

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 2685 - L2 Version 001
Chandra X-Ray Center

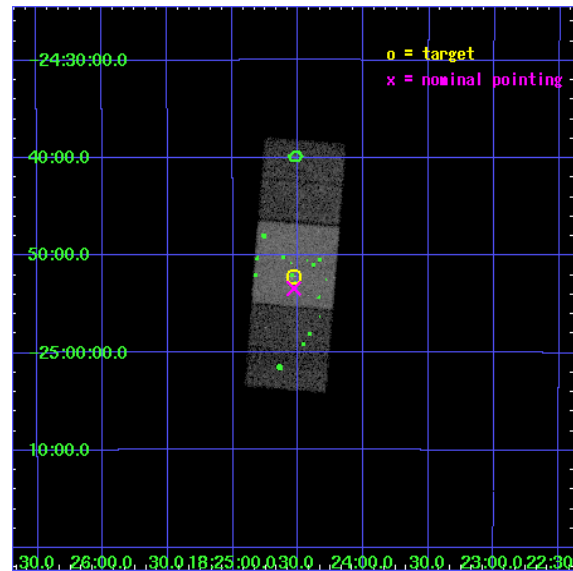
L2 Processing Date : Sep 30 2006

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1 Front

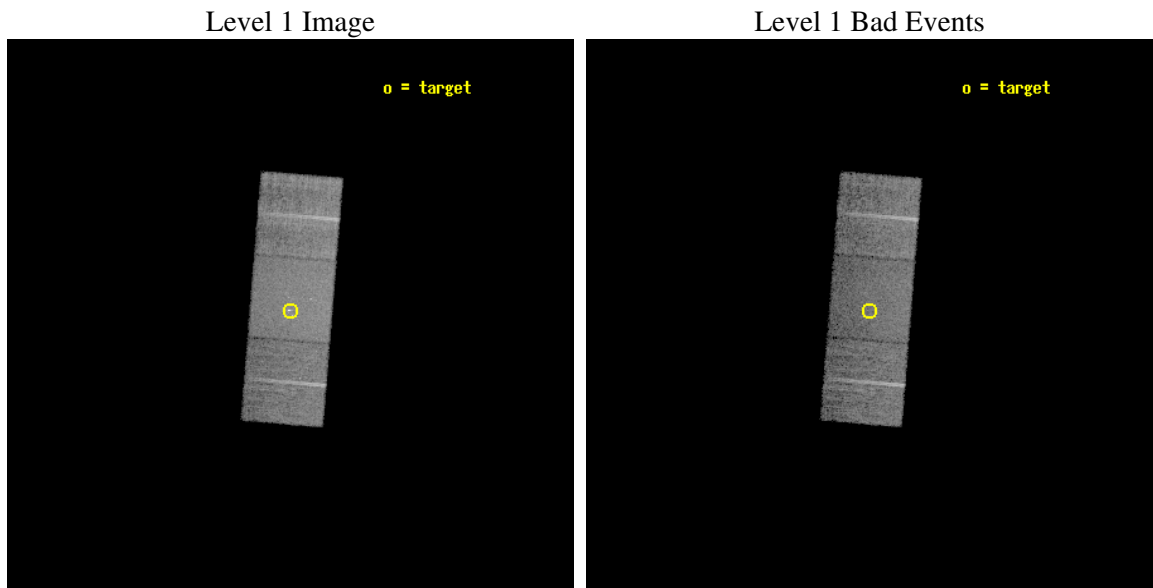
seq_num	300086
obs_id	2685
title	MULTIWAVELENGTH STUDY OF THE GLOBULAR CLUSTER M28 (NGC~6626)
observer	Dr. Werner Becker
object	M28
dtcycle	0
cycle	P
ra_targ	276.133333
dec_targ	-24.869639
ra_nom	276.13329906525
dec_nom	-24.890416024661
roll_nom	274.68532726518
revision	2
ontime	13689.559003443
livetime	13510.694836956
ontime6	13692.699973673
ontime7	13689.559003443
ontime8	13692.699973673
l2events	66974



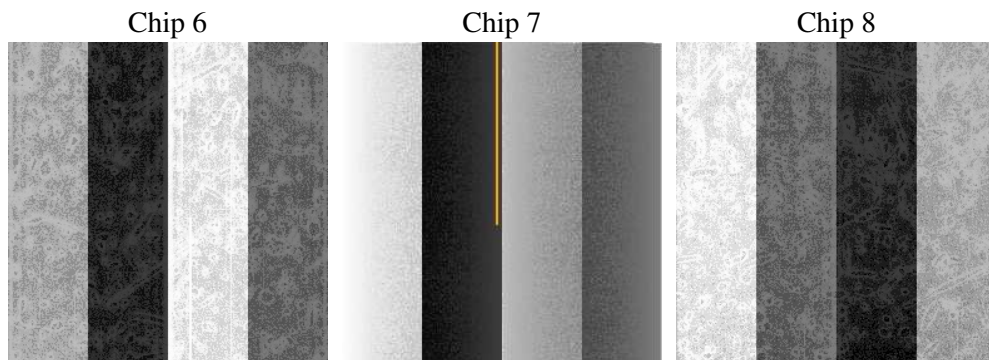
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.9
caldbver	3.2.3
date	2006-09-30T07:08:53
revision	2

sched_exp_time	13333.000000
ontime	13694.784783661
ontime6	13697.925753891
ontime7	13694.784783661
ontime8	13697.925753891
l1events	297893

