

V&V Reference Report

L2 ASCDS Version : 7.6.10

Observation 2822 - L2 Version 001
Chandra X-Ray Center

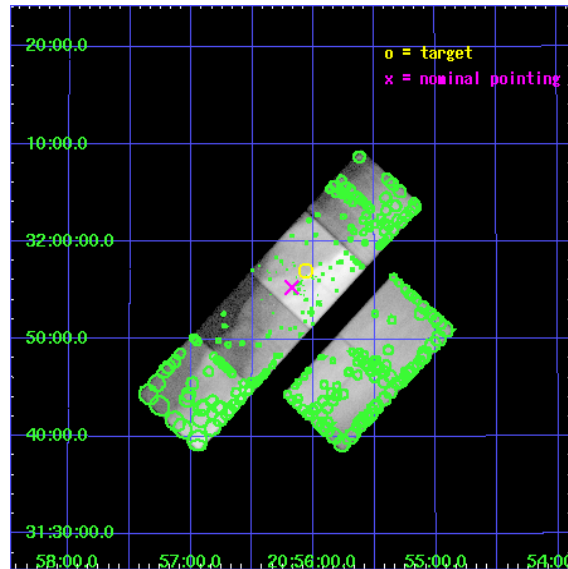
L2 Processing Date : Jan 18 2007

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1 Front

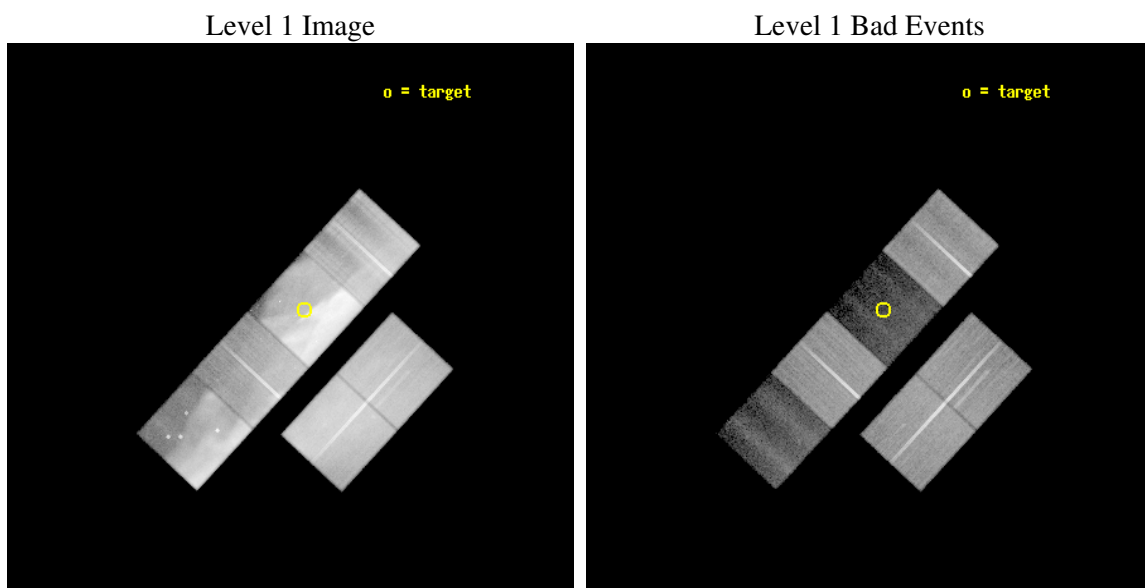
seq_num	500272
obs_id	2822
title	BALMER-DOMINATED SHOCKS IN THE CYGNUS LOOP: PROBING COLLISIONLESS SHOCK PHYSICS
observer	Dr. Terrance Gaetz
object	CYGNUS LOOP NE1
dtcycle	0
cycle	P
ra_targ	314.015667
dec_targ	31.950731
ra_nom	314.04400597169
dec_nom	31.922021554296
roll_nom	312.6950818782
revision	2
ontime	59935.672393724
livetime	59176.730820946
ontime2	59929.190493137
ontime3	59932.431293905
ontime5	59942.154214576
ontime6	59945.395174816
ontime7	59935.672393724
ontime8	59932.431353718
l2events	3031179



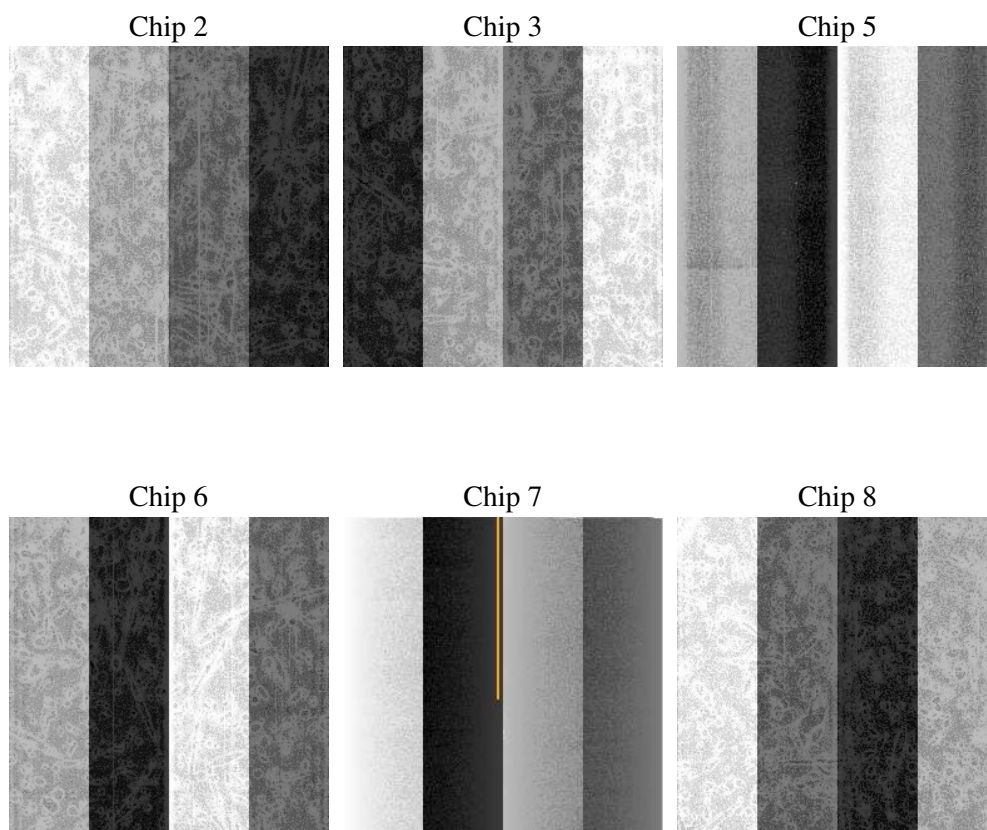
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.10
caldsver	3.3.0
date	2007-01-18T06:23:19
revision	2

sched_exp_time	60000.000000
ontime	59935.672393724
ontime2	59929.190493137
ontime3	59932.431293905
ontime5	59942.154214576
ontime6	59945.395174816
ontime7	59935.672393724
ontime8	59932.431353718
l1events	4413599

