

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 3718 - L2 Version 001
Chandra X-Ray Center

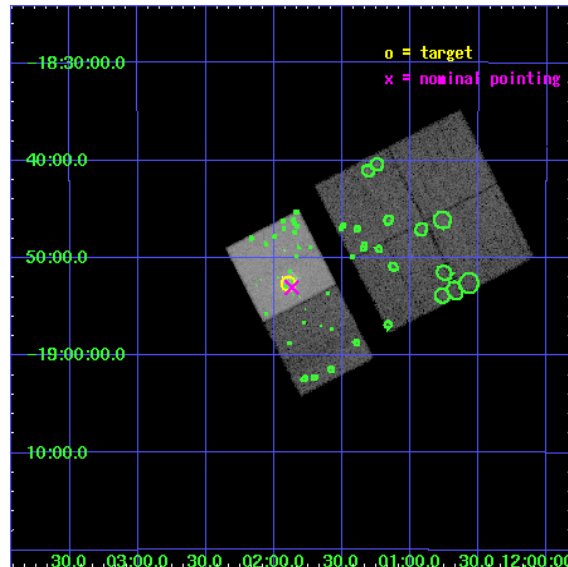
L2 Processing Date : Sep 22 2006

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1 Front

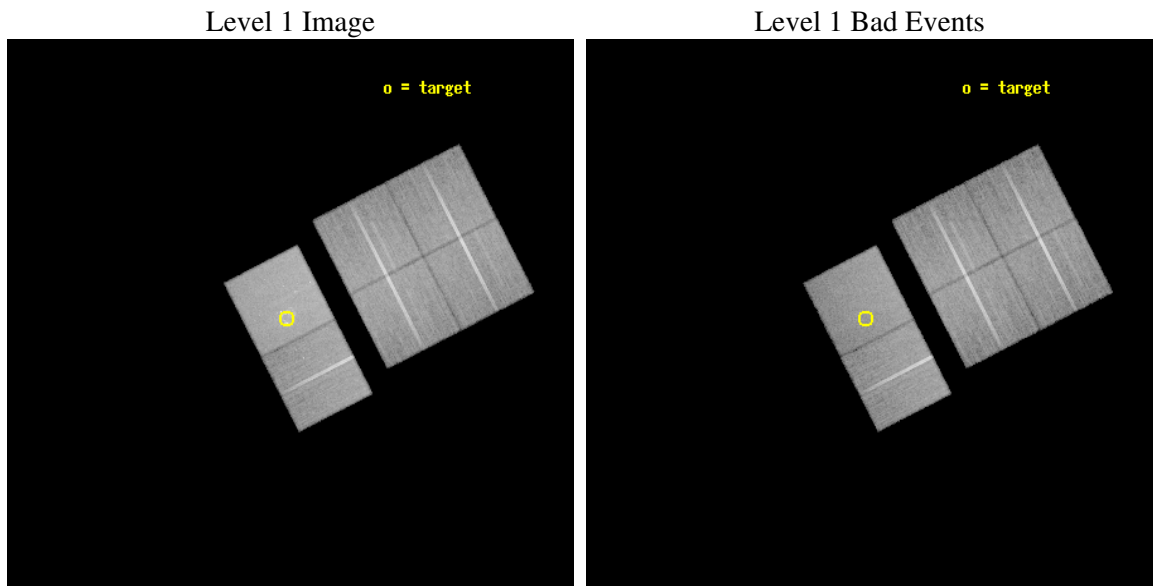
seq_num	700483
obs_id	3718
title	AN IN-DEPTH STUDY OF THE X-RAY SOURCE POPULATION AND HOT ISM OF THE ANTENNAE GALAXIES
observer	Dr Giuseppina Fabbiano
object	NGC 4038/NGC 4039
dtcycle	0
cycle	P
ra_targ	180.47375
dec_targ	-18.876528
ra_nom	180.46752816948
dec_nom	-18.884236763014
roll_nom	242.82461965435
revision	2
ontime	35164.799869001
livetime	34719.521999359
ontime0	35164.799869001
ontime1	35164.799869001
ontime2	35164.799869001
ontime3	35164.799869001
ontime6	35164.799869001
ontime7	35164.799869001
l2events	239957



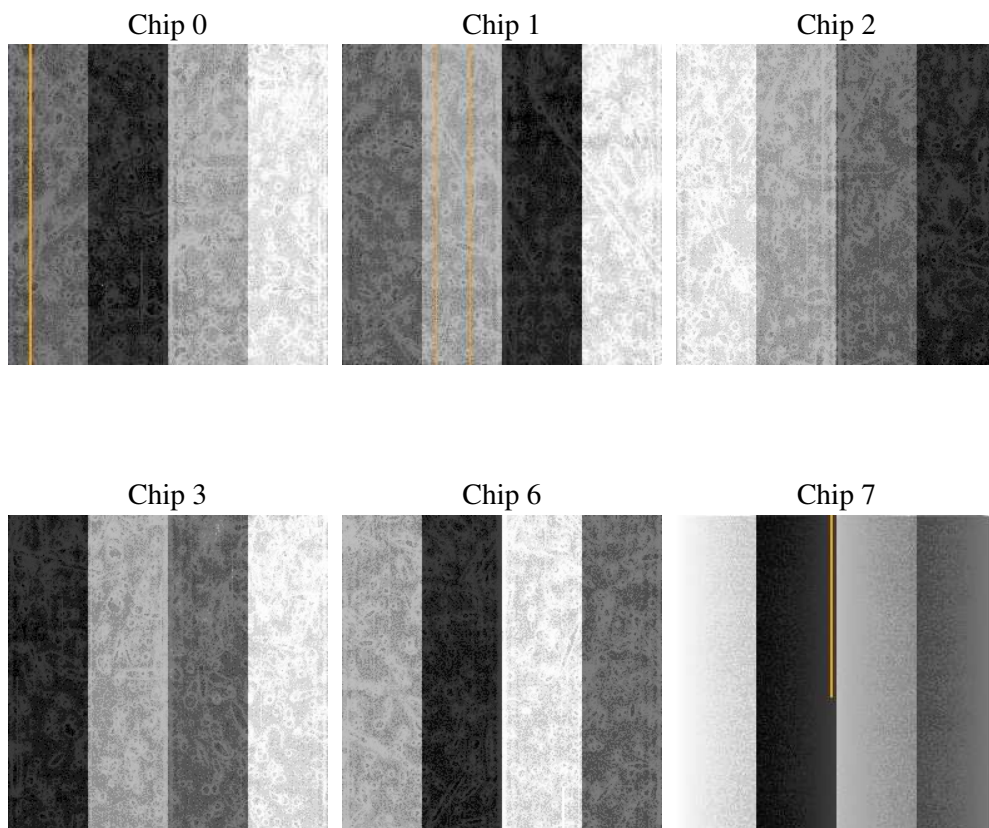
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.9
caldsver	3.2.3
date	2006-09-22T23:47:06
revision	2

sched_exp_time	35000.000000
ontime	35631.556713313
ontime0	35521.361353308
ontime1	35521.364402324
ontime2	35521.361353308
ontime3	35527.843433321
ontime6	35527.843433321
ontime7	35631.556713313
l1events	1447359