2.1.4 Events

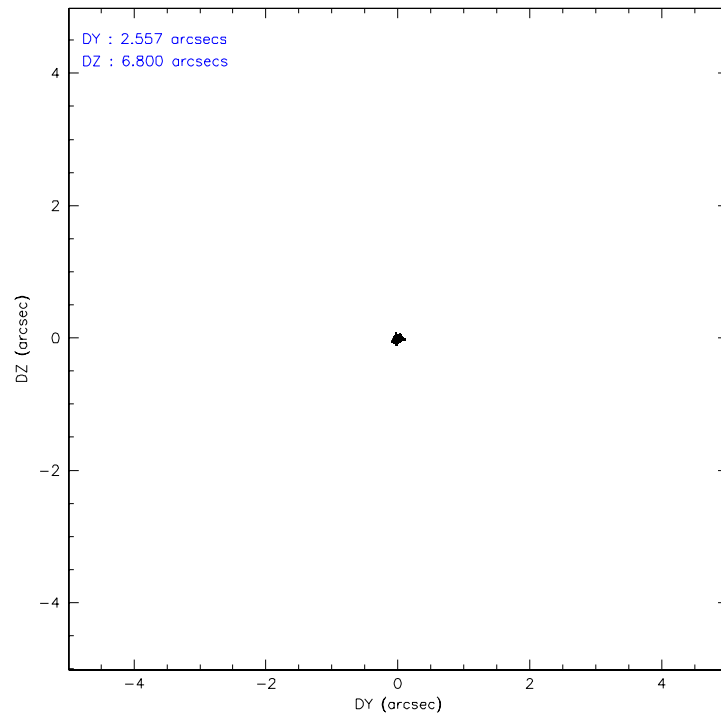
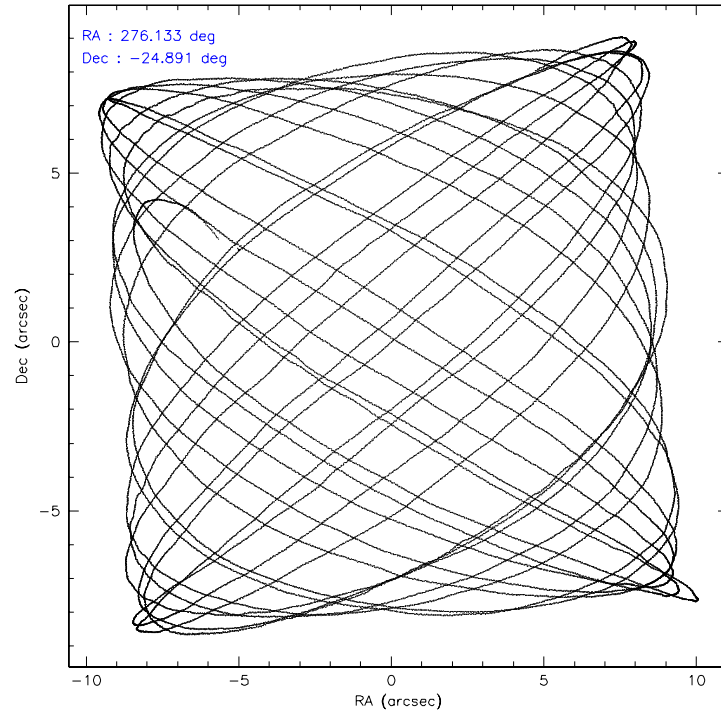
	ccd 6	ccd 7	ccd 8
level 1 events	83521	107532	106840
rejected events	70924	63268	78997
rejected %	84%	58%	73%