2.1.4 Events

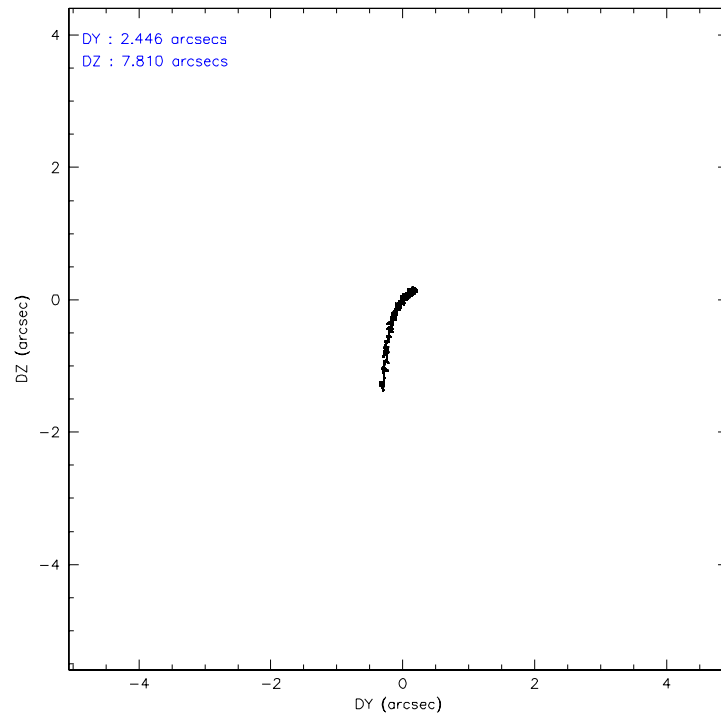
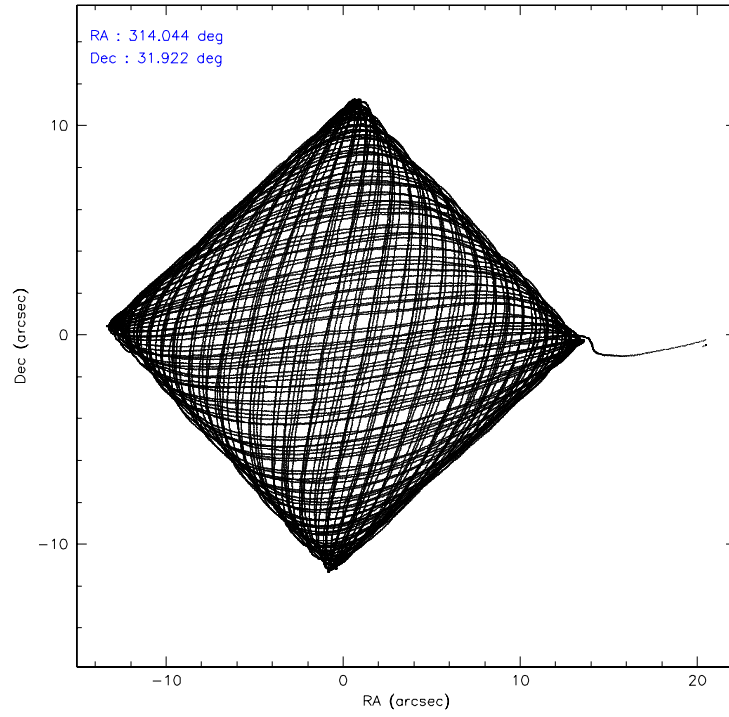
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	888960	714486	526897	459313	1154034	669909
rejected events	291311	256057	46925	254537	32431	249211
rejected %	32%	35%	8%	55%	2%	37%