2.1.4 Events

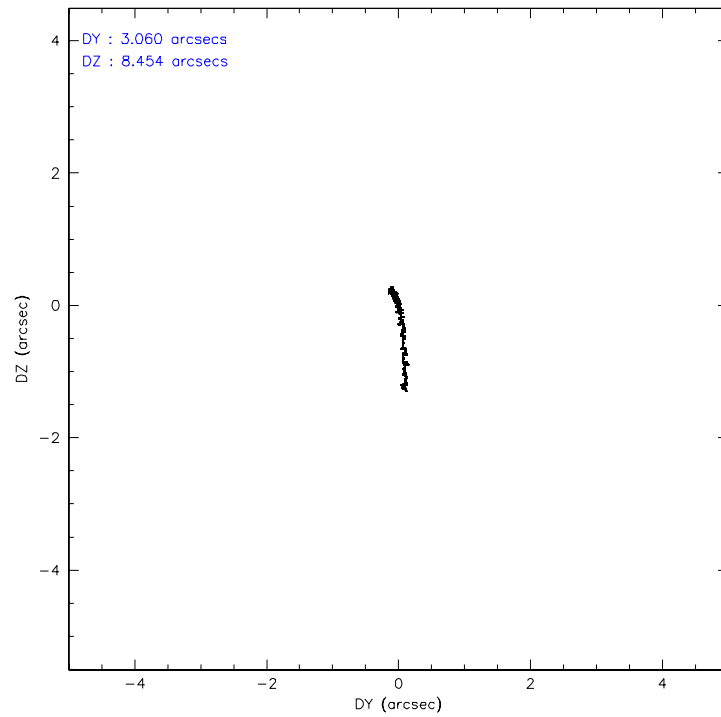
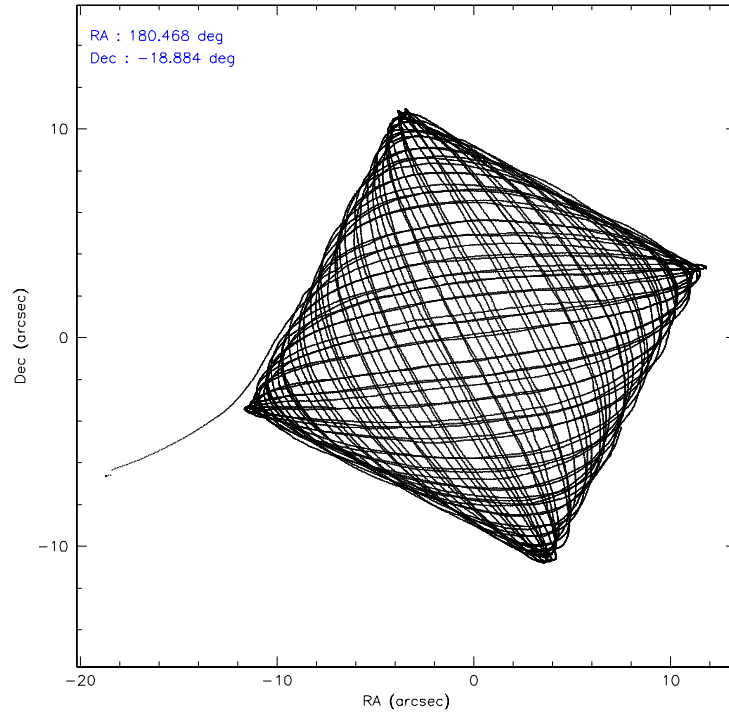
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	219824	211626	232026	228631	238635	316617
rejected events	192631	184069	205610	202301	211609	189187
rejected %	87%	86%	88%	88%	88%	59%