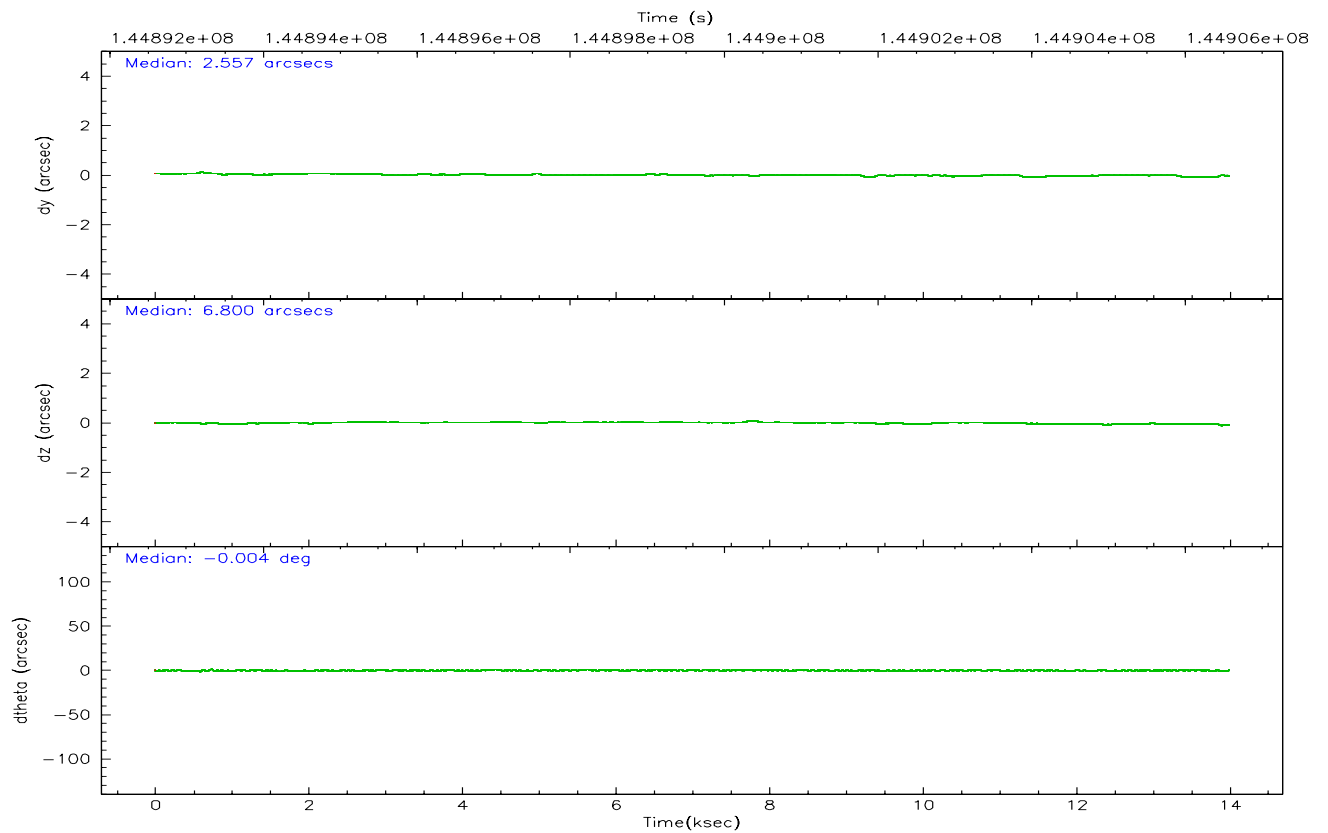
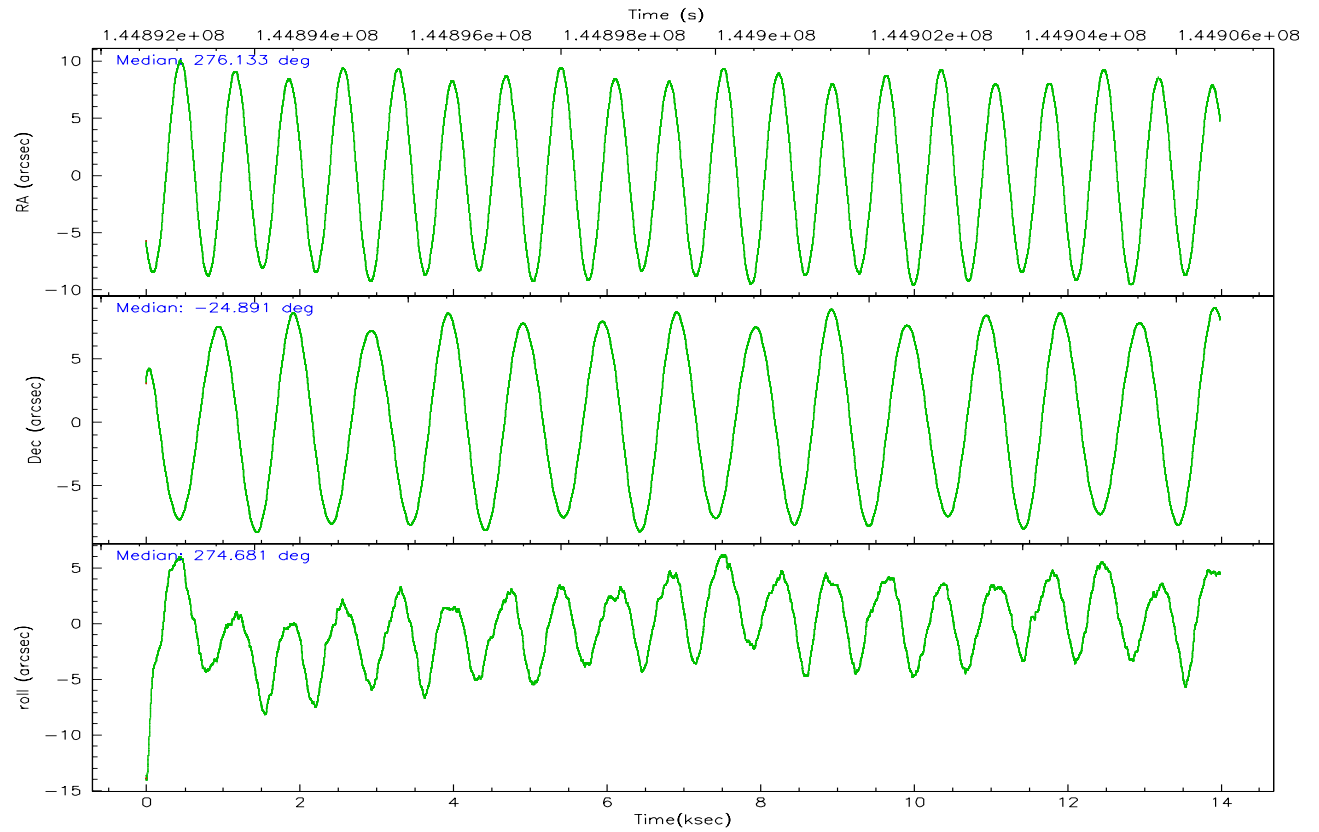
	ccd 6	ccd 7	ccd 8
grade 0 events	5873	3711	10647
	7%	3%	9%
grade 1 events	44	51	71
	0%	0%	0%
grade 2 events	2671	10812	5328
	3%	10%	4%
grade 3 events	970	2530	3140
	1%	2%	2%
grade 4 events	963	2434	2918
	1%	2%	2%
grade 5 events	3487	6675	4484
	4%	6%	4%
grade 6 events	2123	24790	5818
	2%	23%	5%
grade 7 events	67390	56529	74434
	80%	52%	69%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
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
Pointing RA	276.115889	276.1332990652506	Subarray requested	NONE	NONE
Pointing Dec	-24.868216	-24.8904160246606	Alternating exposures requested	N	N
Pointing Roll	274.521387	274.6853272651763	Primary exposure time	0.000000	3.1
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	144893246.184000	144892049.05817			
Observation start date	2002-08-05T00:06:22	2002-08-04T23:47:29			
Observation end time	144906579.184000	144906880.29628			
Observation end date	2002-08-05T03:48:35	2002-08-05T03:54:40			
Read mode	TIMED	TIMED			