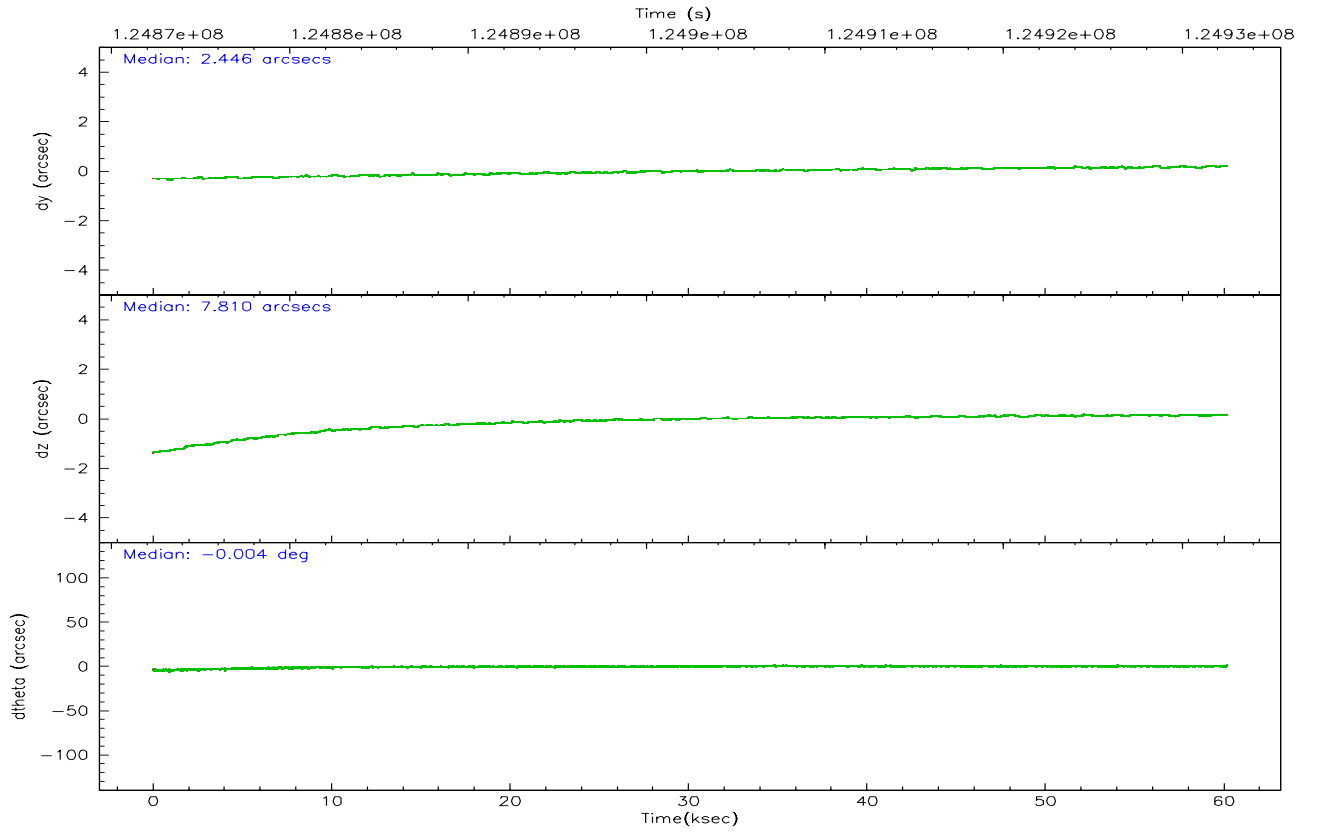
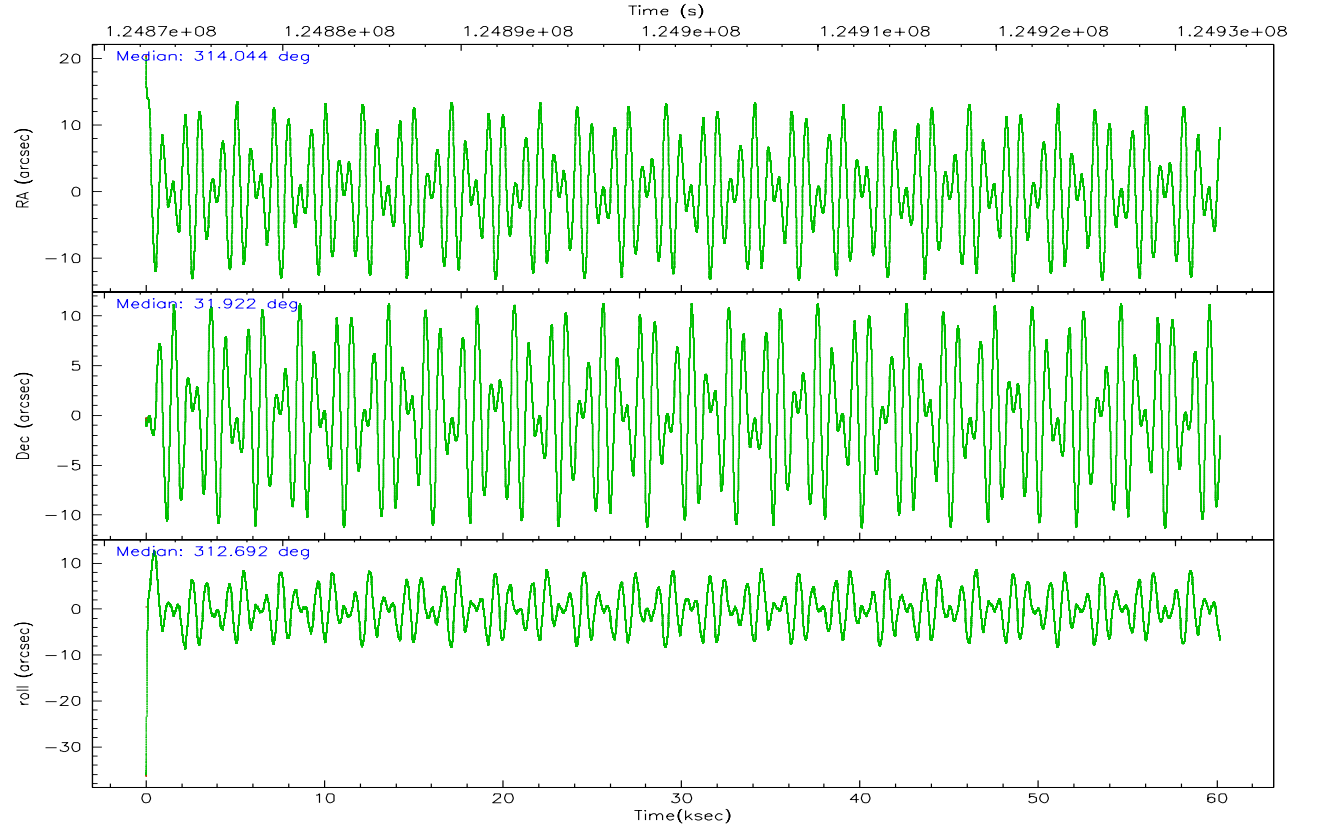
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	537182	412597	258795	182514	561327	298582
	60%	57%	49%	39%	48%	44%
grade 1 events	2115	1649	673	791	613	1352
	0%	0%	0%	0%	0%	0%
grade 2 events	38561	28971	113023	12774	262050	34773
	4%	4%	21%	2%	22%	5%
grade 3 events	8472	6756	32959	3425	107881	29874
	0%	0%	6%	0%	9%	4%
grade 4 events	8940	6567	32605	3365	106936	26739
	1%	0%	6%	0%	9%	3%
grade 5 events	3176	3040	12083	2530	13107	5603
	0%	0%	2%	0%	1%	0%
grade 6 events	4521	3592	42619	2708	83492	30779
	0%	0%	8%	0%	7%	4%
grade 7 events	285993	251314	34140	251206	18628	242207
	32%	35%	6%	54%	1%	36%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-235678	ACIS-235678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	314.013220	314.0440059716946	Subarray requested	NONE	NONE
Pointing Dec	31.929826	31.92202155429606	Alternating exposures requested	N	N
Pointing Roll	312.554737	312.6950818782035	Primary exposure time	0.000000	3.2
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-190.132523	-190.1425803651734			
SIM translation stage offset (mm)	0	0.01005778216563158			
Observation start time	124872526.184000	124871560.15735			
Observation start date	2001-12-16T06:47:42	2001-12-16T06:32:40			
Observation end time	124932526.184000	124933233.38482			
Observation end date	2001-12-16T23:27:42	2001-12-16T23:40:33			
Read mode	TIMED	TIMED			