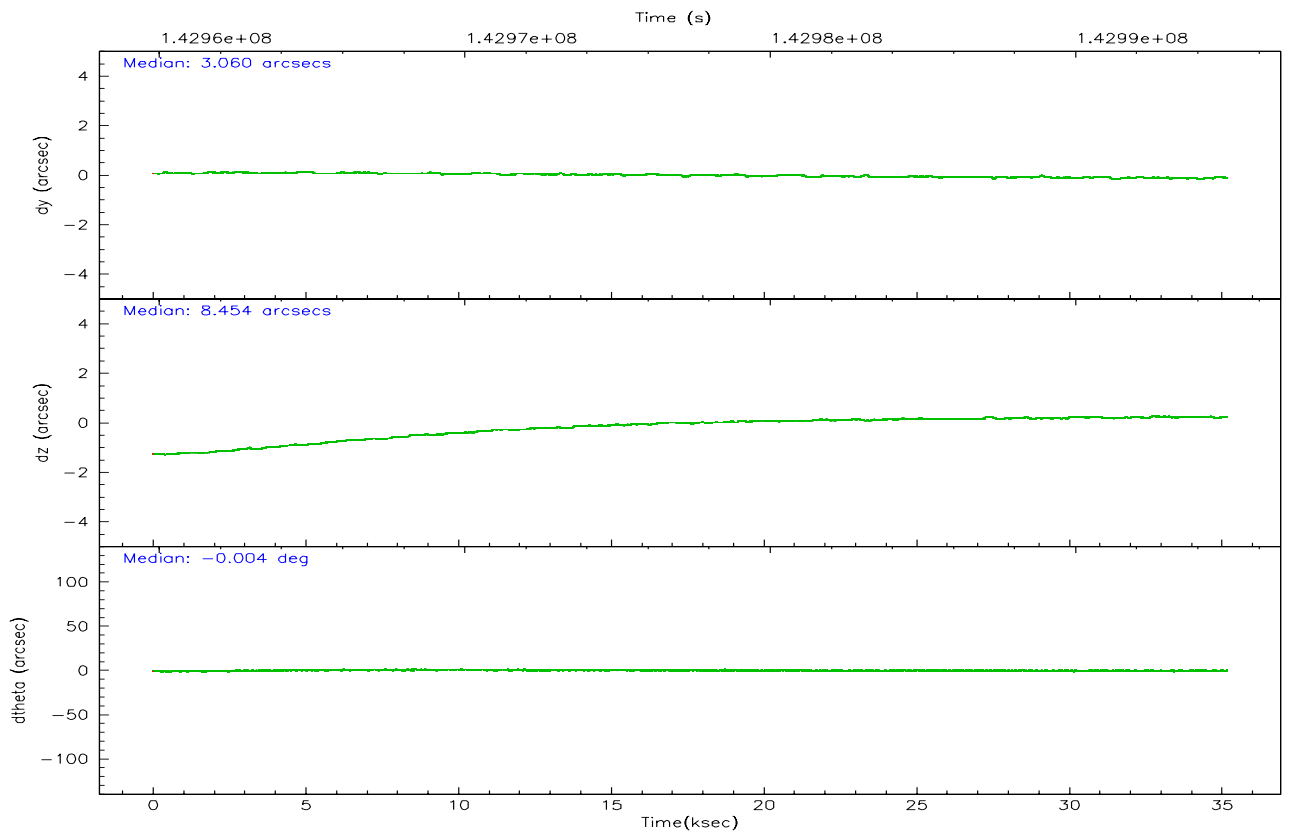
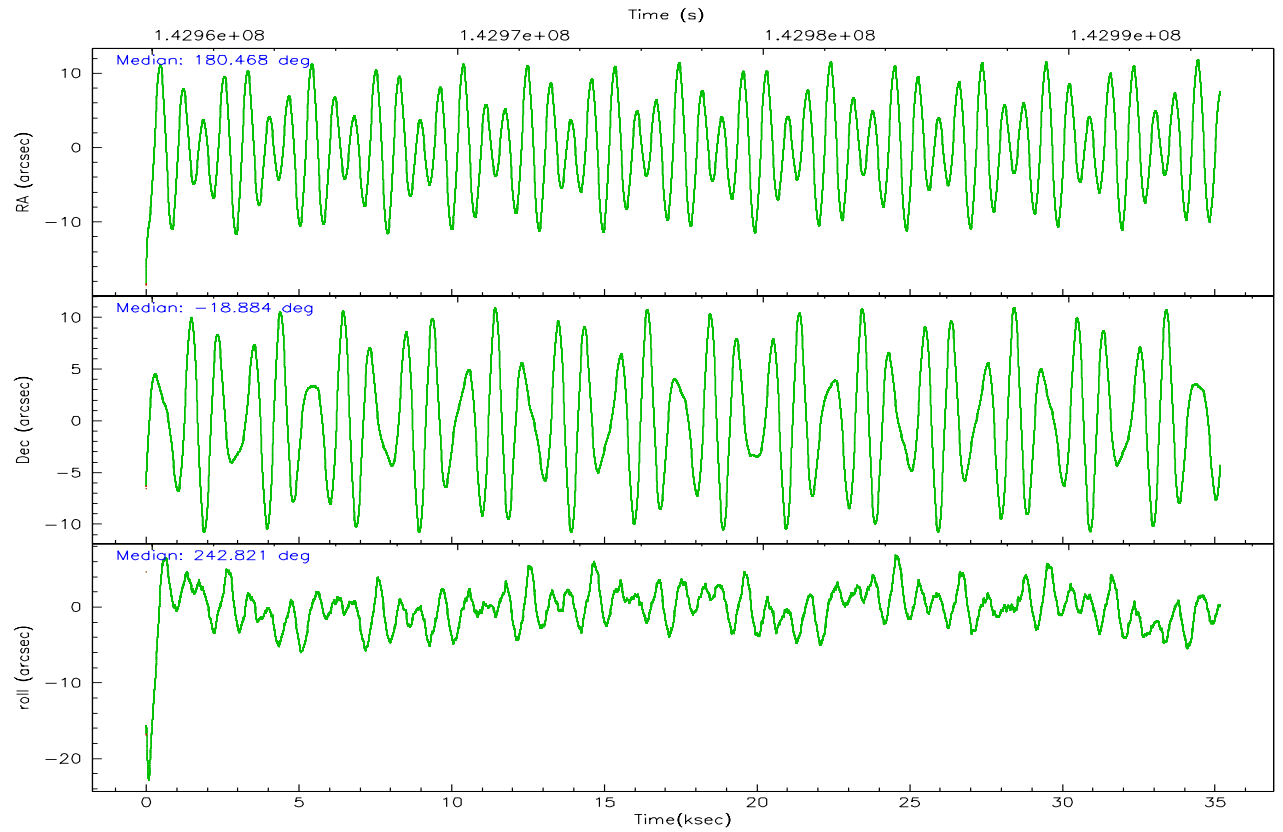
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	11118	11006	11225	11424	11272	11112
	5%	5%	4%	4%	4%	3%
grade 1 events	106	90	85	106	125	191
	0%	0%	0%	0%	0%	0%
grade 2 events	6209	5811	5930	5424	5478	31815
	2%	2%	2%	2%	2%	10%
grade 3 events	2671	2833	2497	2404	2748	7576
	1%	1%	1%	1%	1%	2%
grade 4 events	2540	2827	2456	2524	2530	7367
	1%	1%	1%	1%	1%	2%
grade 5 events	8796	9151	8227	9489	10300	21017
	4%	4%	3%	4%	4%	6%
grade 6 events	4919	5374	4606	4792	5279	71163
	2%	2%	1%	2%	2%	22%
grade 7 events	183465	174534	197000	192468	200903	166376
	83%	82%	84%	84%	84%	52%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-012367	ACIS-012367	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	180.465752	180.4675281694753	Subarray requested	NONE	NONE
Pointing Dec	-18.857054	-18.88423676301403	Alternating exposures requested	N	N
Pointing Roll	242.667408	242.8246196543536	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	-190.1400660498719			
SIM translation stage offset (mm)	0	0.00754346686406393			
Observation start time	142959959.184000	142958666.30369			
Observation start date	2002-07-13T15:04:55	2002-07-13T14:44:26			
Observation end time	142994959.184000	142995504.2927			
Observation end date	2002-07-14T00:48:15	2002-07-14T00:58:24			
Read mode	TIMED	TIMED			

