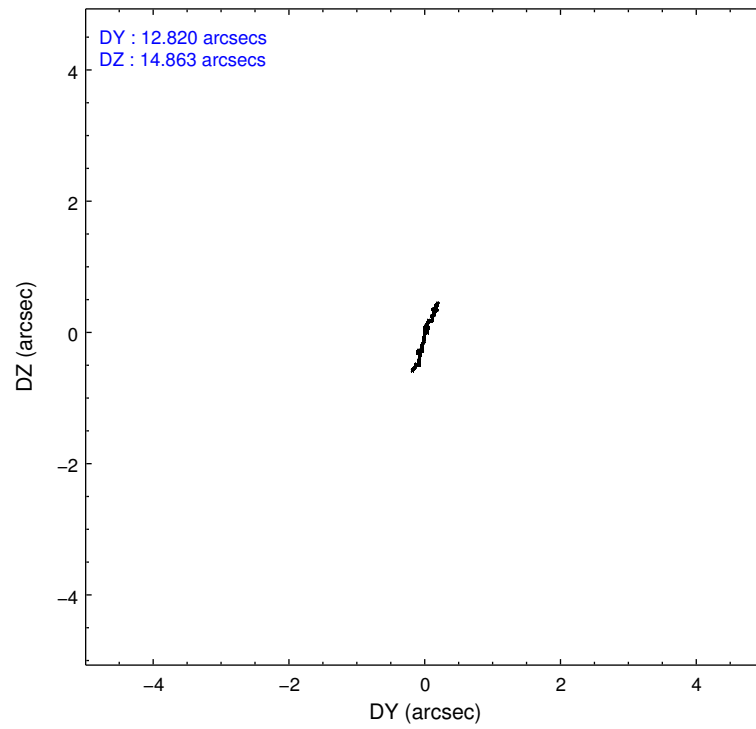
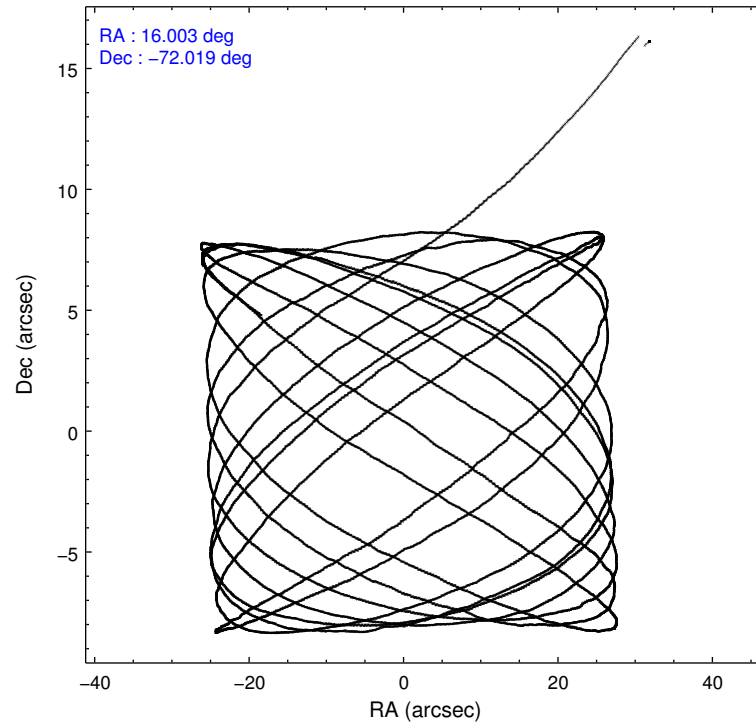
	ccd 7
grade 0 events	21502
	21%
grade 1 events	138
	0%
grade 2 events	25516
	26%
grade 3 events	8972
	9%
grade 4 events	8764
	8%
grade 5 events	7336
	7%
grade 6 events	25680
	26%
grade 7 events	0
	0%