2.3 Aspect



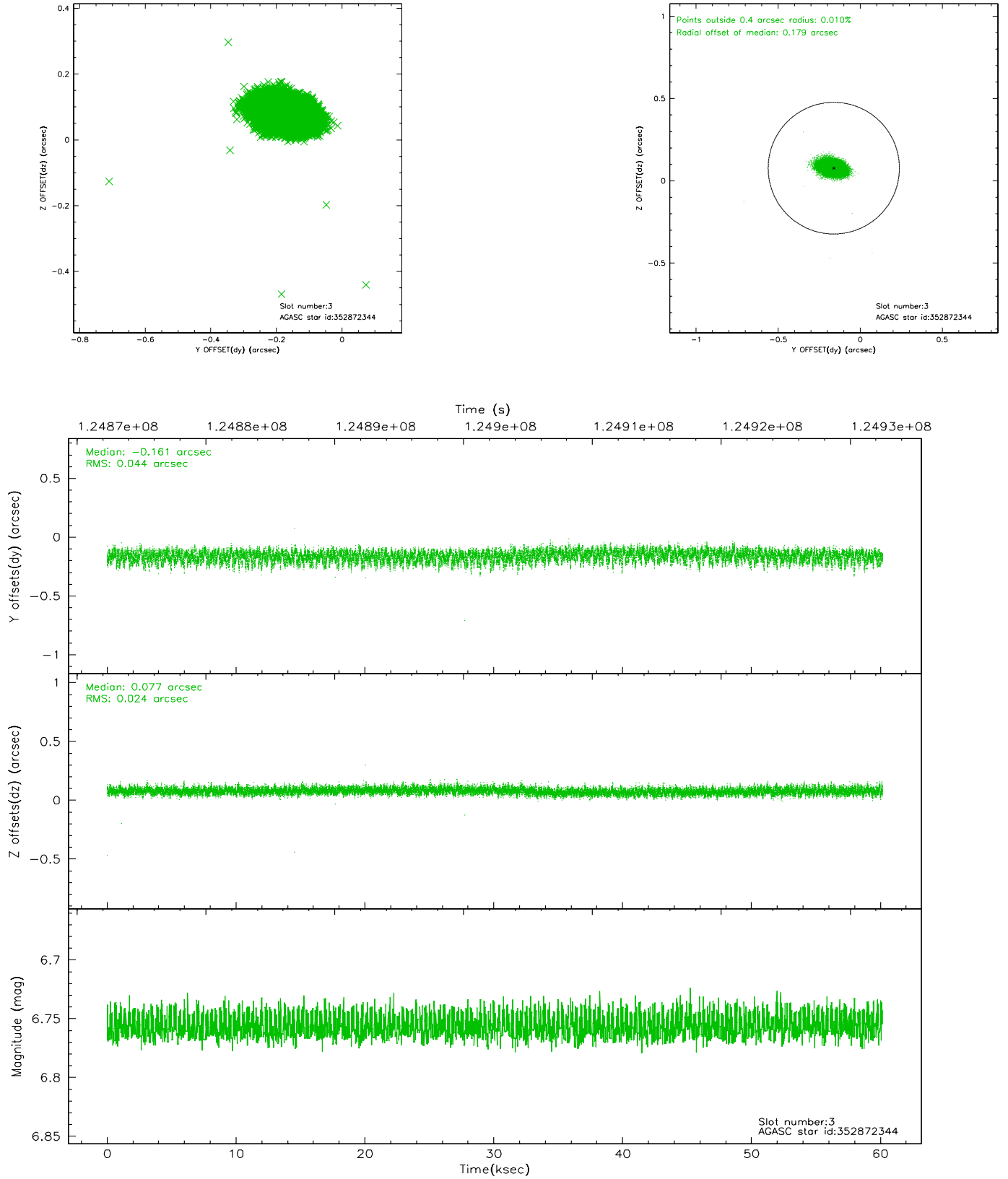


Slot Statistics

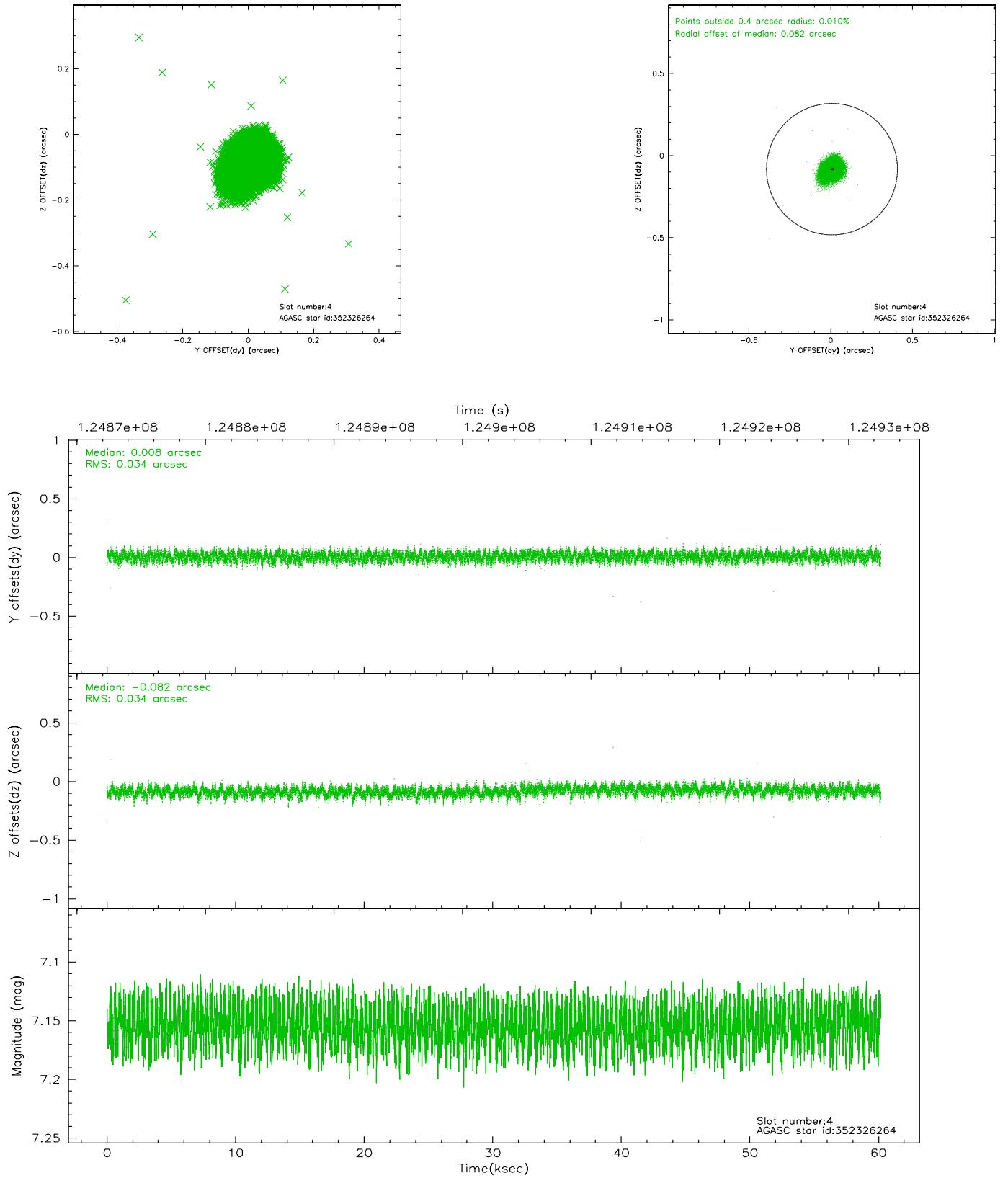
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	14666	0.001	0.018	0.016	0.027	0.000000	0.000000	-755.05	-1728.76
1	FID	ACIS-S-4	7.20	14654	-0.081	-0.004	0.023	0.030	0.000000	0.000000	2158.16	179.73
2	FID	ACIS-S-5	7.24	14661	0.057	-0.005	0.010	0.017	0.000000	0.000000	-1807.88	173.36
3	GUIDE	352872344	6.76	29328	-0.161	0.077	0.052	0.088	313.849074	32.689120	-2349.59	1482.54
4	GUIDE	352326264	7.15	29337	0.008	-0.082	0.050	0.080	313.388931	31.626197	-492.14	-2145.16
5	GUIDE	352331896	7.68	29325	0.162	0.020	0.043	0.072	314.682085	31.647513	2131.30	827.05
6	GUIDE	352323384	8.05	29334	-0.103	-0.127	0.062	0.099	313.230110	31.809462	-1306.49	-2052.17
7	GUIDE	352874552	8.64	29302	0.099	0.113	0.067	0.105	314.811016	31.899603	1723.43	1728.79