2.3 Aspect



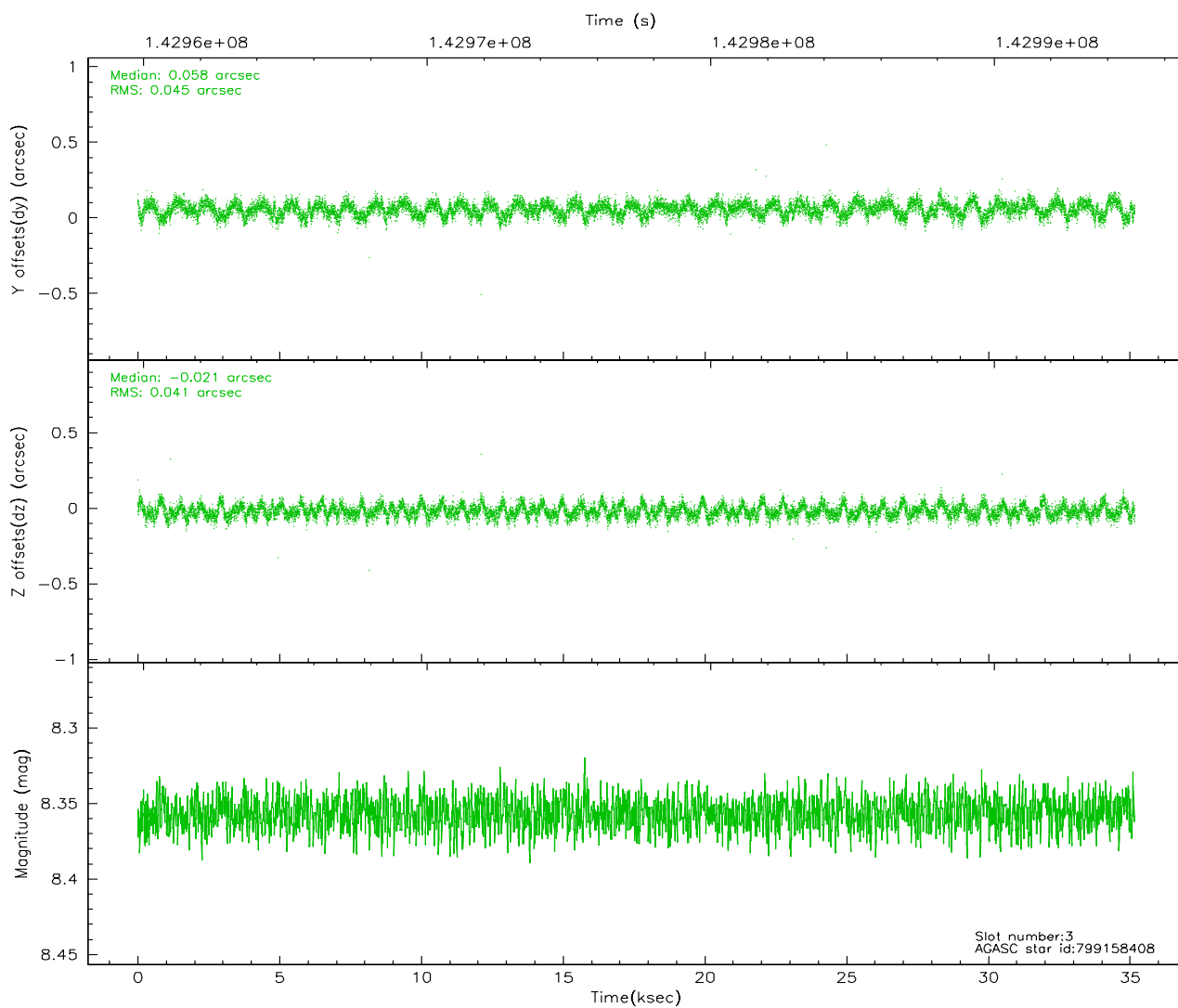
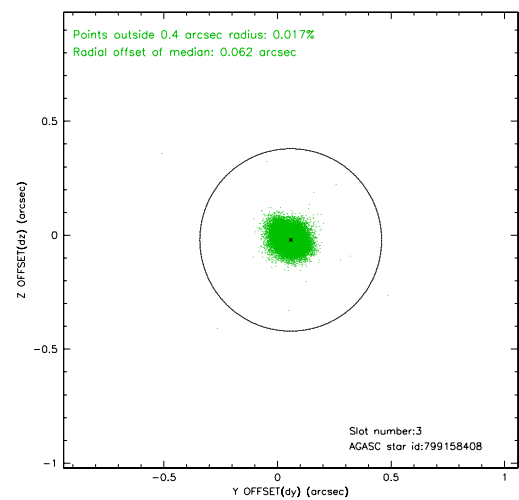
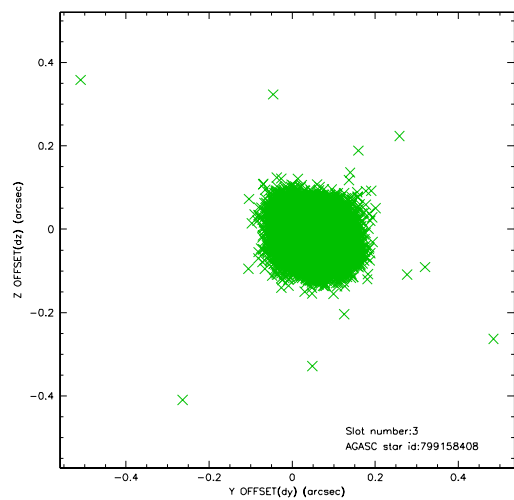