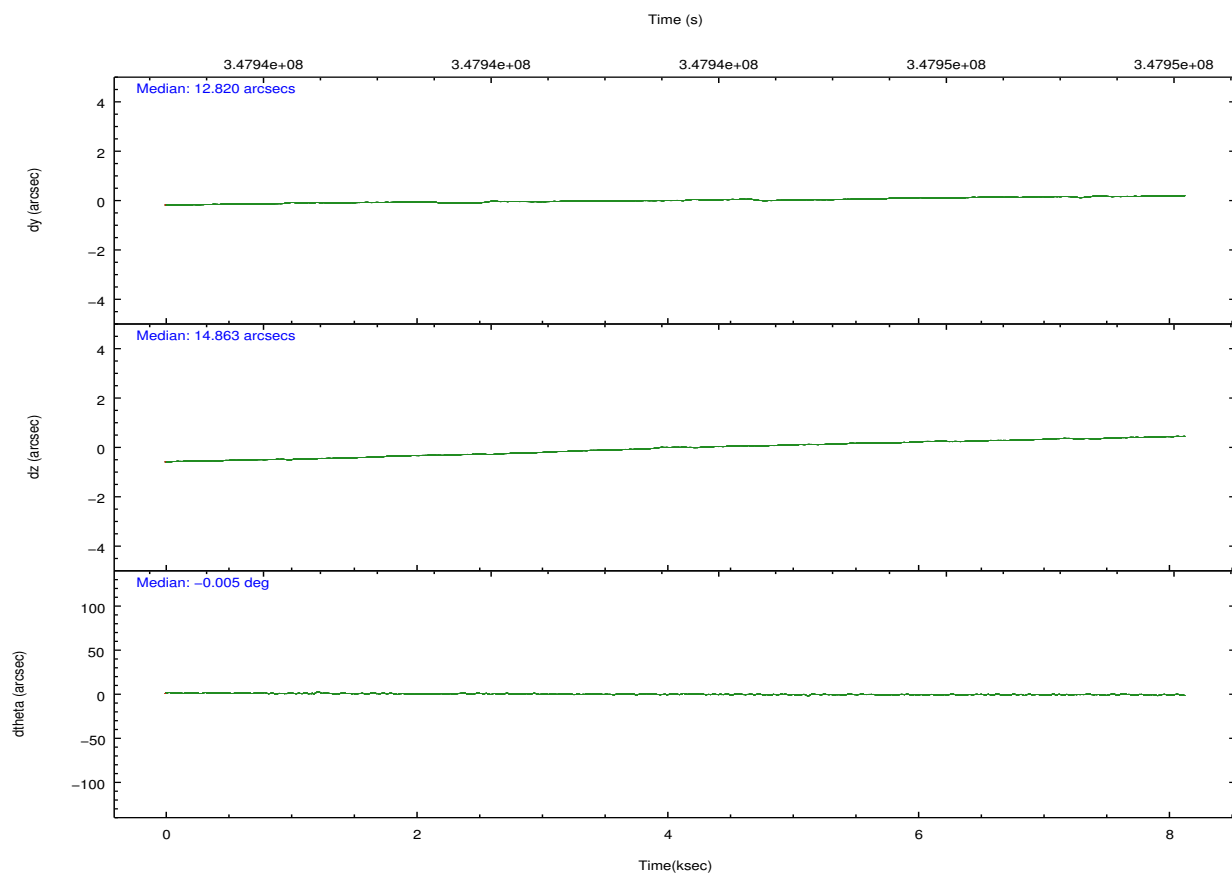
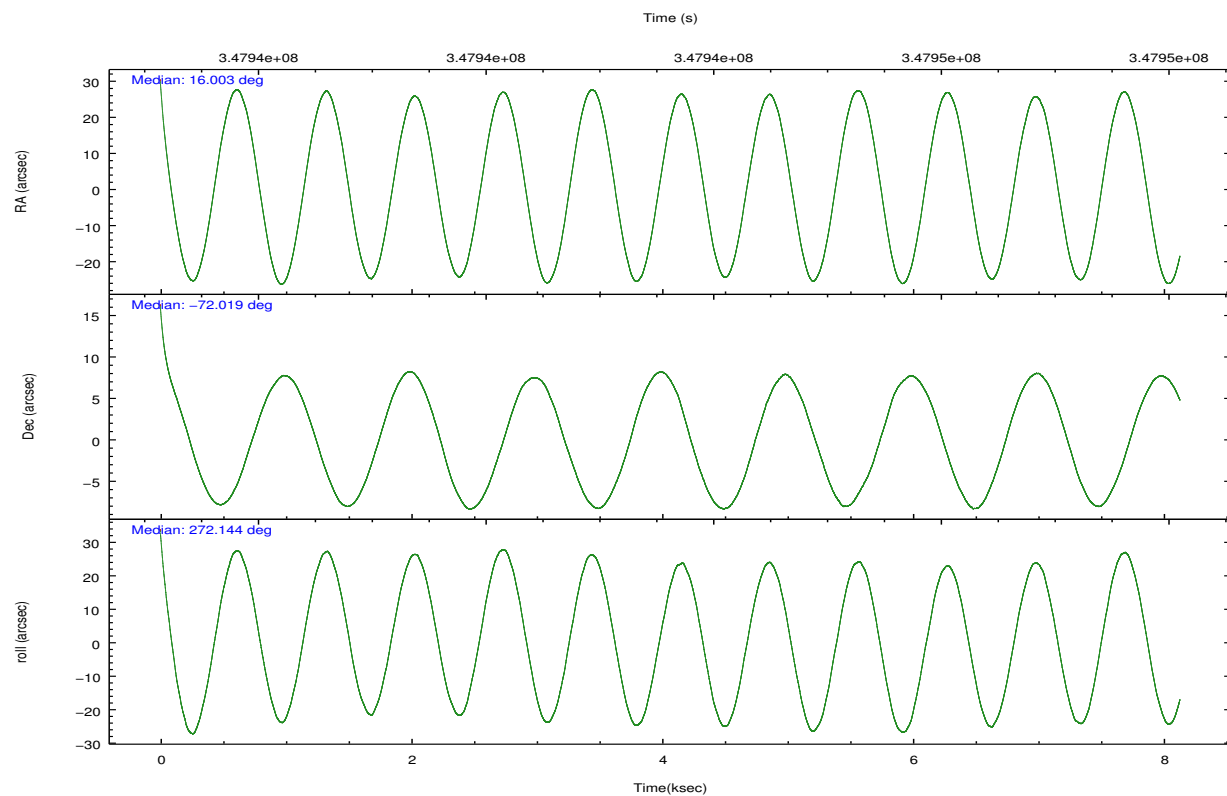
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-7	ACIS-7
Grating	NONE	NONE
Data mode	CC33_FAINT	CC33_FAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	15.955264	16.00324545273339
[deg] Pointing Dec	-71.996596	-72.01950721238526
[deg] Pointing Roll	271.946832	272.1490958644089
[s] Window start time (MET)	344476865.184000	344476865.184000
[s] Window stop time (MET)	357436866.184000	357436866.184000
[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)	347939675.184000	347938322.0239
Observation start date	2009-01-10T01:53:29	2009-01-10T01:32:02
[s] Observation end time (MET)	347947676.184000	347947899.62438
Observation end date	2009-01-10T04:06:50	2009-01-10T04:11:39
Read mode	CONTINUOUS	CONTINUOUS

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	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	0