2.4 Star Slots

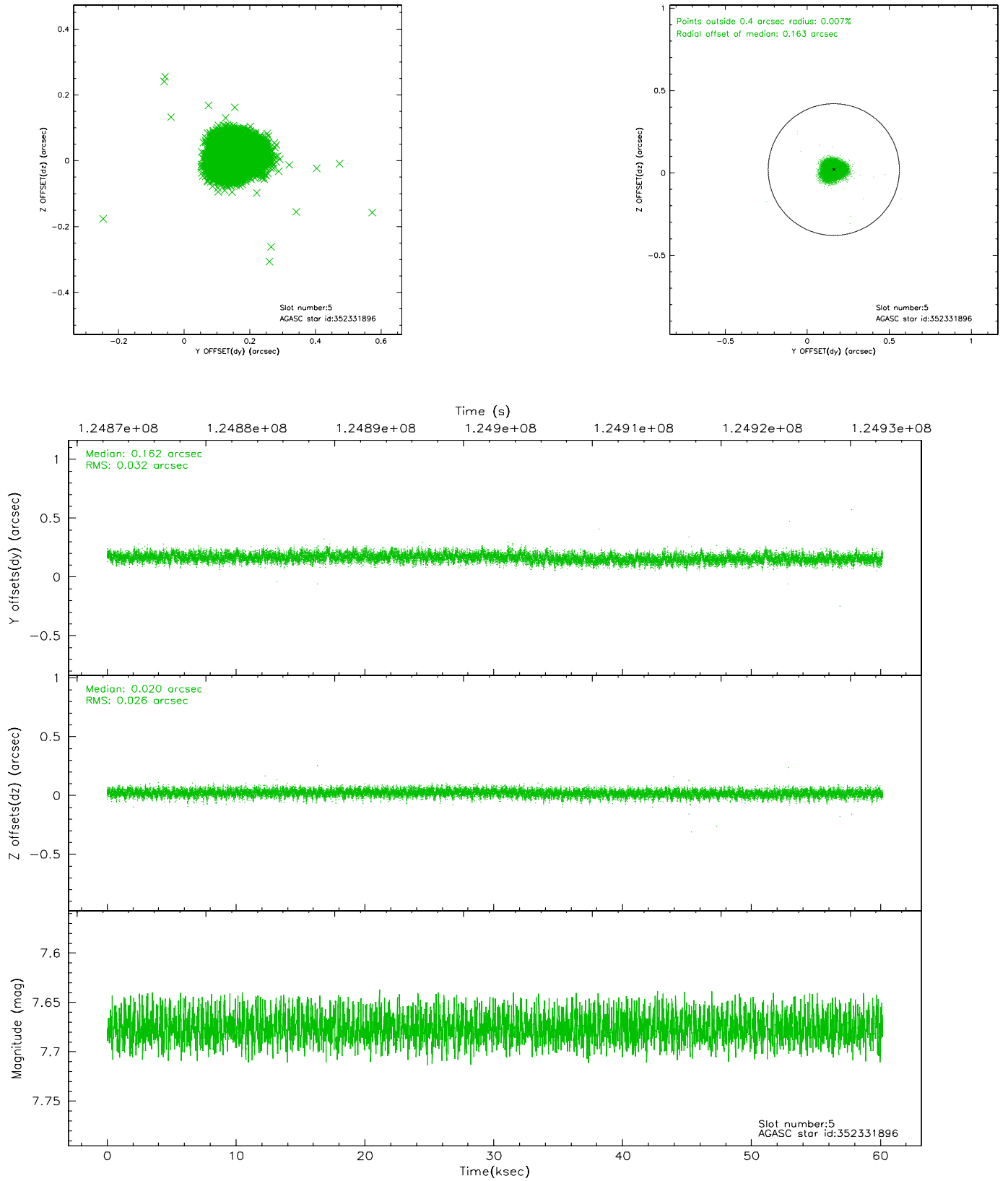
2.4.1 Slot 3



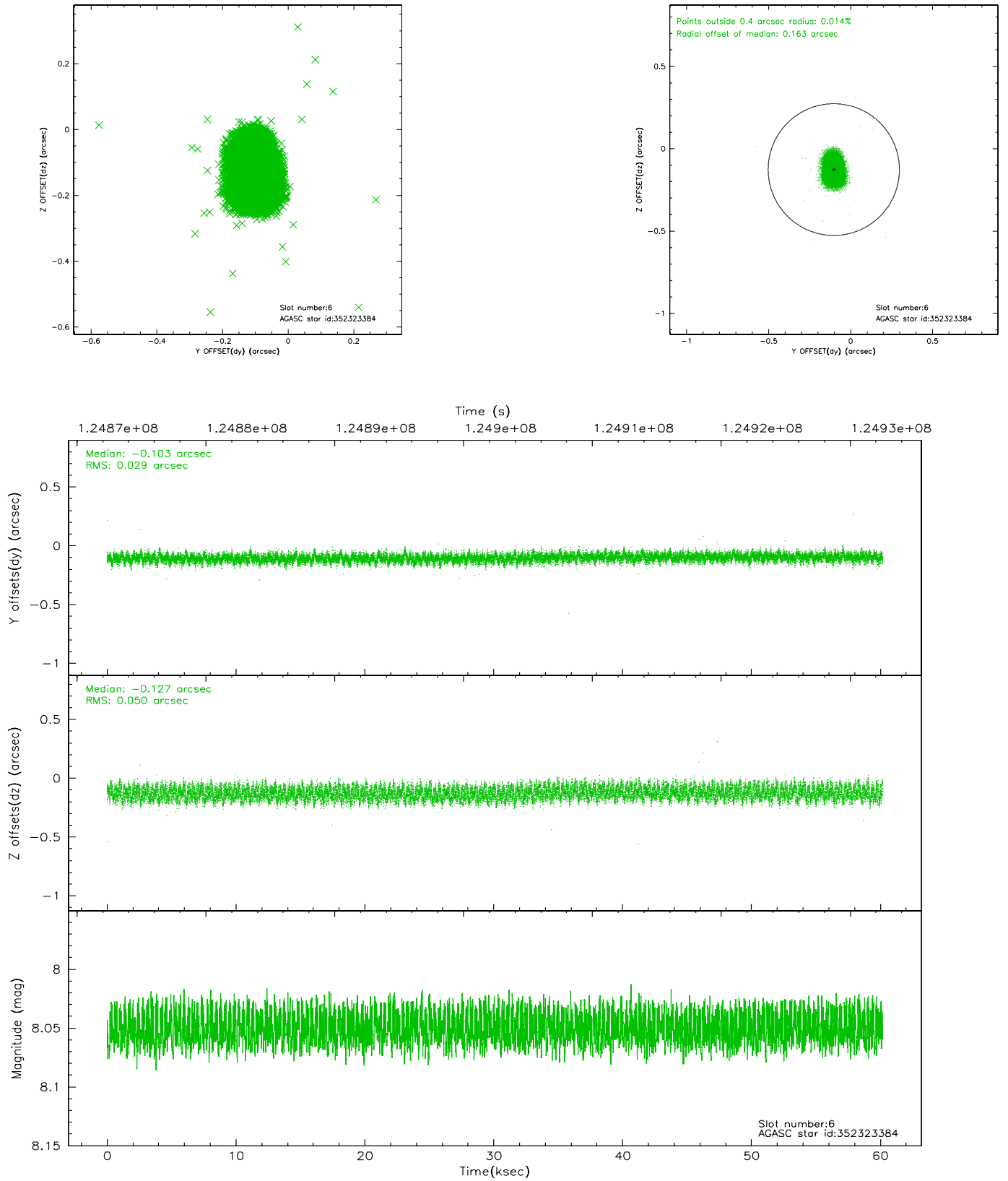
2.4.2 Slot 4



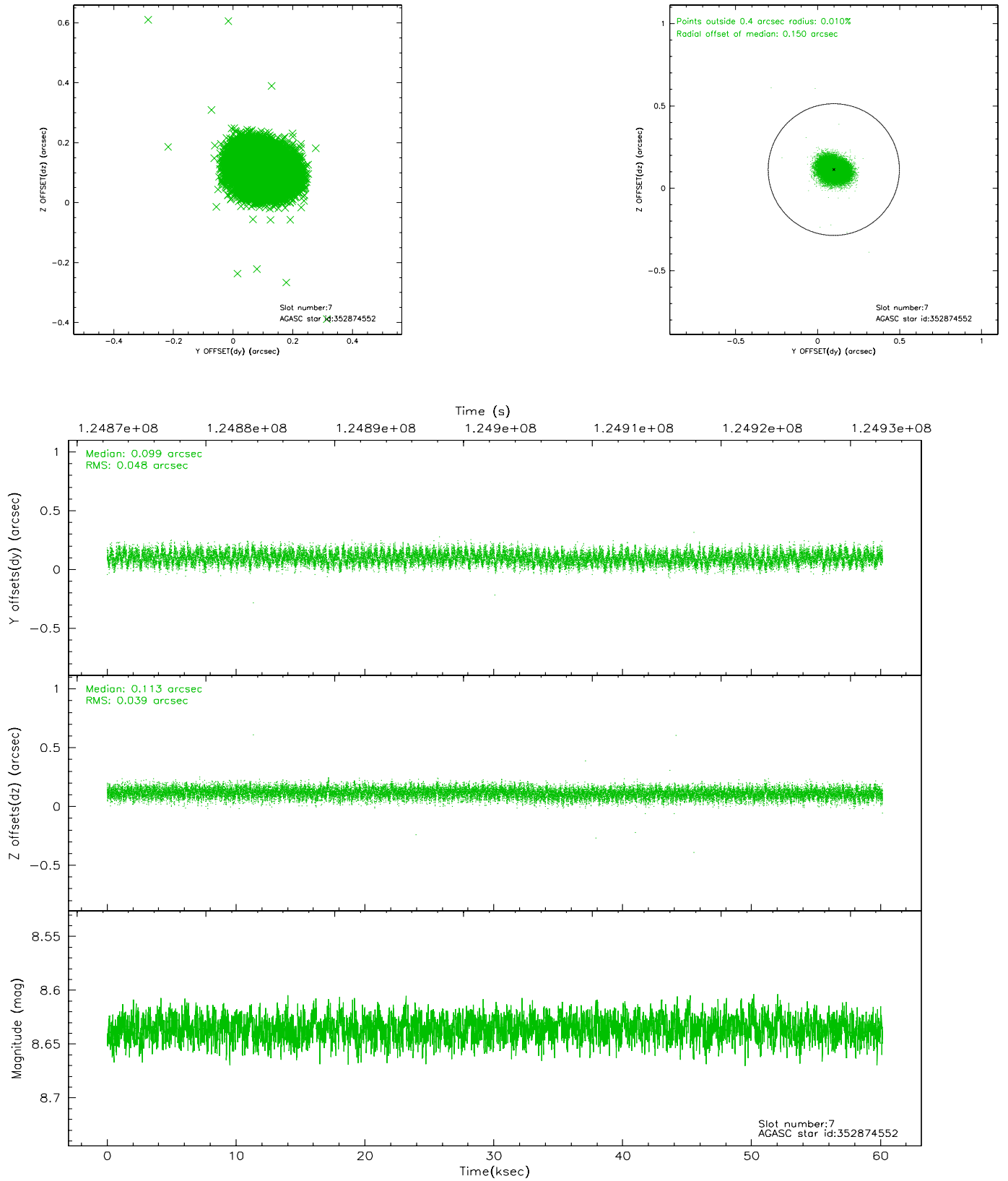