2.3 Aspect



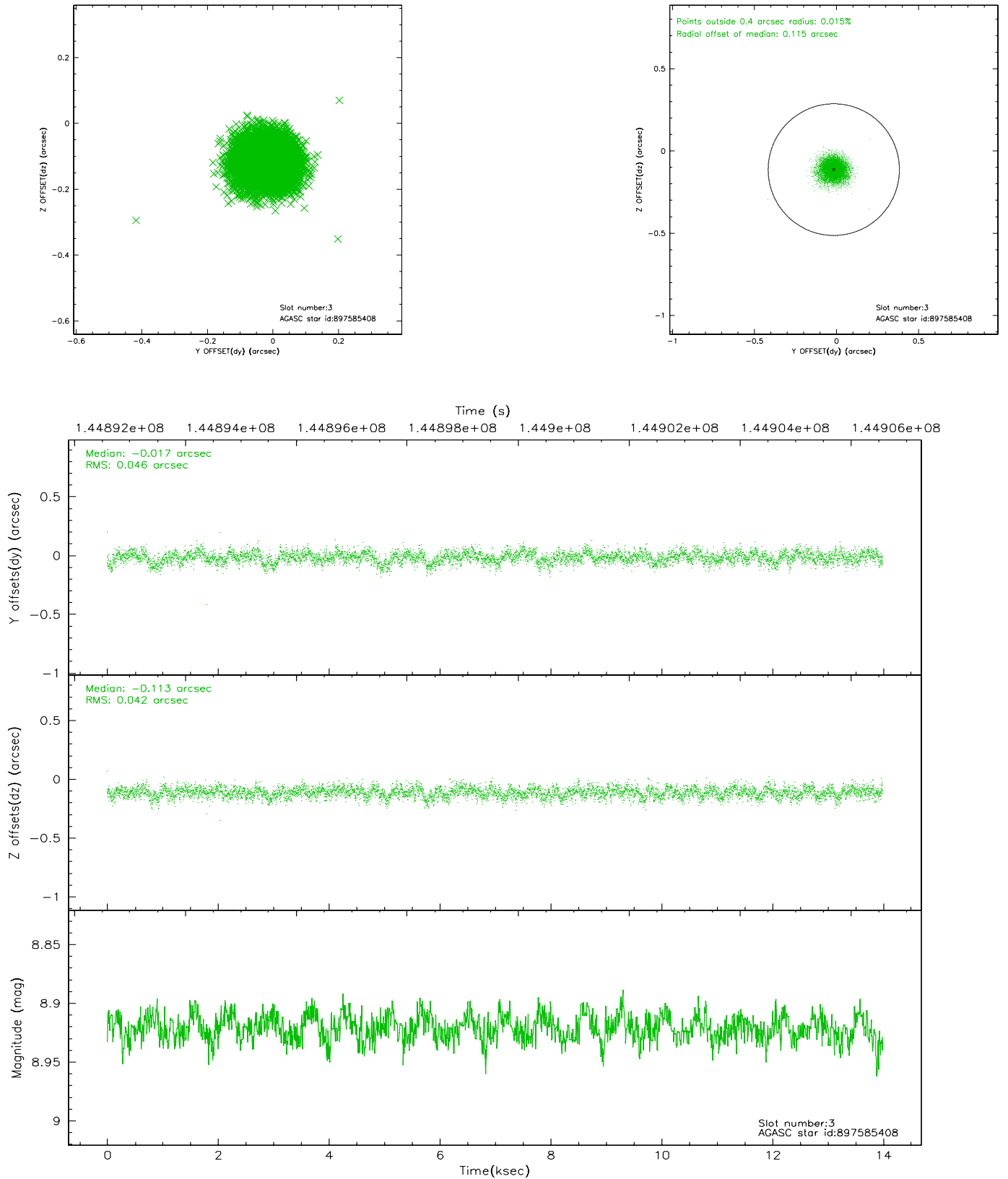


Slot Statistics

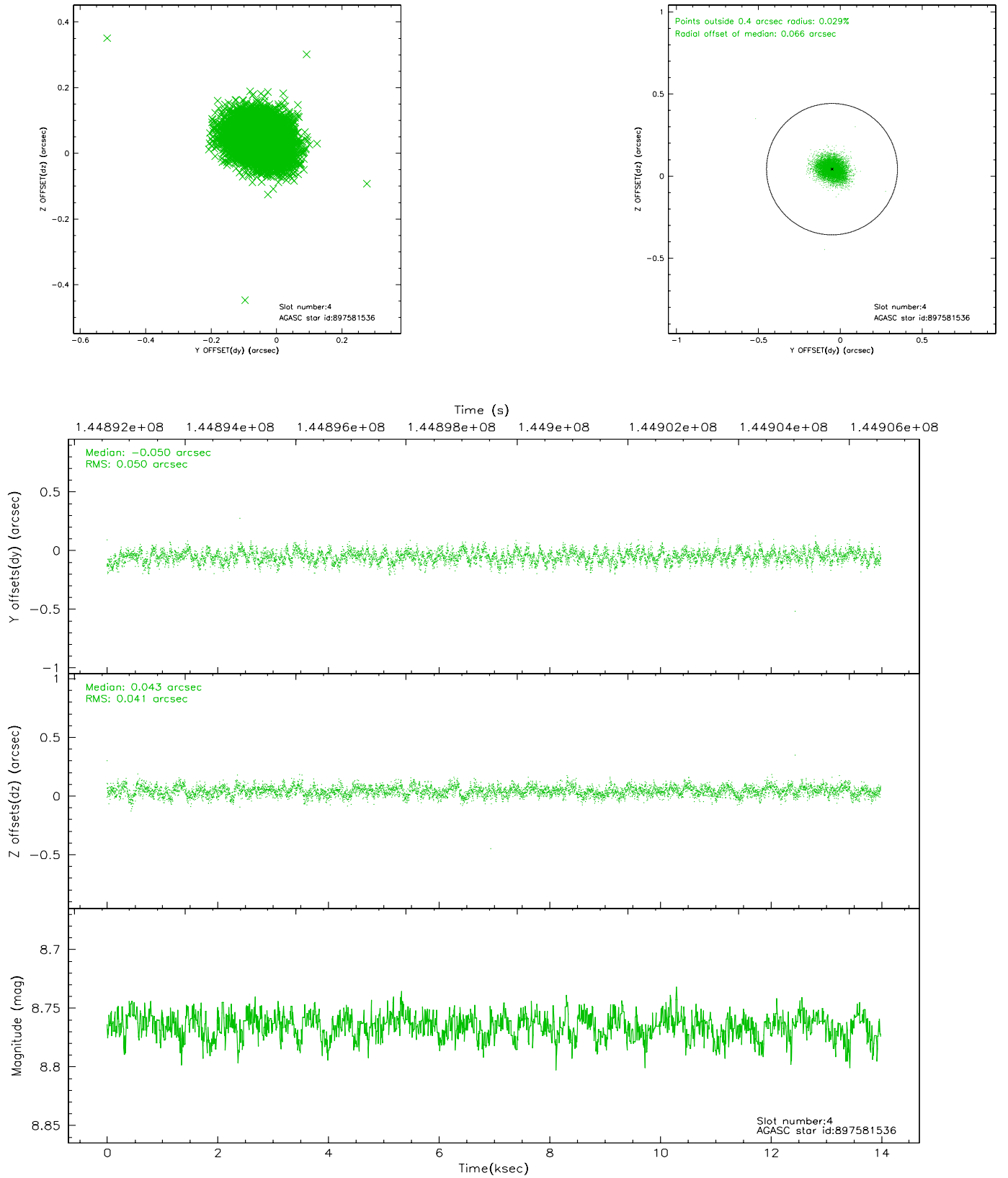
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.12	3413	0.015	0.023	0.006	0.011	0.000000	0.000000	-755.16	-1727.94
1	FID	ACIS-S-4	7.20	3413	-0.035	-0.006	0.006	0.010	0.000000	0.000000	2157.90	180.19
2	FID	ACIS-S-6	7.36	3413	-0.008	-0.009	0.007	0.012	0.000000	0.000000	407.21	817.95
3	GUIDE	897585408	8.92	6827	-0.017	-0.113	0.066	0.108	276.128475	-24.385394	-1730.61	178.11
4	GUIDE	897581536	8.76	6827	-0.050	0.043	0.068	0.110	276.270189	-24.414428	-1589.91	633.11
5	GUIDE	897607632	9.03	6824	0.035	-0.045	0.078	0.127	275.528210	-25.239953	1186.24	-2013.31
6	GUIDE	897076488	9.45	6823	0.008	0.093	0.091	0.155	275.884089	-24.287832	-2143.09	-593.88
7	GUIDE	897604816	9.63	6817	0.028	0.022	0.100	0.170	276.024863	-24.968377	334.71	-324.46