2.3 Aspect



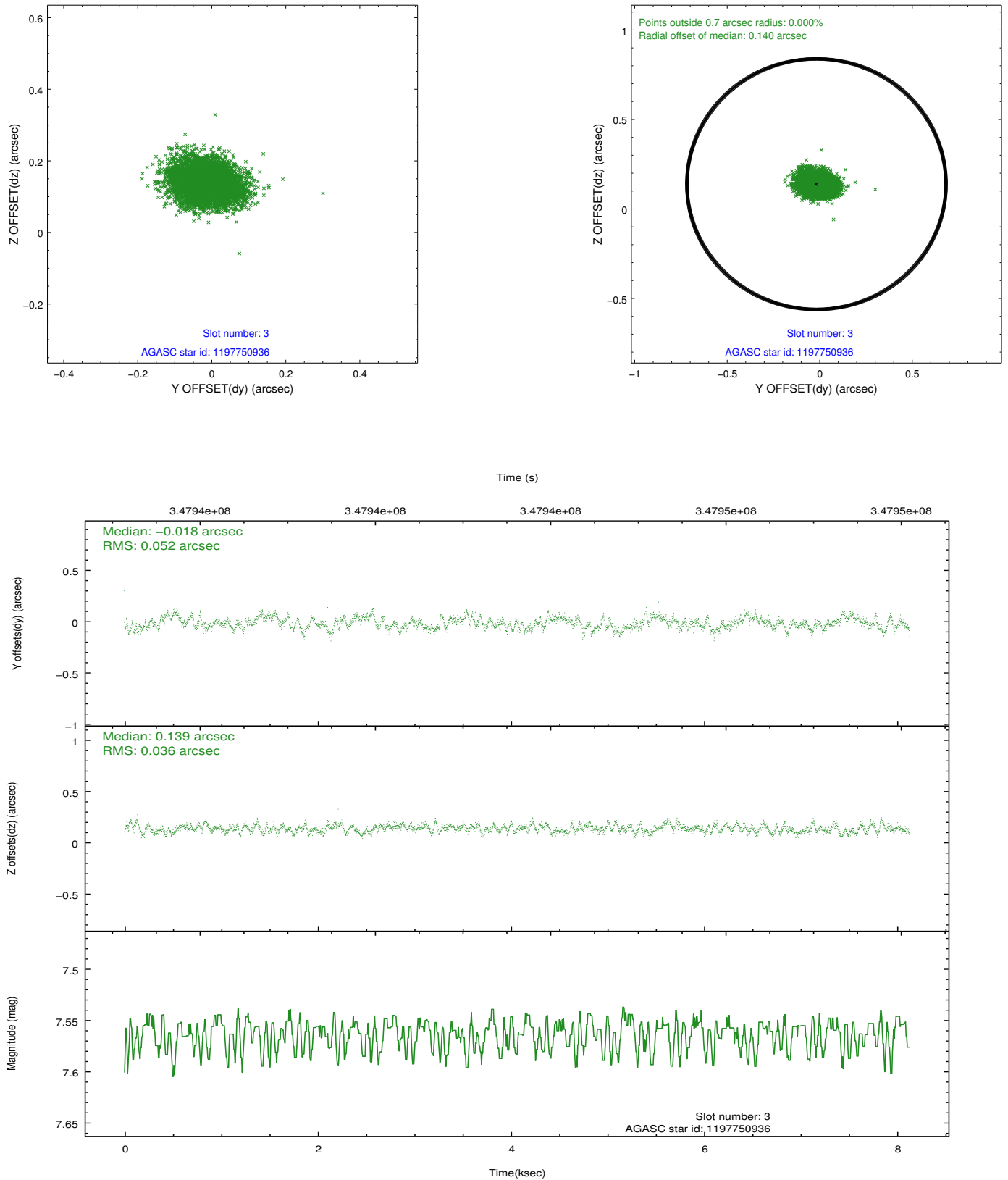


Slot Statistics

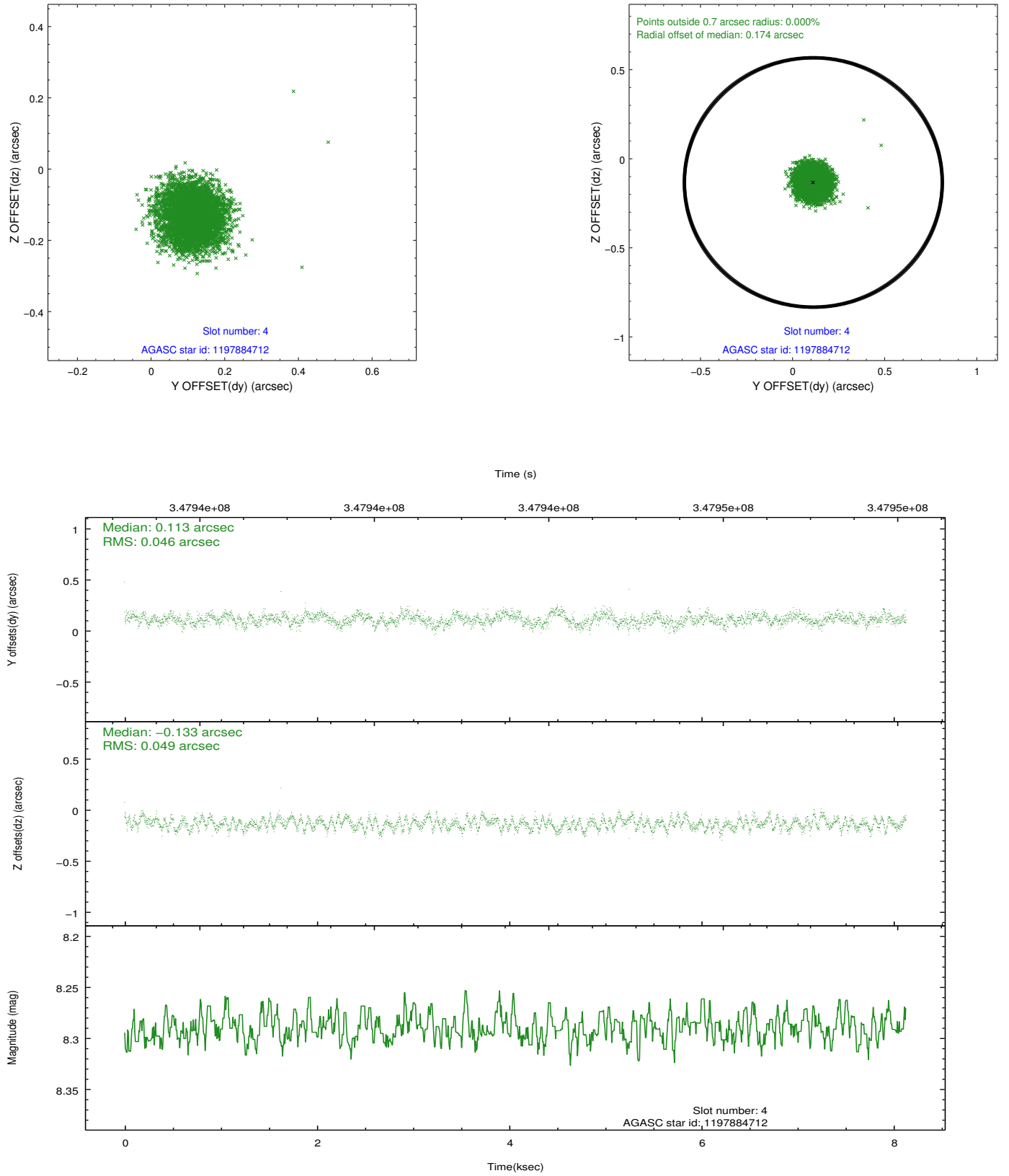
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.95	1983	-0.047	-0.031	0.009	0.015	0.000000	0.000000	-765.76	-1736.18
1	FID	ACIS-S-4	7.03	1984	0.164	0.031	0.010	0.018	0.000000	0.000000	2147.38	171.69
2	FID	ACIS-S-5	7.06	1984	-0.149	0.008	0.010	0.015	0.000000	0.000000	-1817.85	166.07
3	GUIDE	1197750936	7.56	3968	-0.018	0.139	0.067	0.109	15.387940	-71.549550	-1626.56	-591.22
4	GUIDE	1197884712	8.29	3967	0.113	-0.133	0.073	0.113	16.087398	-72.252690	926.62	113.55
5	GUIDE	1197885104	9.35	3962	0.018	0.018	0.113	0.184	17.845067	-72.189368	797.94	2054.58
6	GUIDE	1197885328	7.24	3968	-0.015	-0.091	0.062	0.104	16.283090	-71.733943	-931.29	403.20
7	GUIDE	1198283128	7.80	3966	-0.104	0.068	0.054	0.086	17.272580	-72.642428	2387.15	1334.94