2.4.3 Slot 5



2.4.4 Slot 6

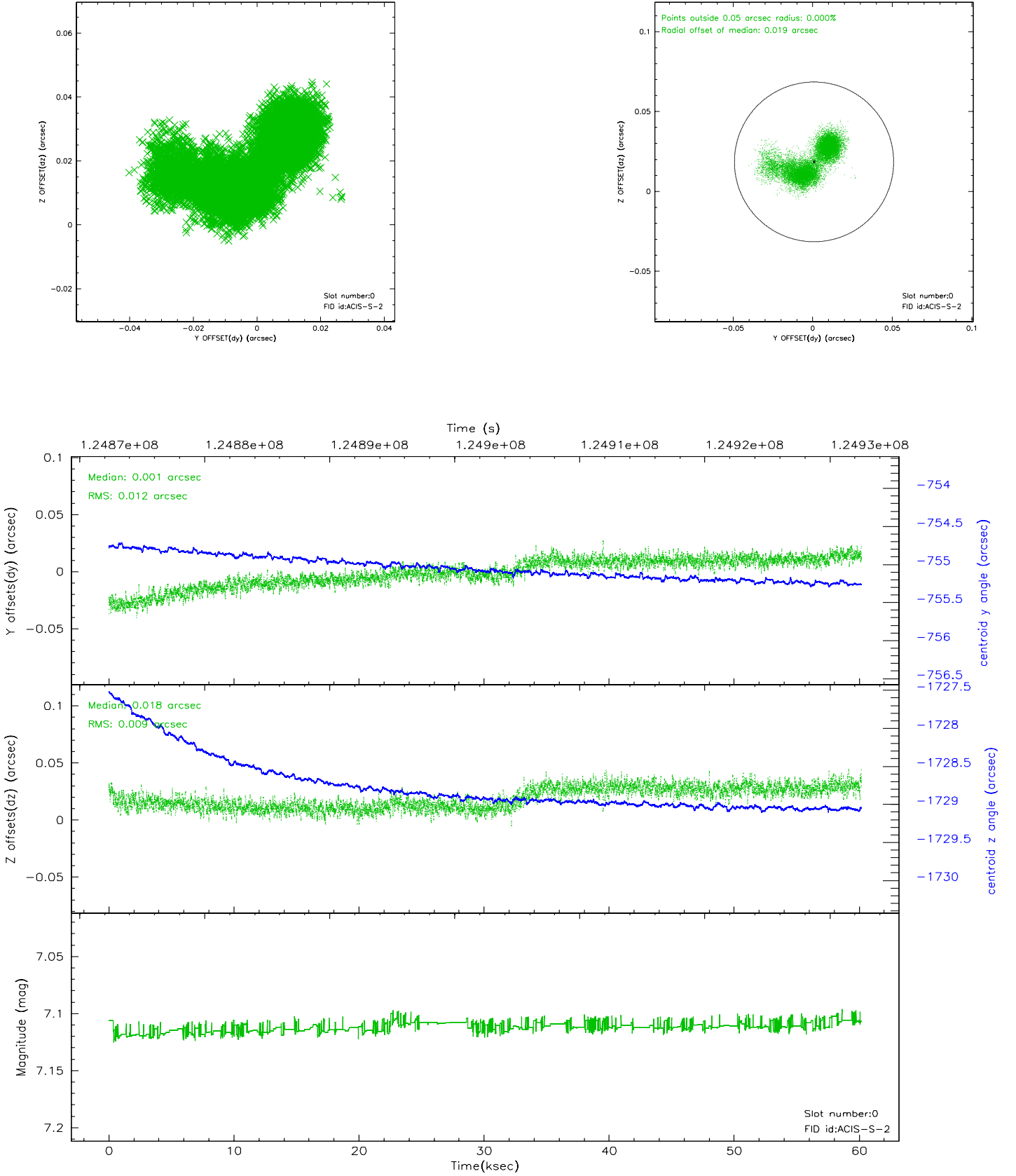


2.4.5 Slot 7

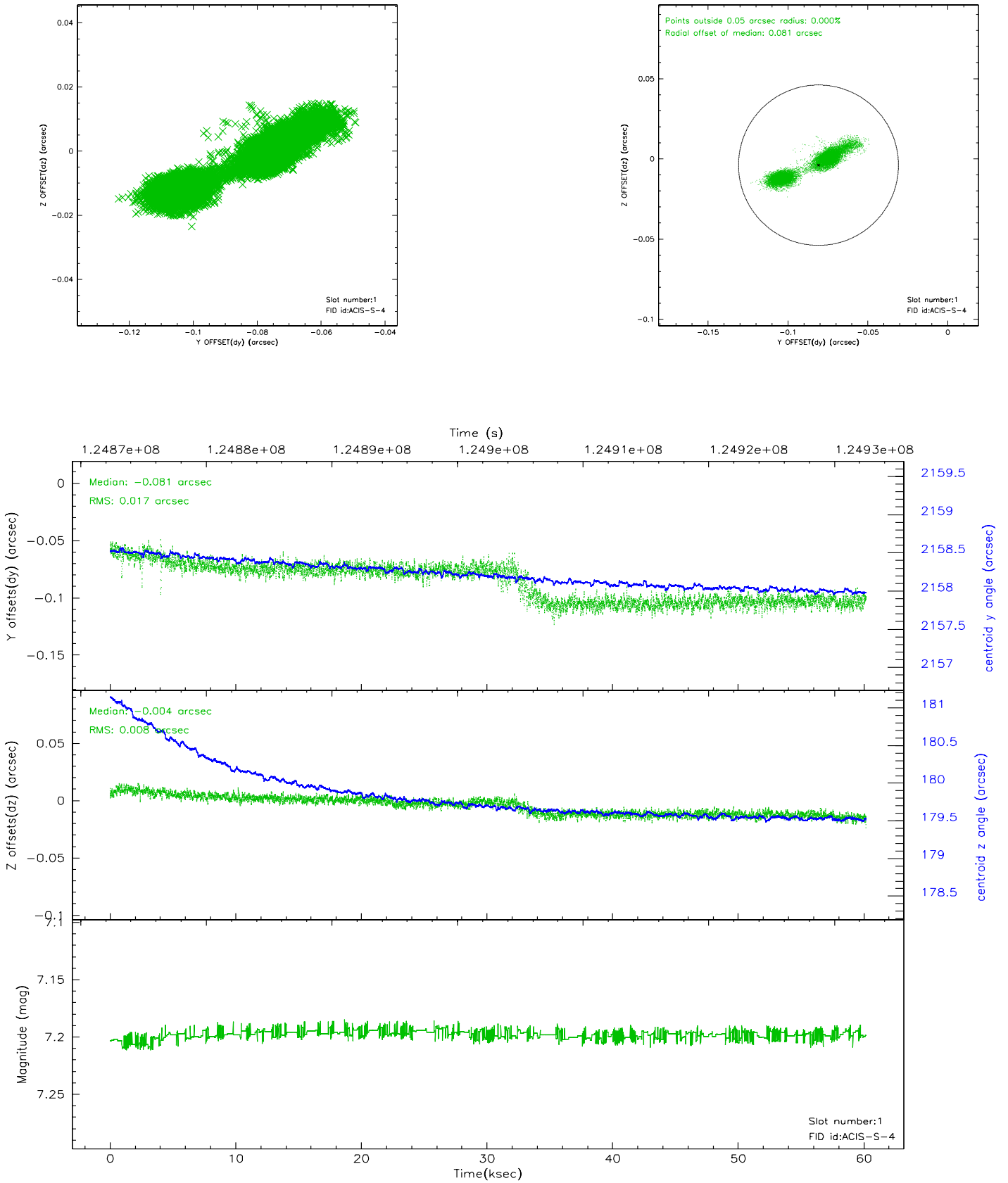


2.5 FID Slots