Slot Statistics

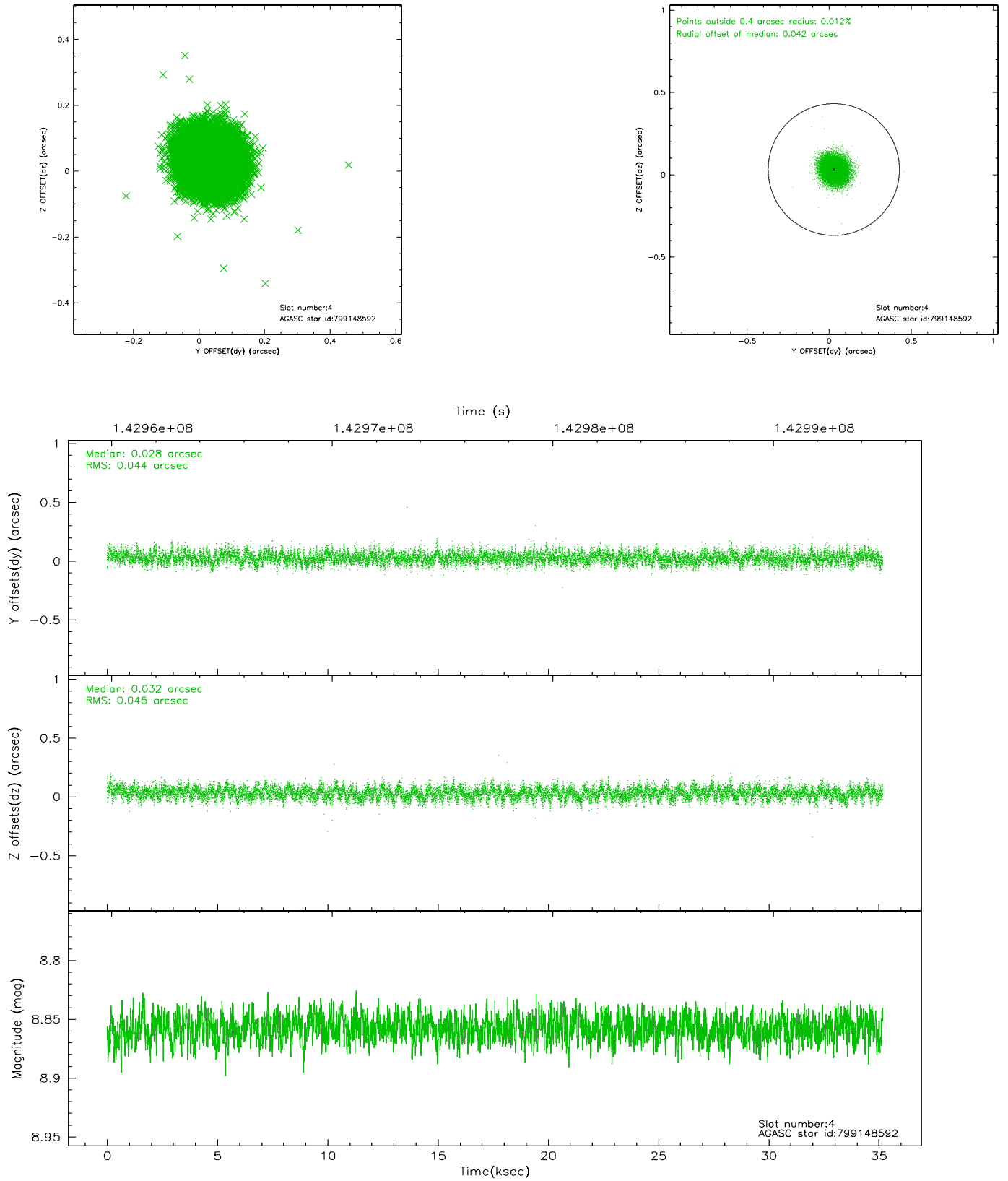
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	8578	-0.000	0.018	0.008	0.013	0.000000	0.000000	-755.71	-1729.42
1	FID	ACIS-S-4	7.20	8578	-0.054	-0.005	0.005	0.010	0.000000	0.000000	2157.50	178.98
2	FID	ACIS-S-5	7.24	8578	0.022	-0.005	0.008	0.013	0.000000	0.000000	-1808.47	172.72
3	GUIDE	799158408	8.36	17151	0.058	-0.021	0.065	0.103	180.413548	-19.338934	1623.76	639.10
4	GUIDE	799148592	8.86	17153	0.028	0.032	0.067	0.108	180.422651	-18.791183	-141.92	-239.43
5	GUIDE	799156912	9.57	17069	0.131	0.258	0.097	0.157	180.669836	-19.643386	2198.70	1915.19
6	GUIDE	799149552	9.62	17148	-0.084	-0.098	0.122	0.193	179.918855	-18.889841	964.04	-1599.22
7	GUIDE	799152736	9.10	17150	-0.129	-0.174	0.094	0.149	180.259335	-18.516494	-764.08	-1189.00