2.4 Star Slots

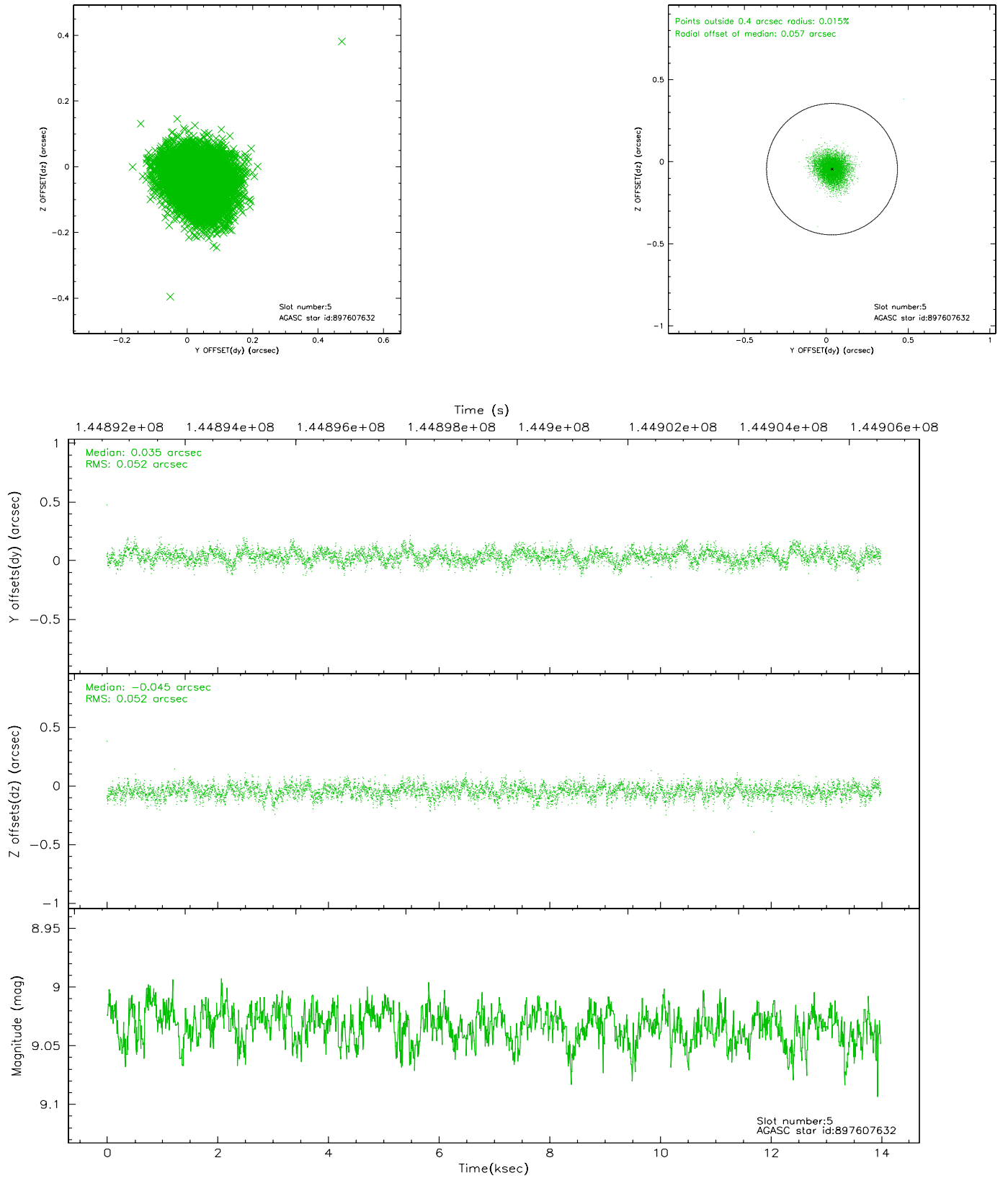
2.4.1 Slot 3



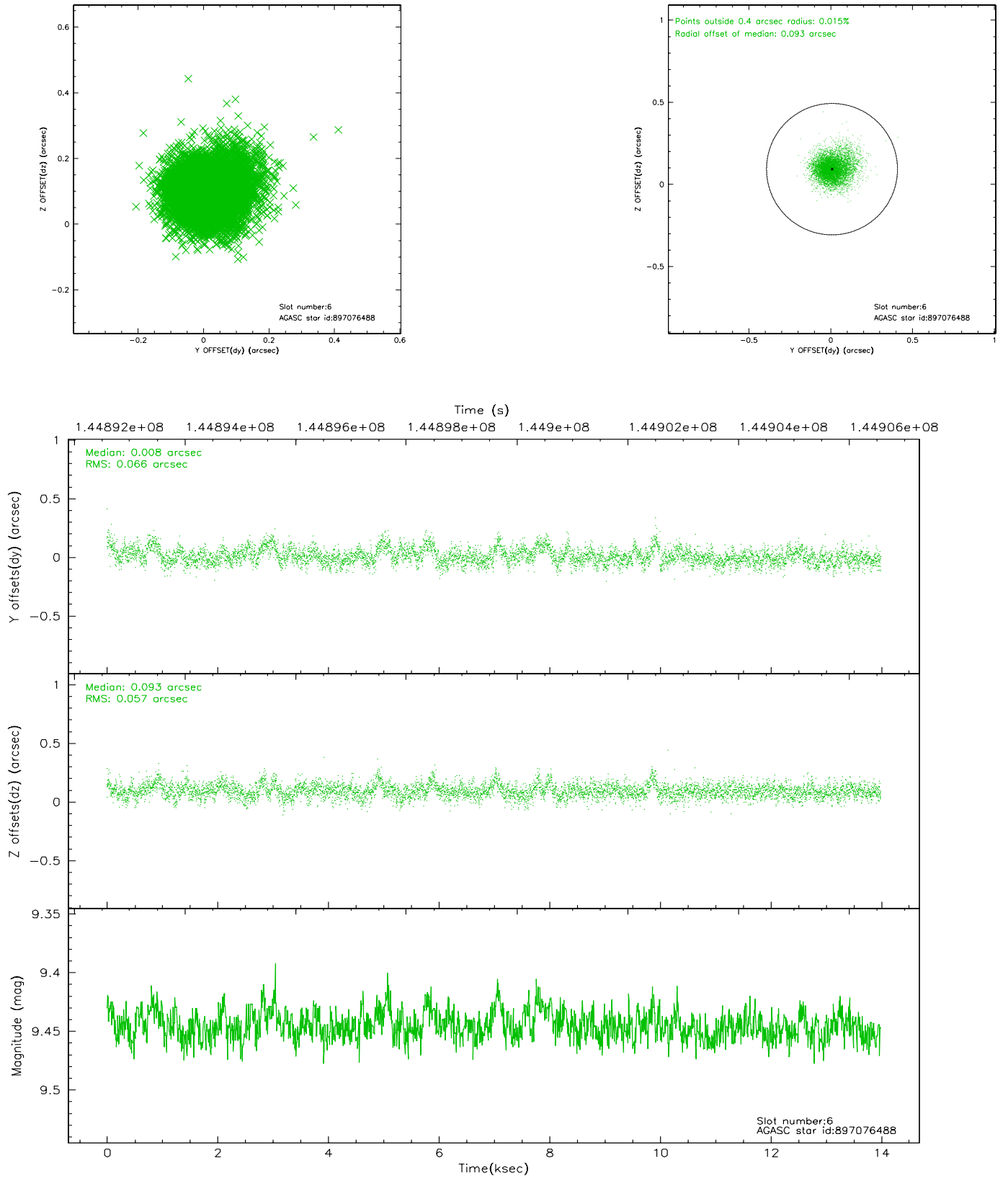
2.4.2 Slot 4



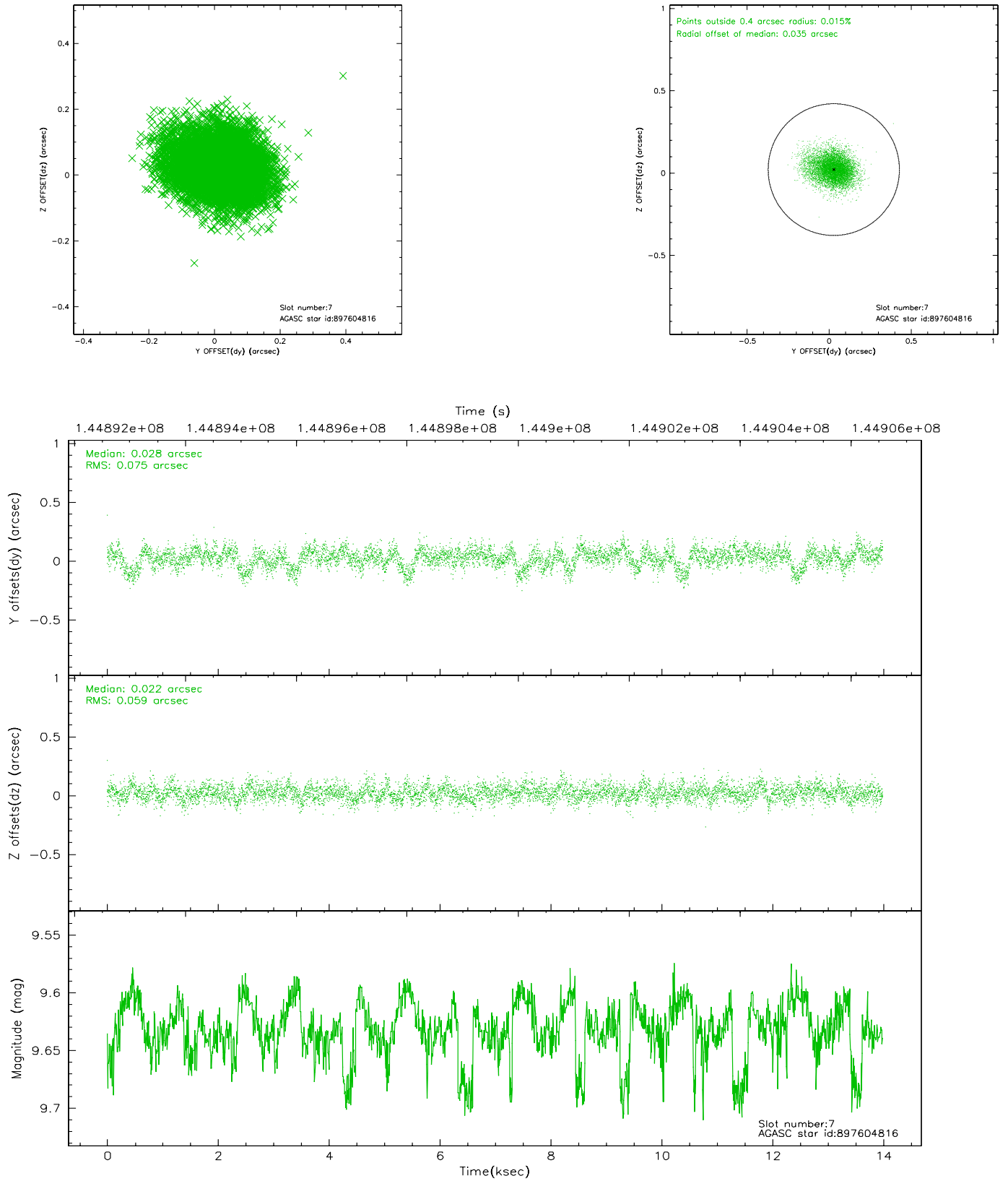
2.4.3 Slot 5



2.4.4 Slot 6

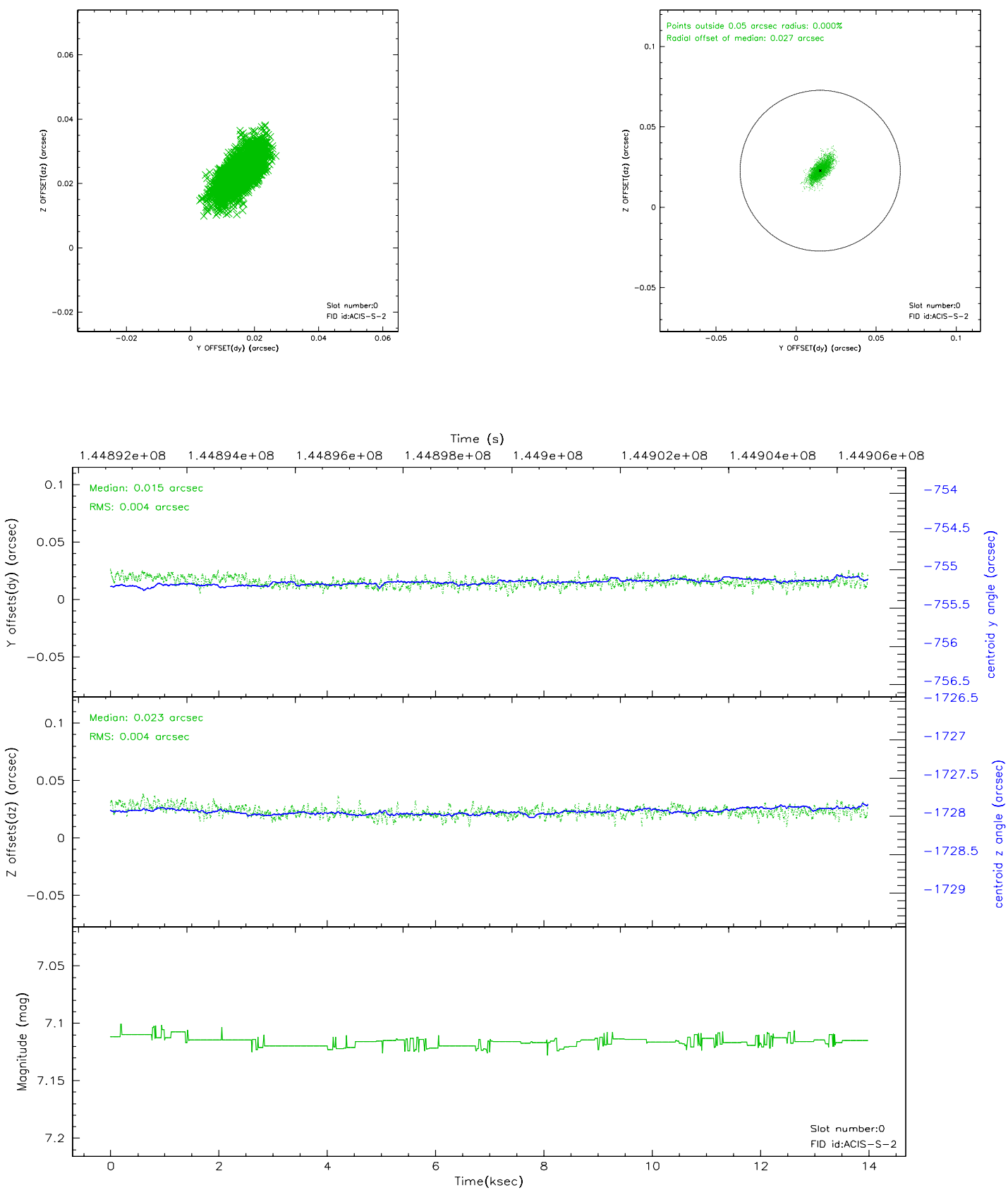


2.4.5 Slot 7

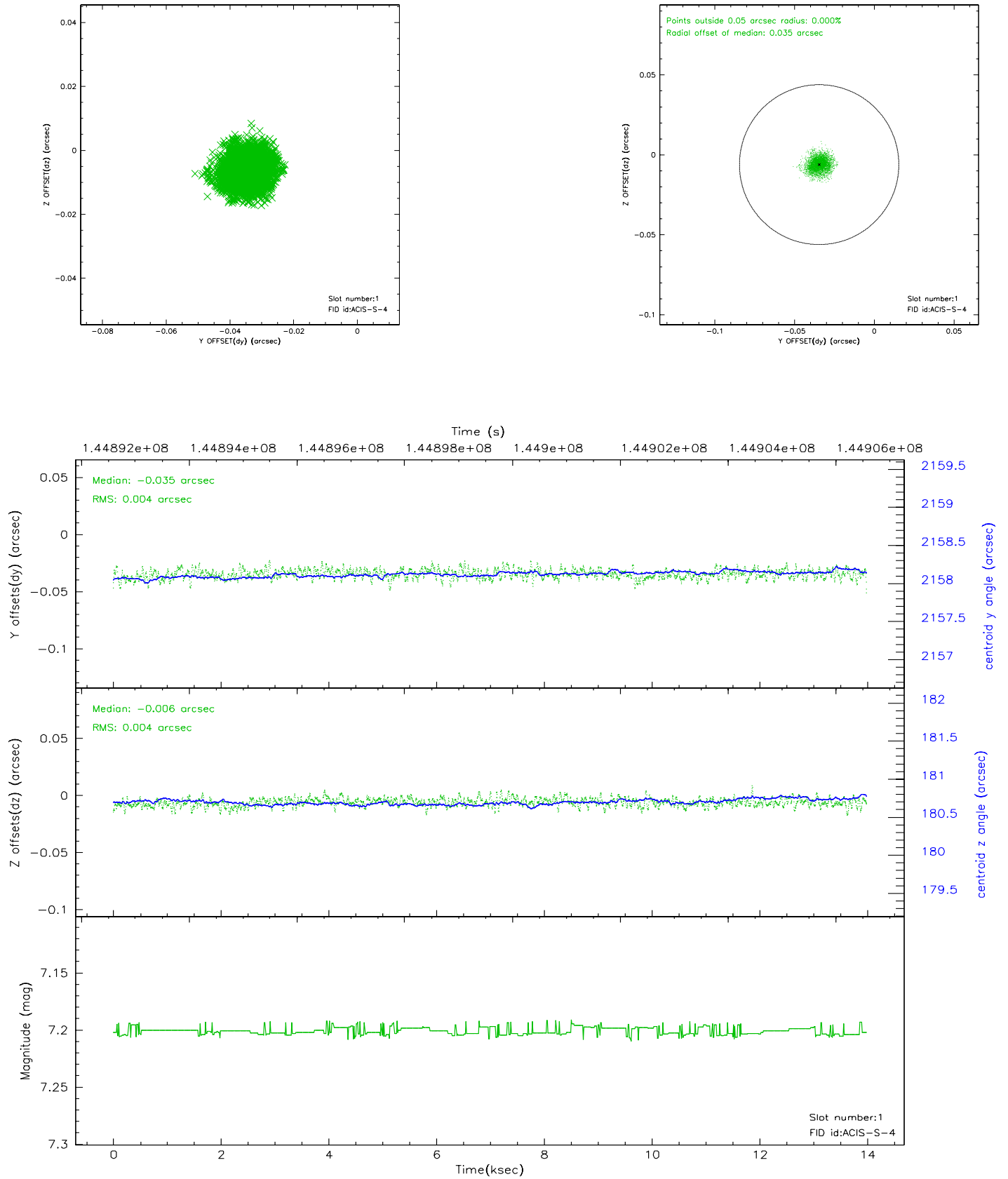


2.5 FID Slots

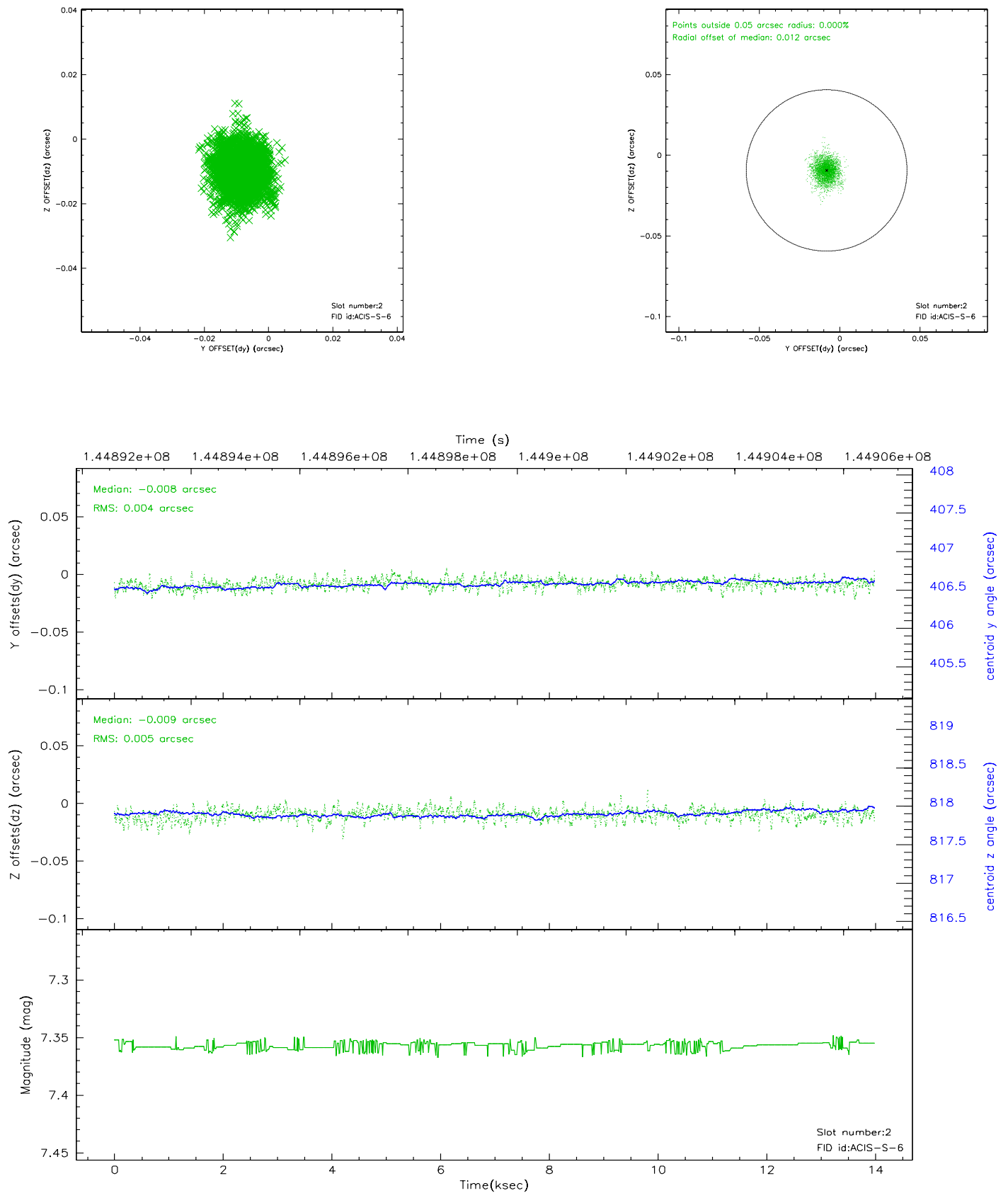