2.4 Star Slots

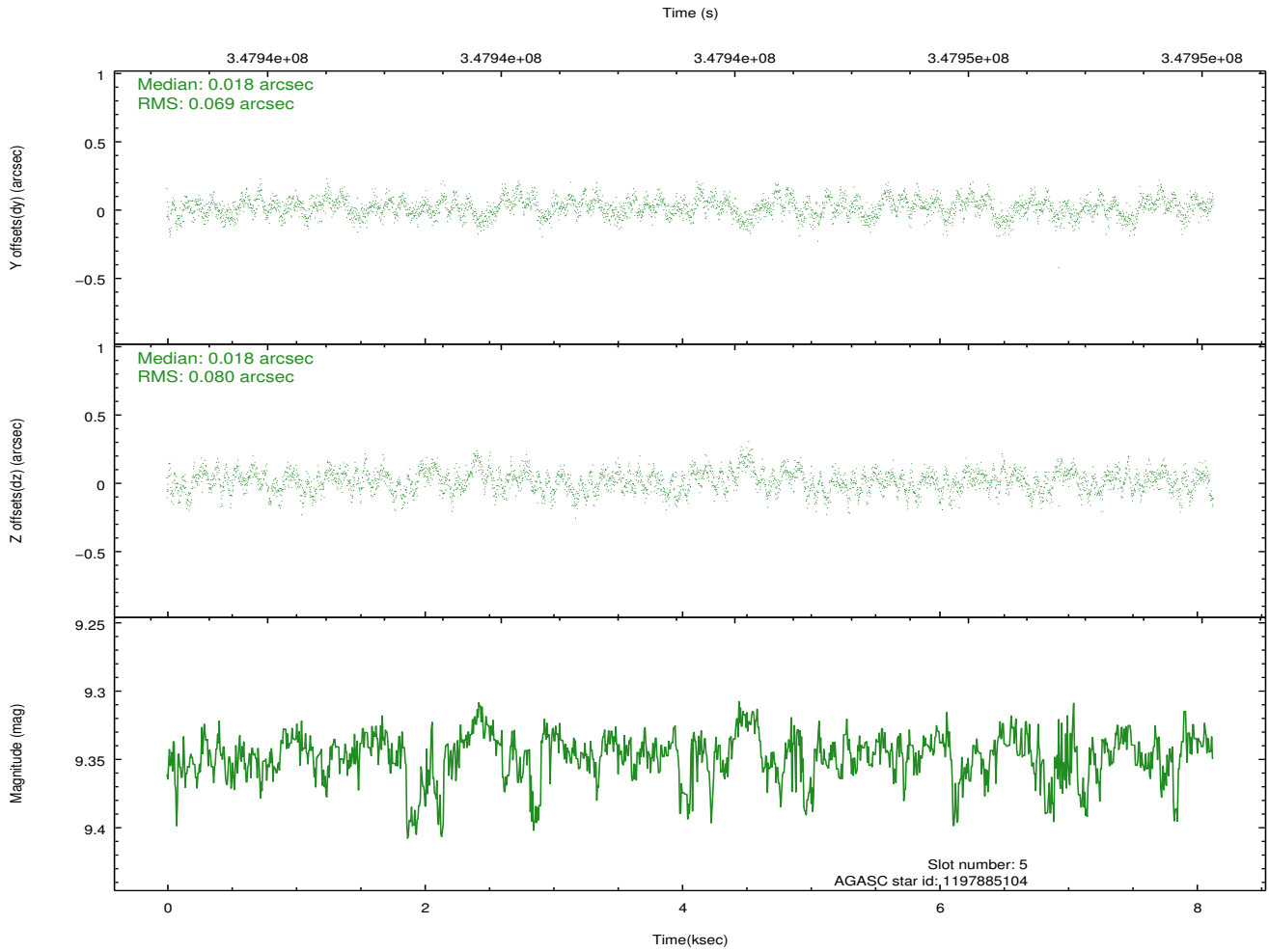
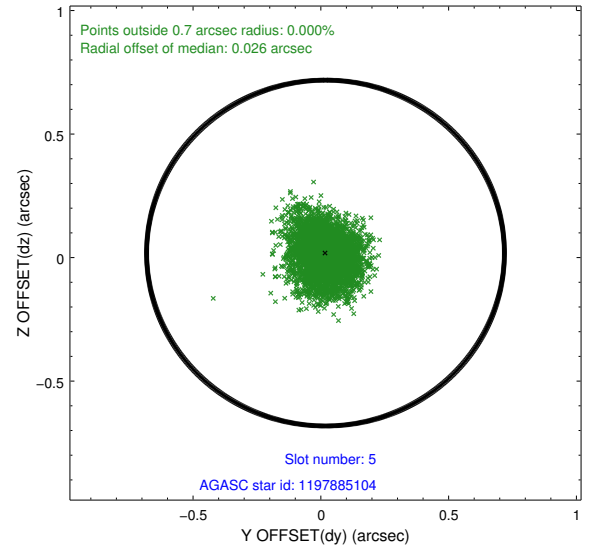
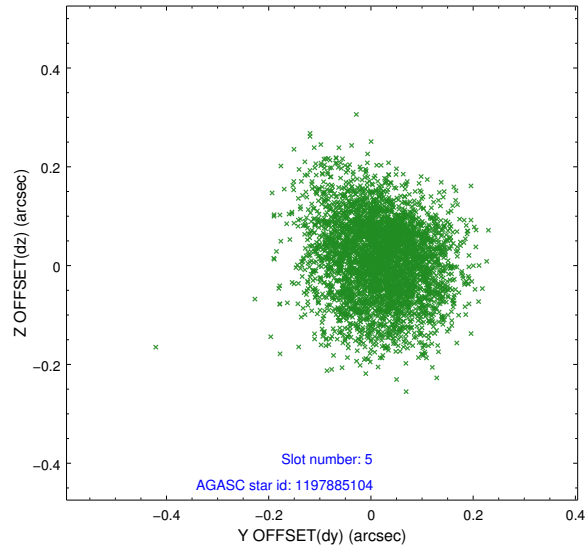
2.4.1 Slot 3