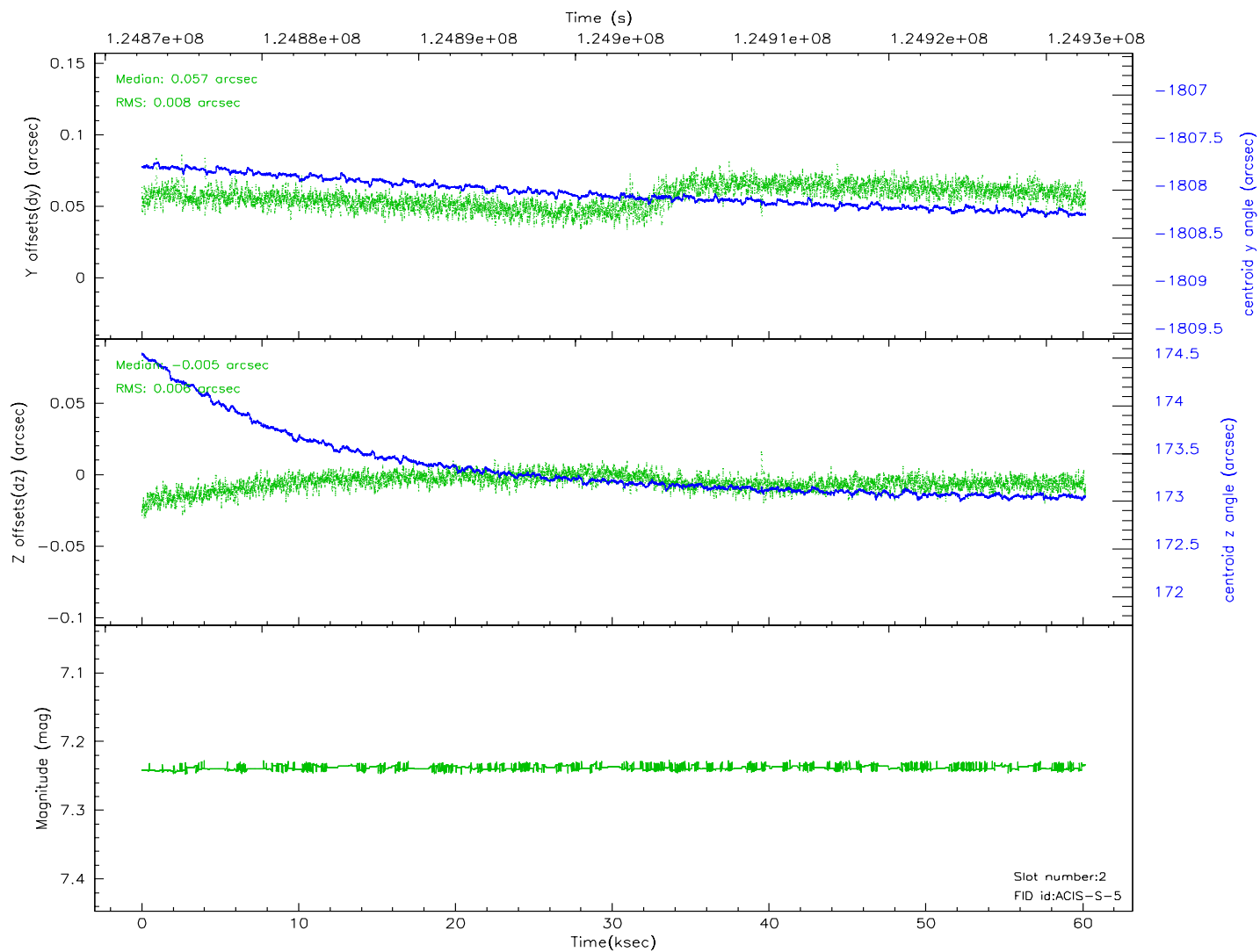
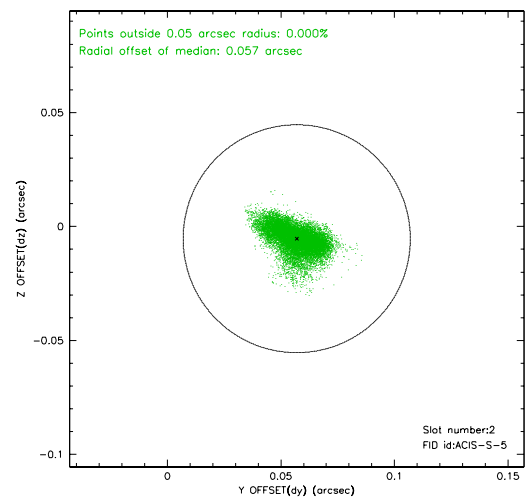
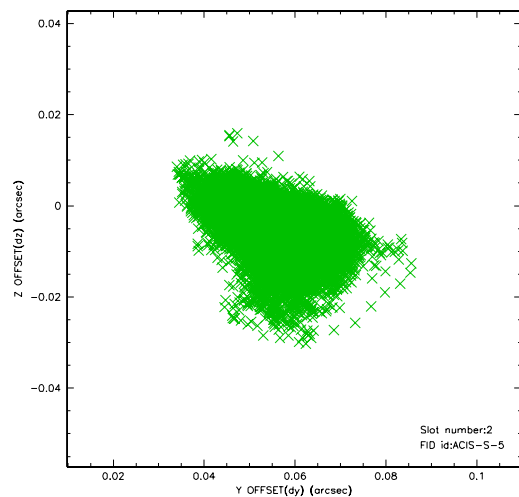
2.5.1 Slot 0



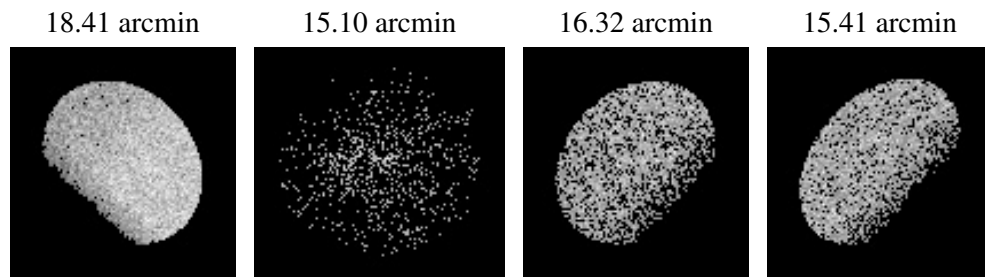
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2007.01.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	59.935

A.2 Comments