2.5.1 Slot 0



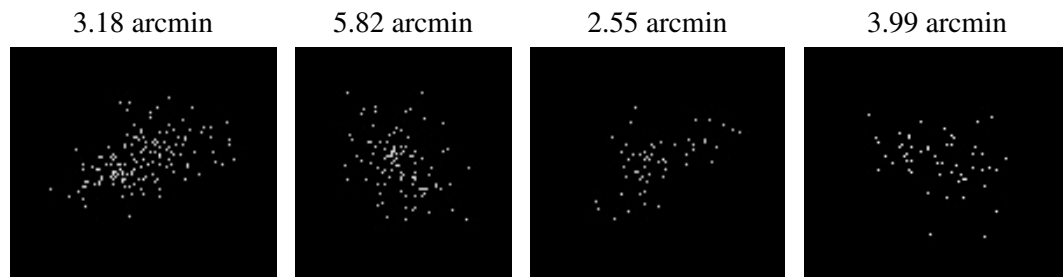
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.10.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	13.689

A.2 Comments

Monitor constraint not met, follow obs2684 by 32 days instead of requested 30.

Focal plane temperature is warmer than -118.7 C degrees during the first 2 ksec of the observation. This temperature is the upper limit of the verified ACIS calibration for the front-illuminated chips. The focal plane temperature is warmer than -116.7 degrees C for approximately the first 8 ksec of this observation. This temperature is the upper limit of the verified ACIS calibration for the back-illuminated chips. The ACIS spectral response calibration is less accurate at these warmer temperatures than it is at -119.7 C. Users whose science objectives depend on the most accurate spectral response (ie: fitting line-rich spectra) may notice an effect. Users whose science objectives do not depend on the most accurate spectral response should not notice an effect.