2.4 Star Slots

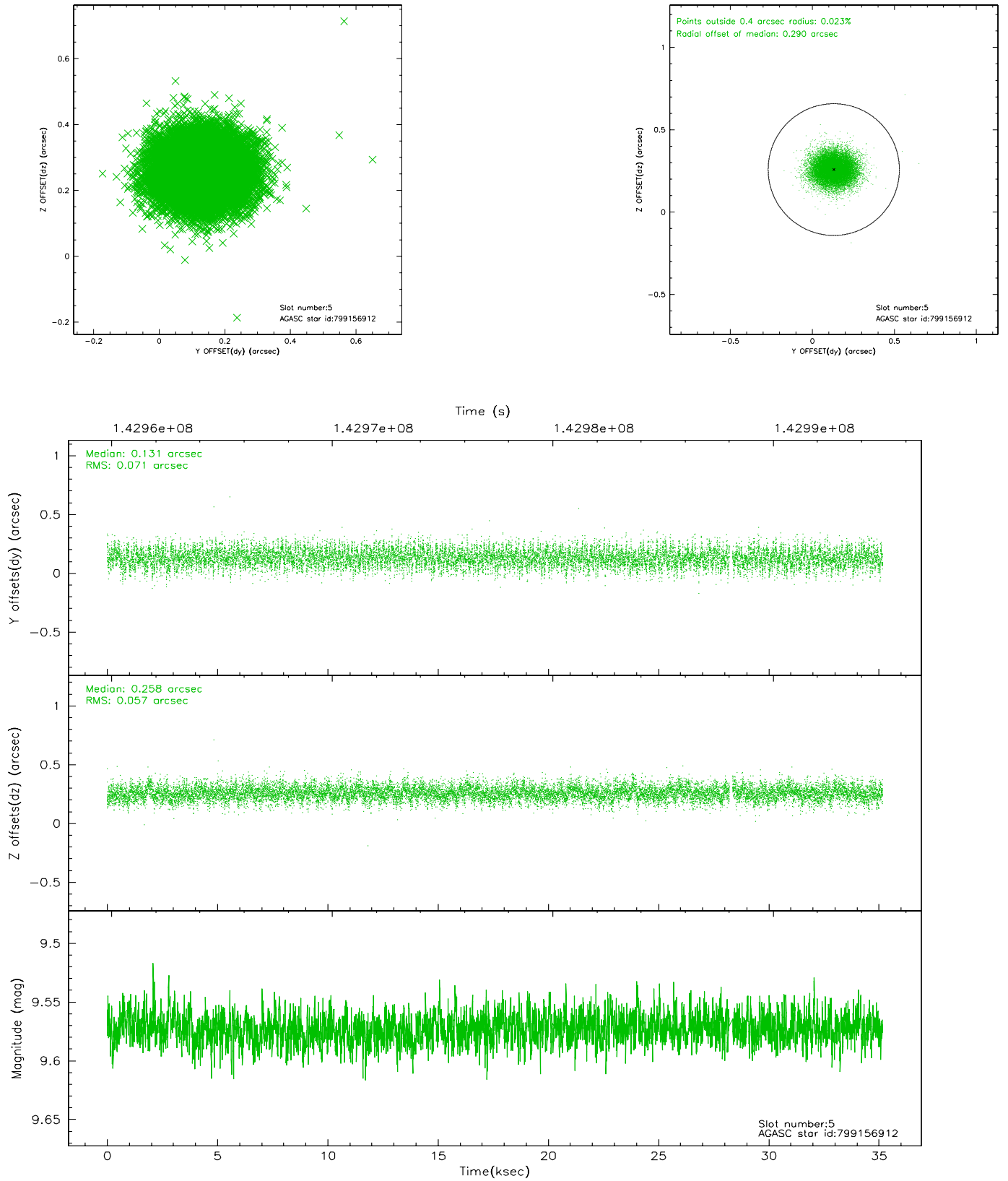
2.4.1 Slot 3



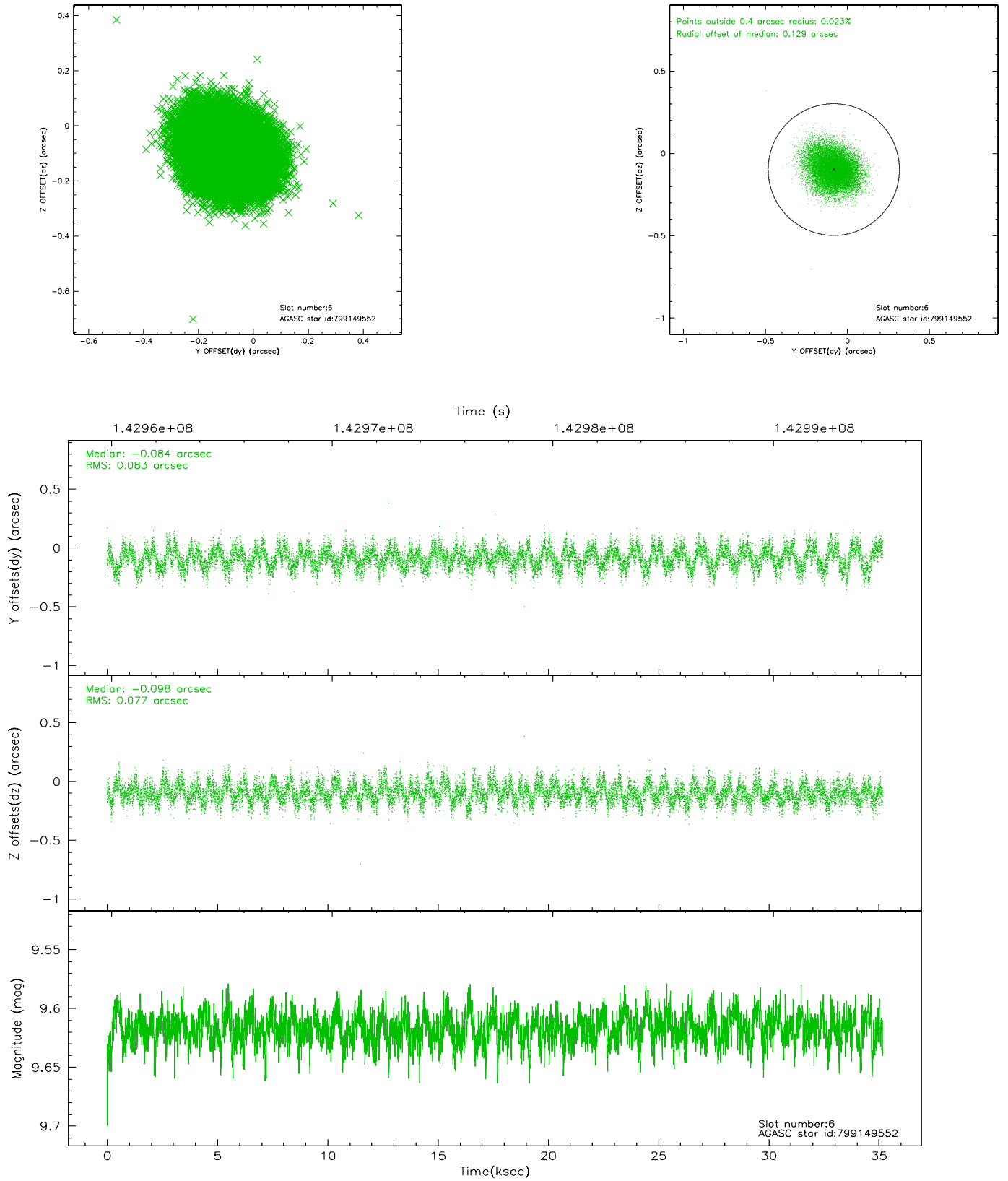
2.4.2 Slot 4



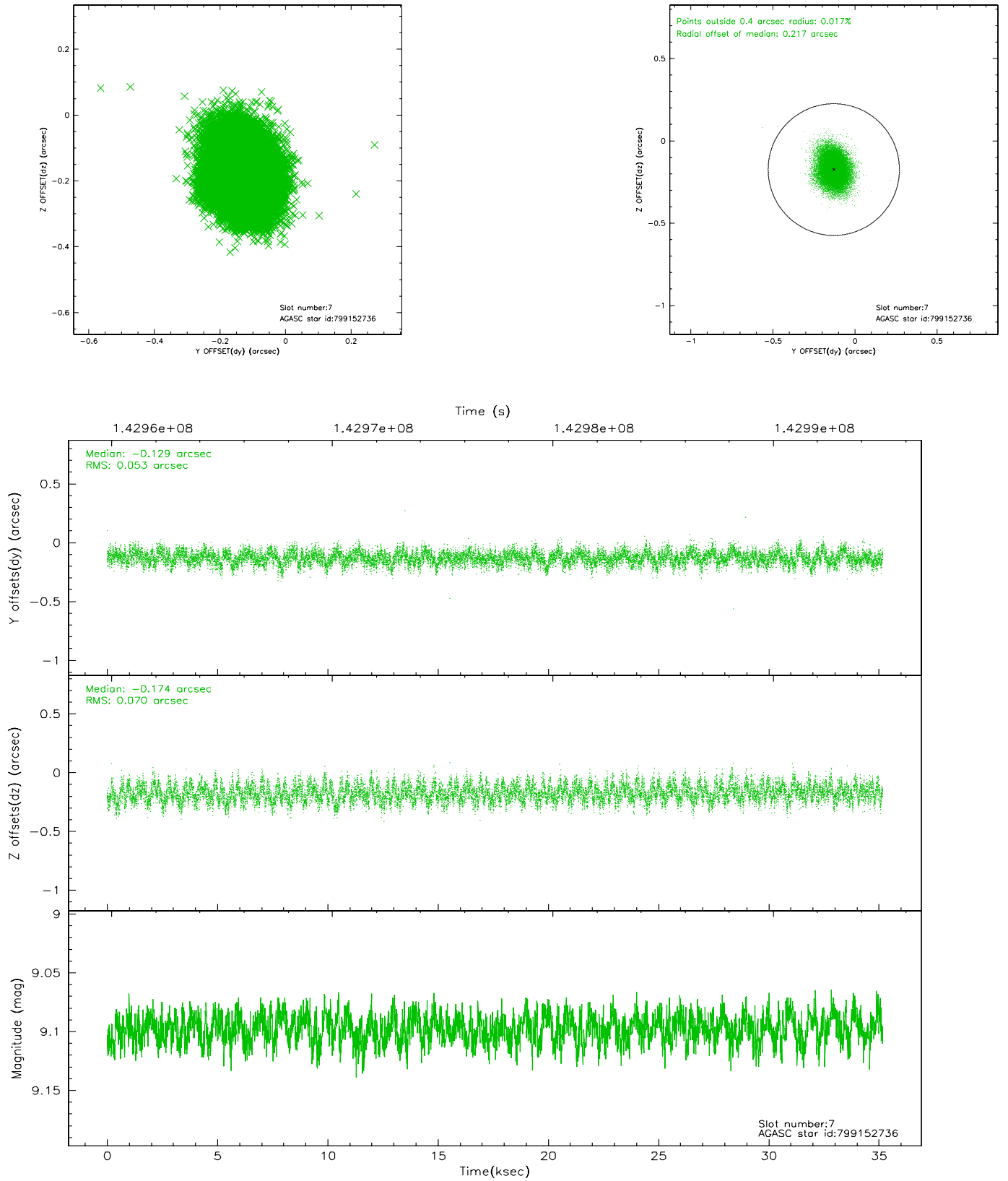
2.4.3 Slot 5