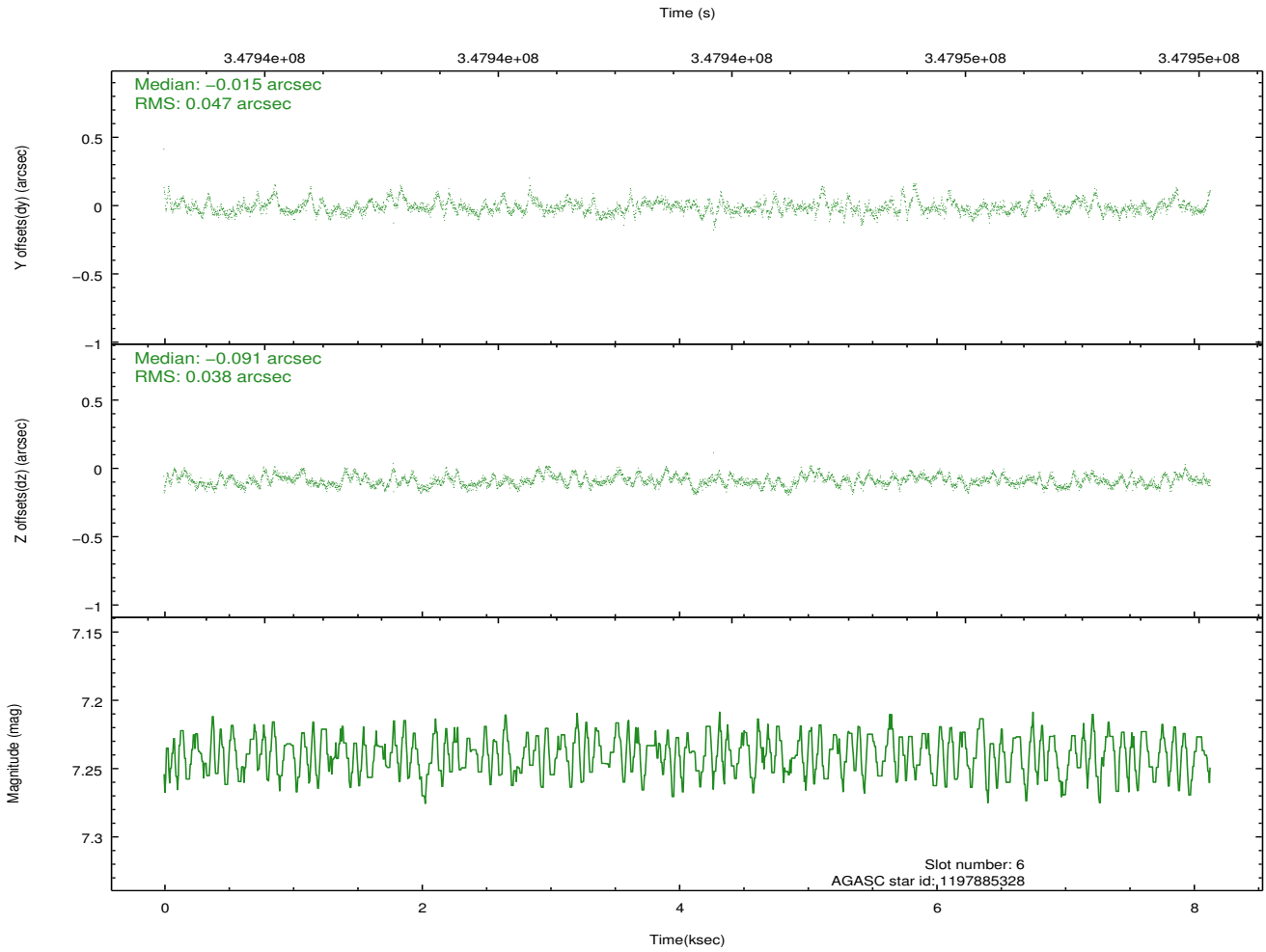
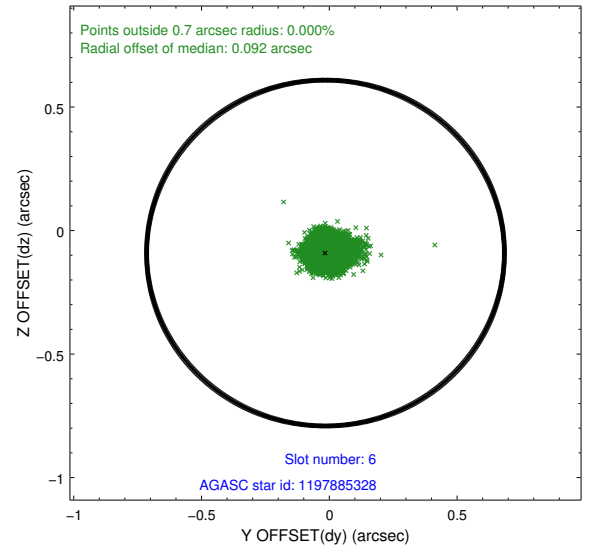
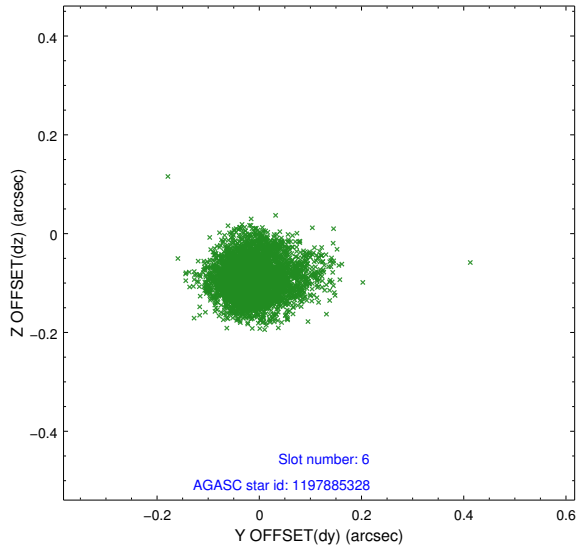
2.4.2 Slot 4