2.4.4 Slot 6

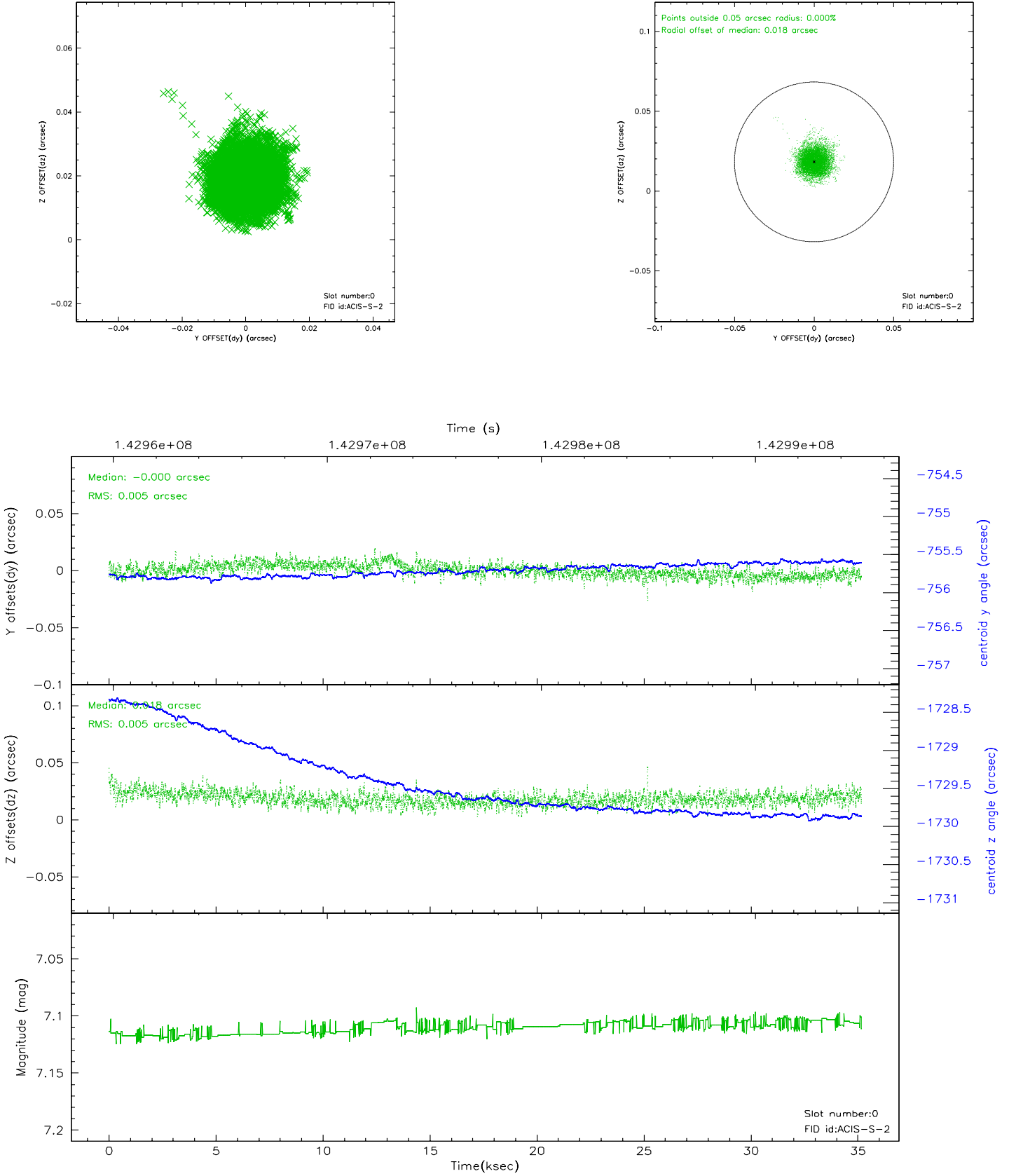


2.4.5 Slot 7

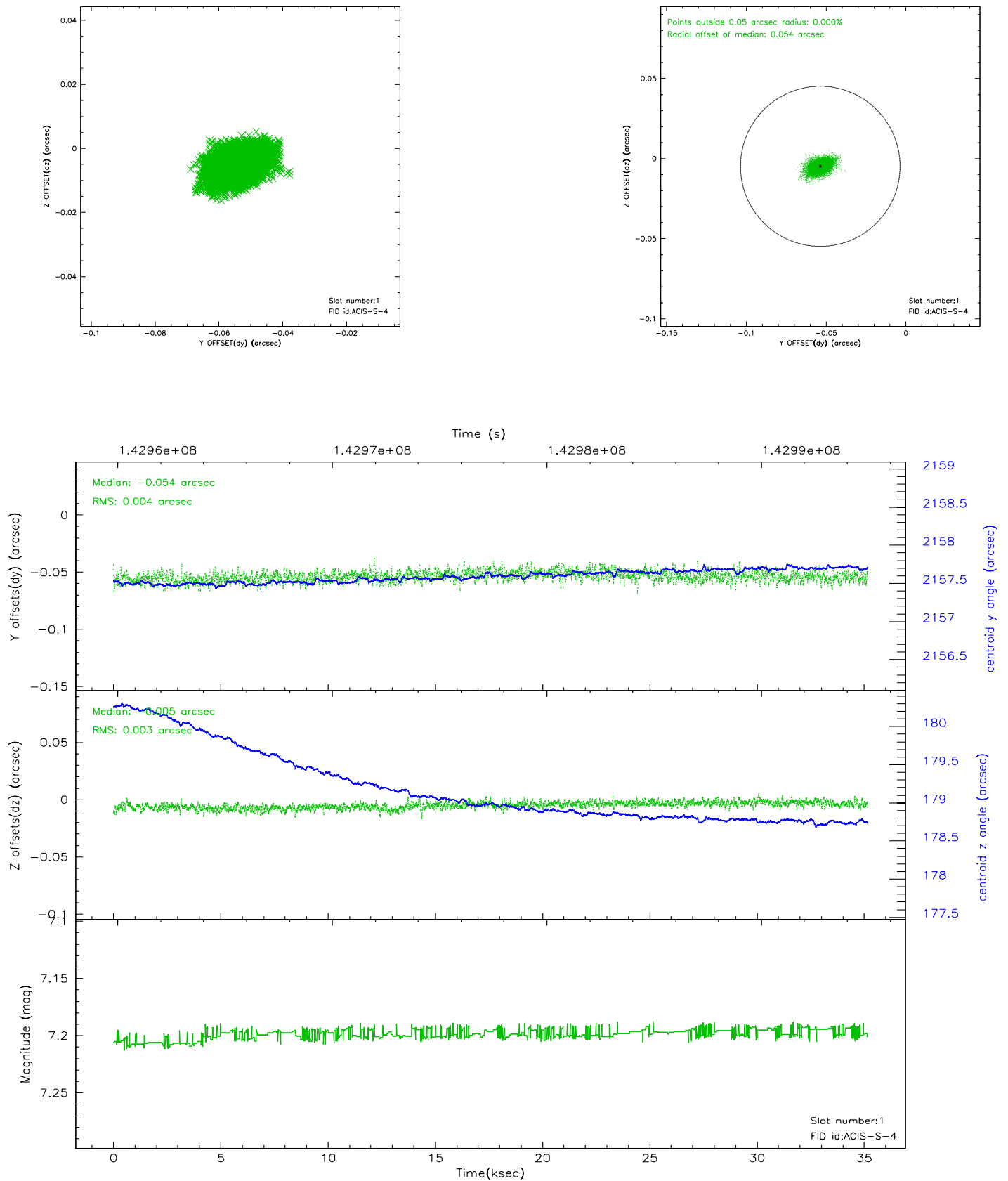


2.5 FID Slots

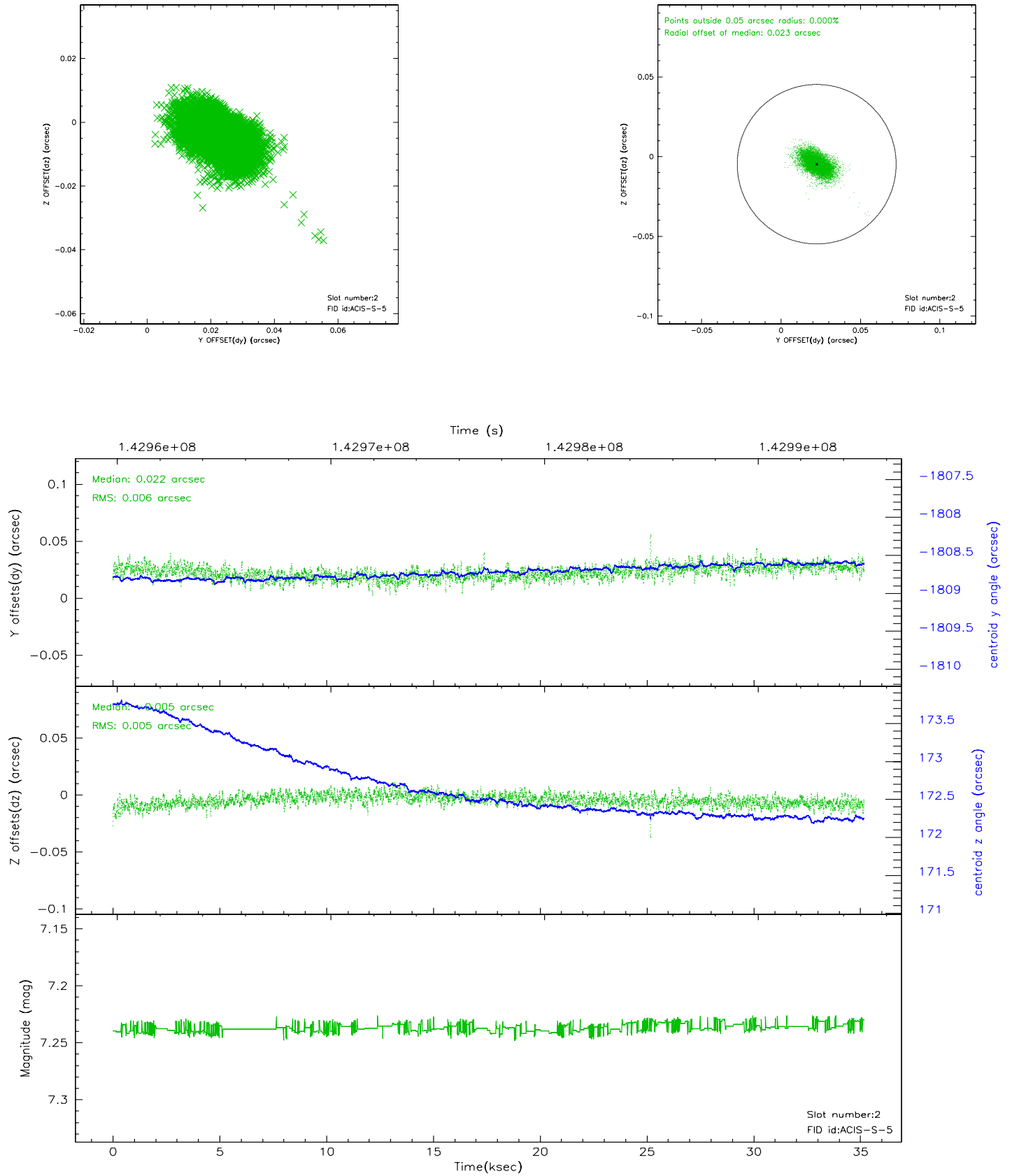
2.5.1 Slot 0



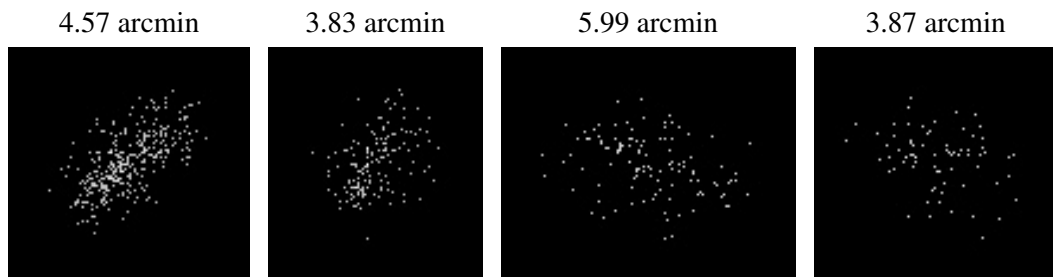
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.09.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	35.164

A.2 Comments