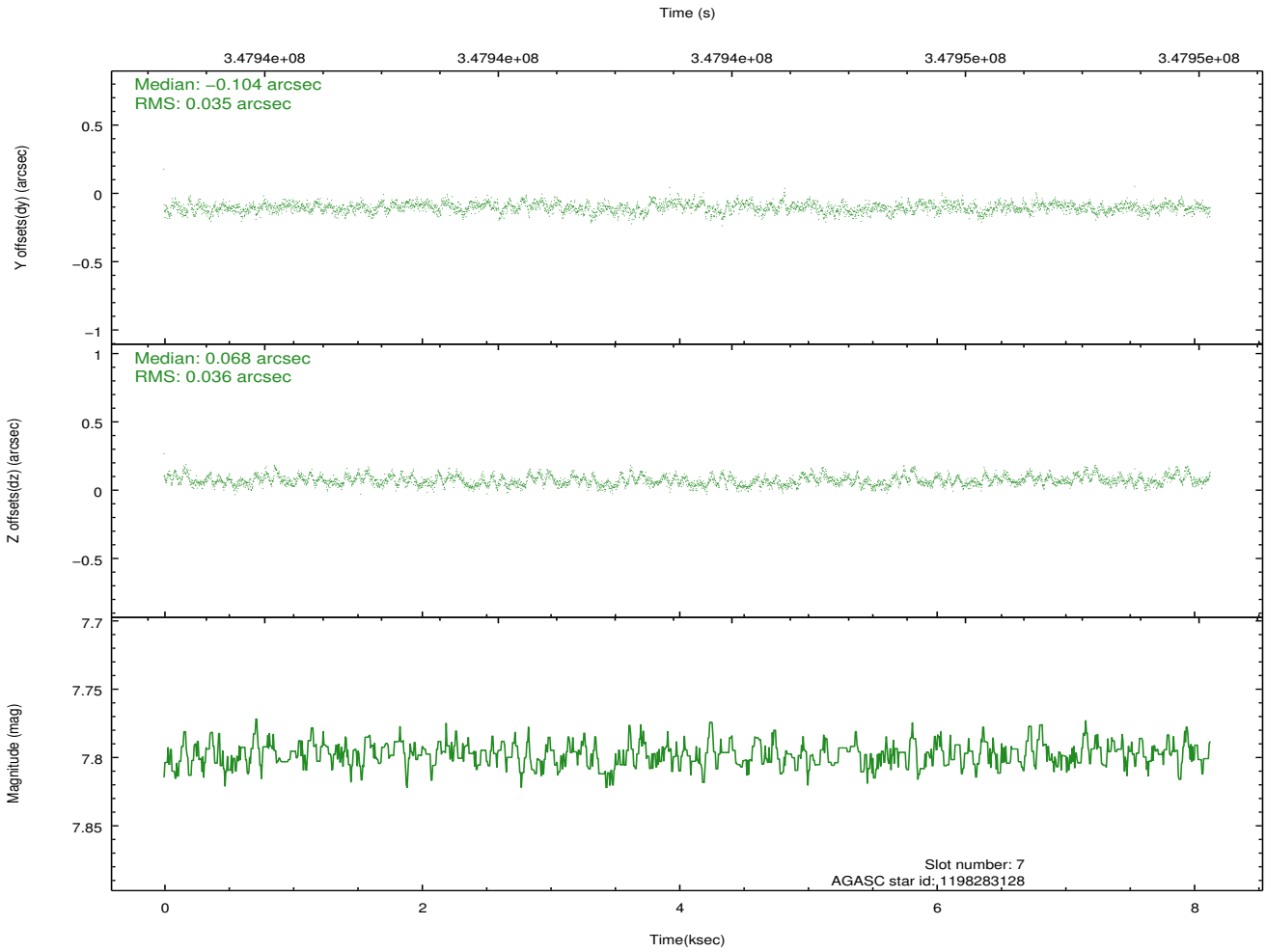
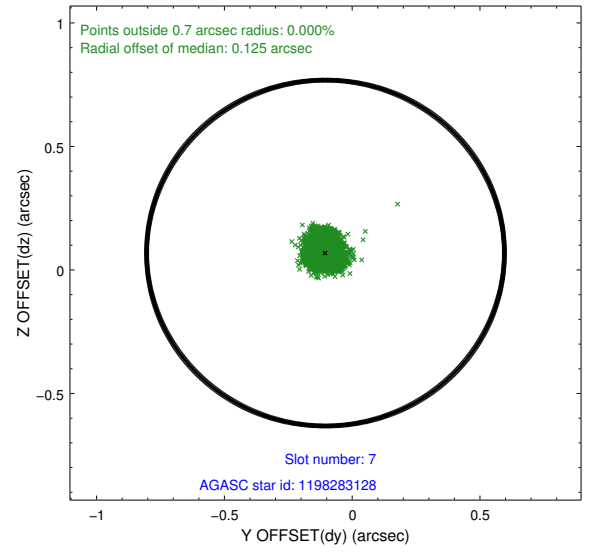
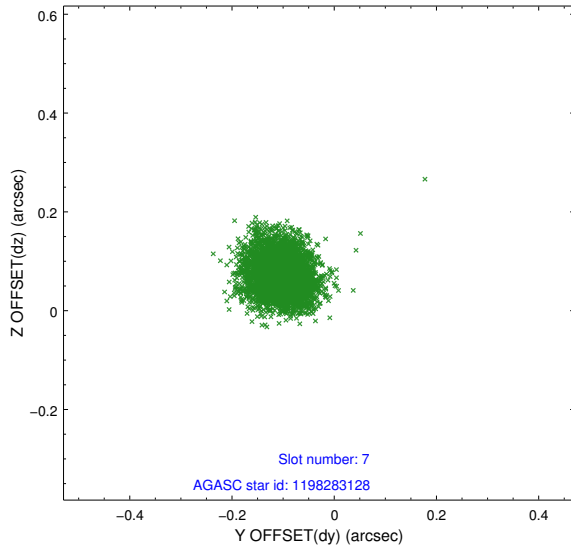
2.4.3 Slot 5



2.4.4 Slot 6

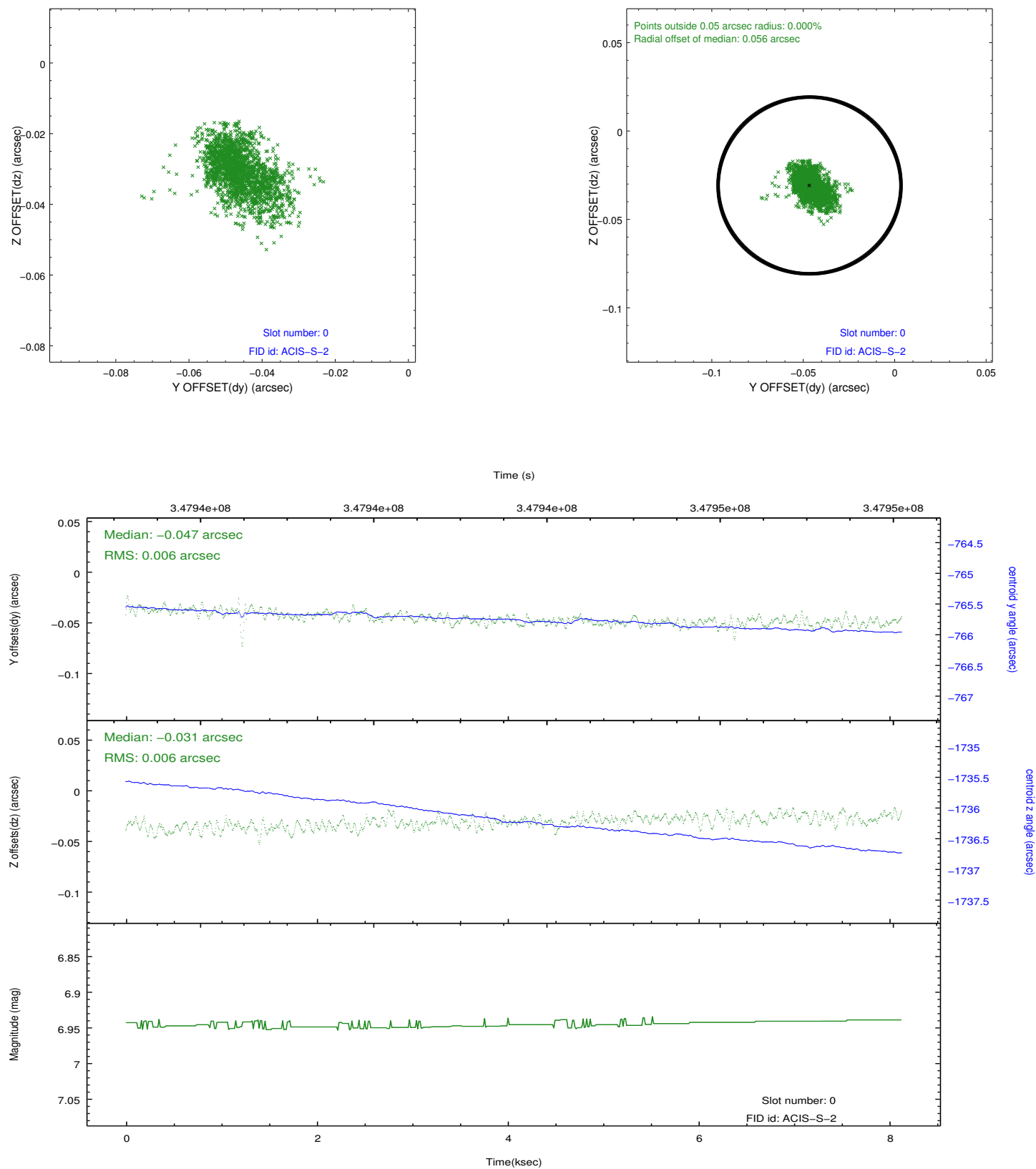


2.4.5 Slot 7

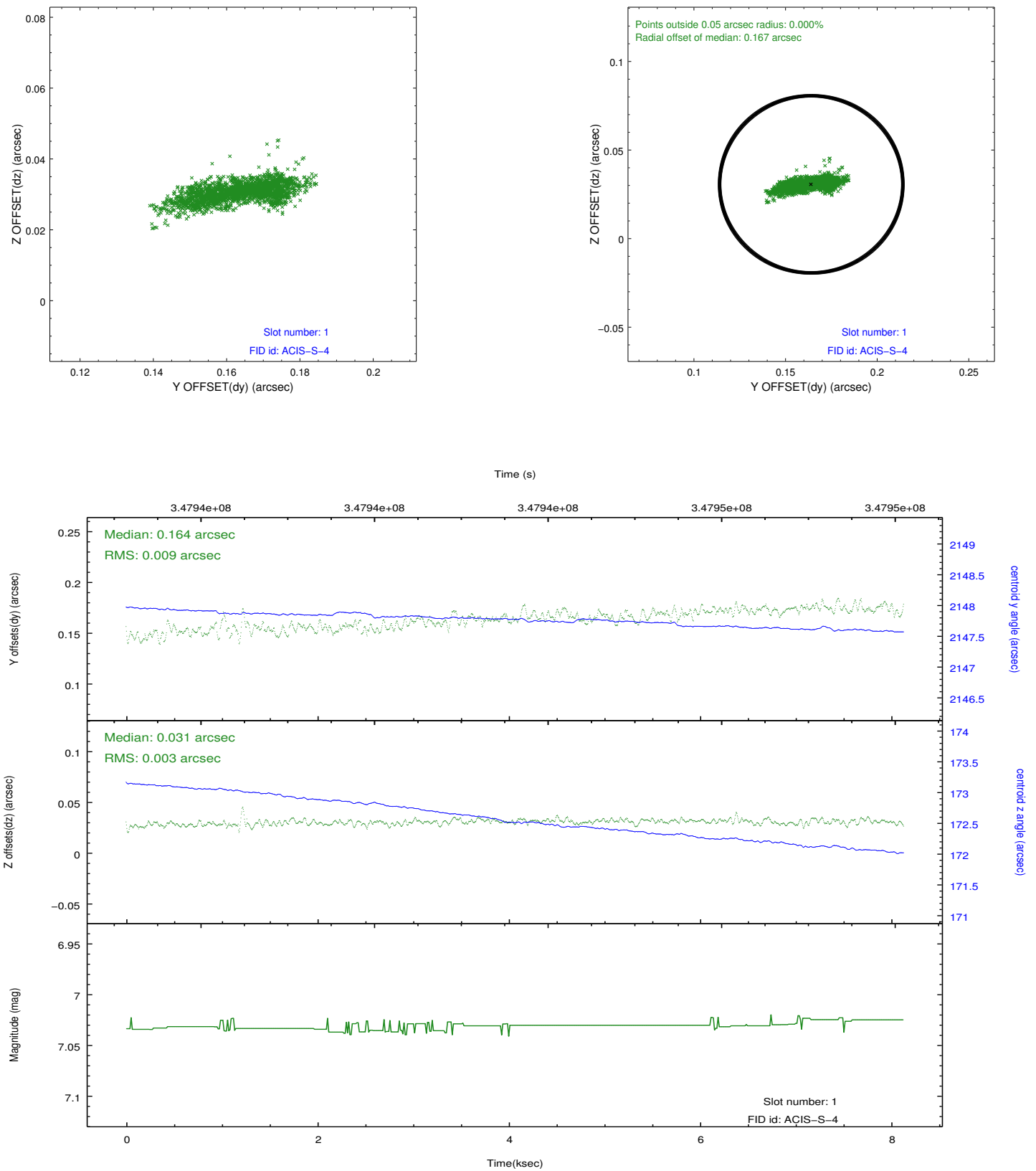


2.5 FID Slots

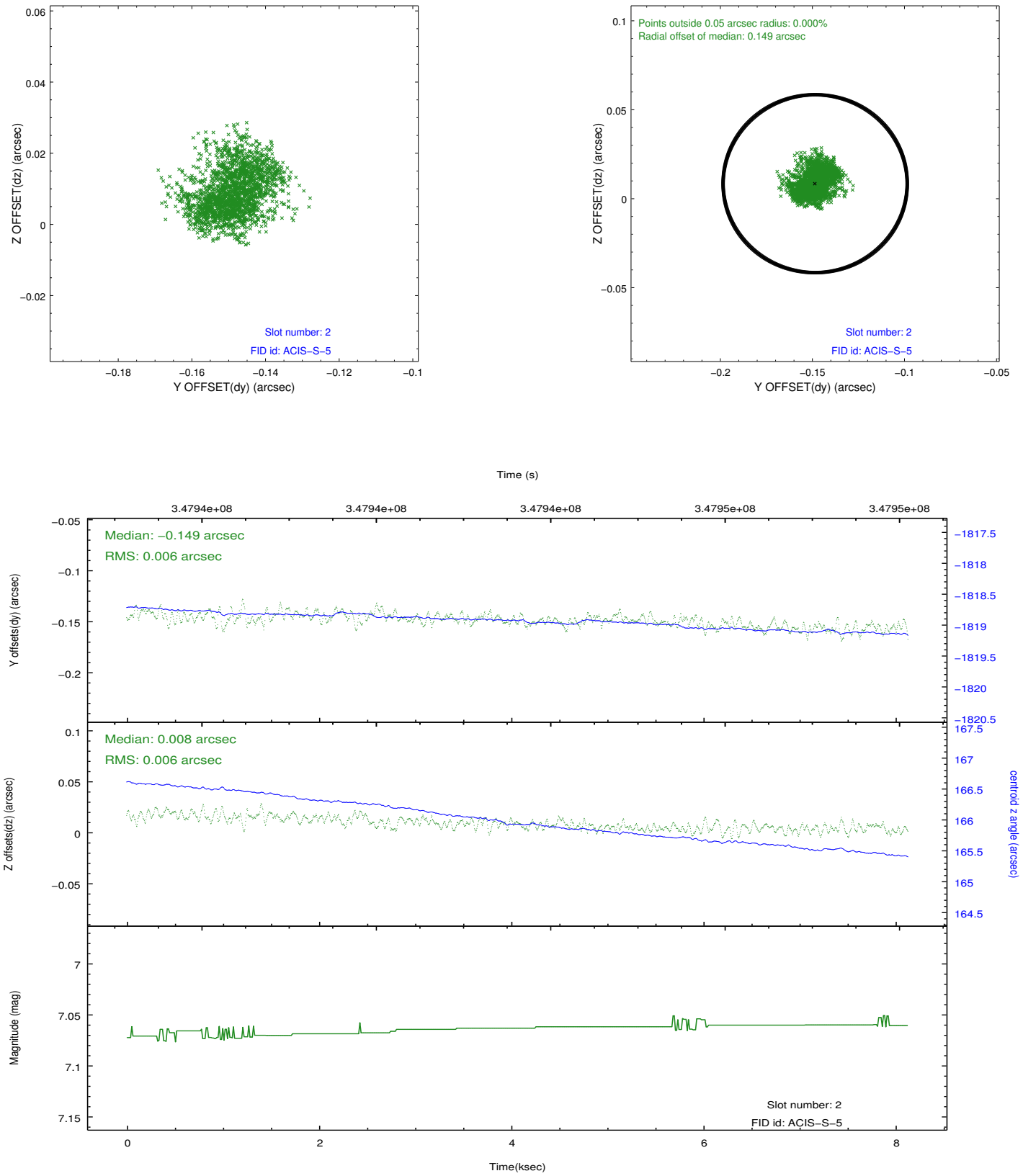
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.05.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.12575

A.2 Comments