

V&V Reference Report

L2 ASCDS Version : 7.6.7.1

Observation 5373 - L2 Version 002
Chandra X-Ray Center

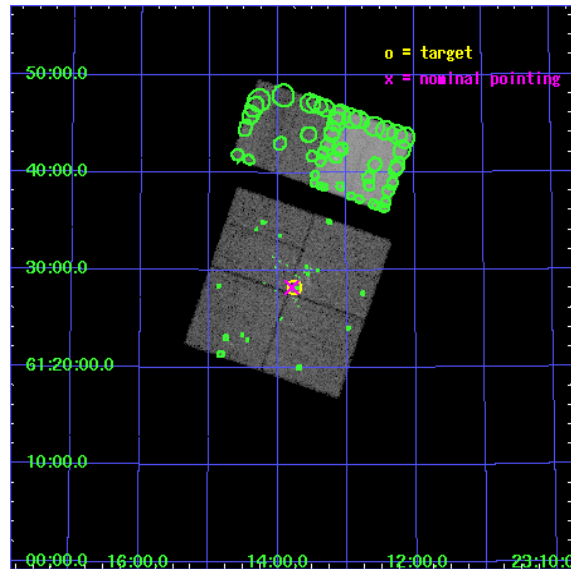
L2 Processing Date : Mar 17 2006

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
3	Point Sources	17
A	Summary	18
A.1	Status	18
A.2	Comments	18

1 Front

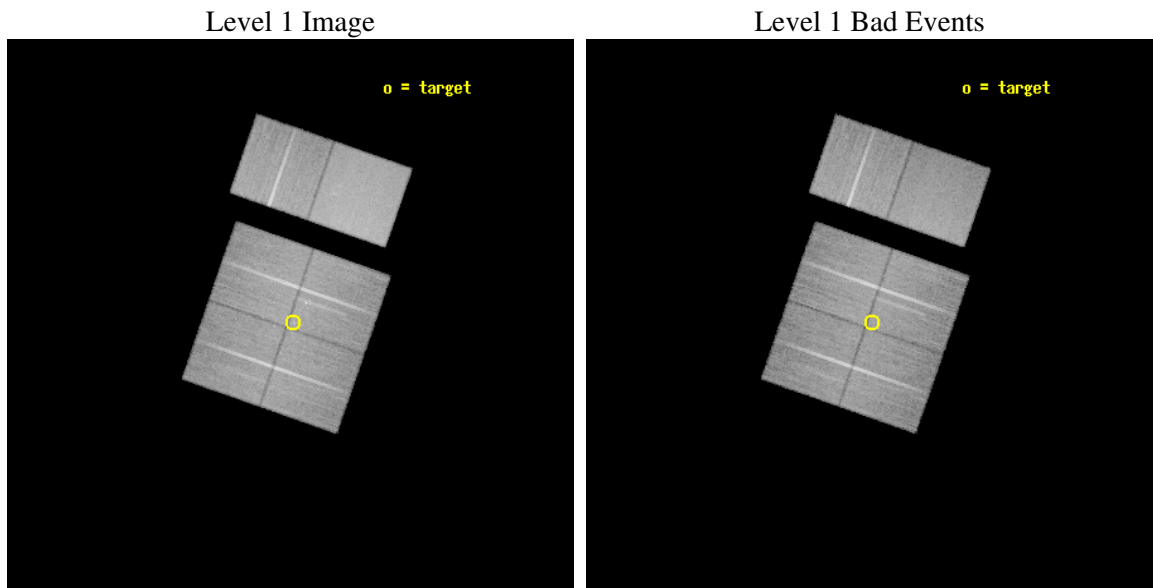
seq_num	200308
obs_id	5373
title	Alternate: A Search for X-ray Activity from a Mass-Accreting Young Massive Star in NGC7538 with ACIS-I
observer	Prof. Gordon Garmire
object	NGC7538
dtcycle	0
cycle	P
ra_targ	348.439583
dec_targ	61.471278
ra_nom	348.44925316957
dec_nom	61.470969818878
roll_nom	19.17702329564
revision	2
ontime	29955.158928126
livetime	29575.848668947
ontime0	29955.158898205
ontime1	29958.399888396
ontime2	29958.399888396
ontime3	29955.158928126
ontime6	29955.158898234
ontime7	29958.399888396
l2events	236863



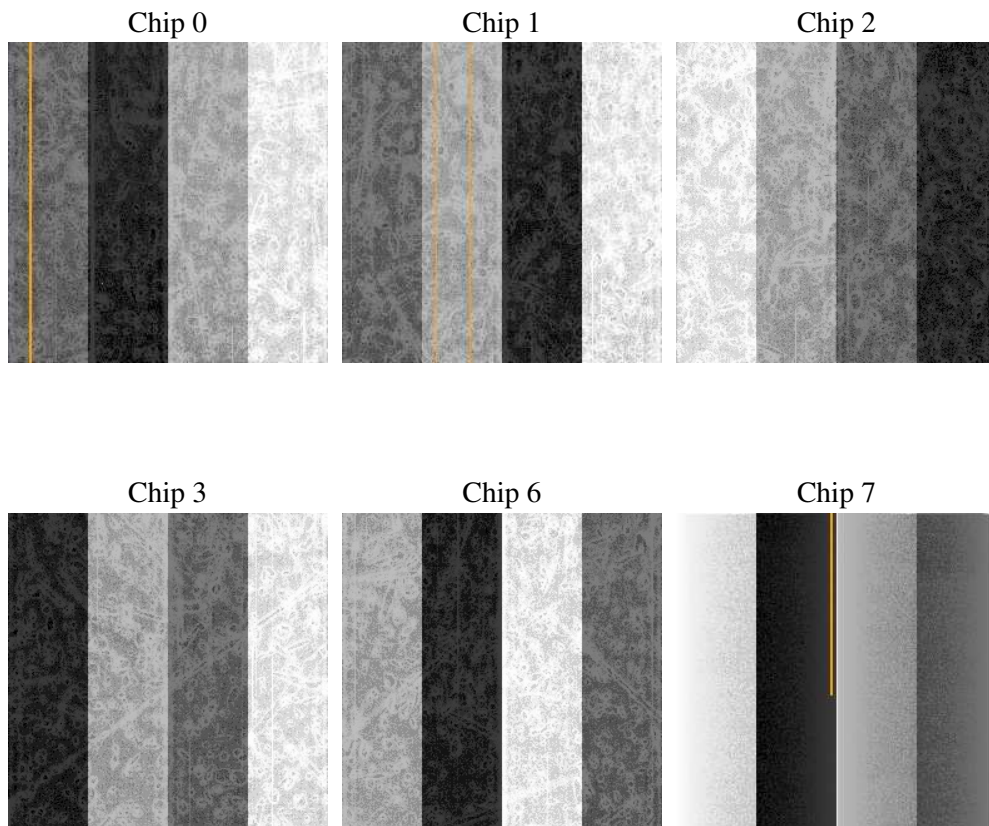
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.1
caldsver	3.2.1
date	2006-03-17T15:15:57
revision	2

sched_exp_time	30000.000000
ontime	29959.818719715
ontime0	29959.818689793
ontime1	29963.059679985
ontime2	29963.059679985
ontime3	29959.818719715
ontime6	29959.818689823
ontime7	29963.059679985
l1events	1376076

2.1.4 Events

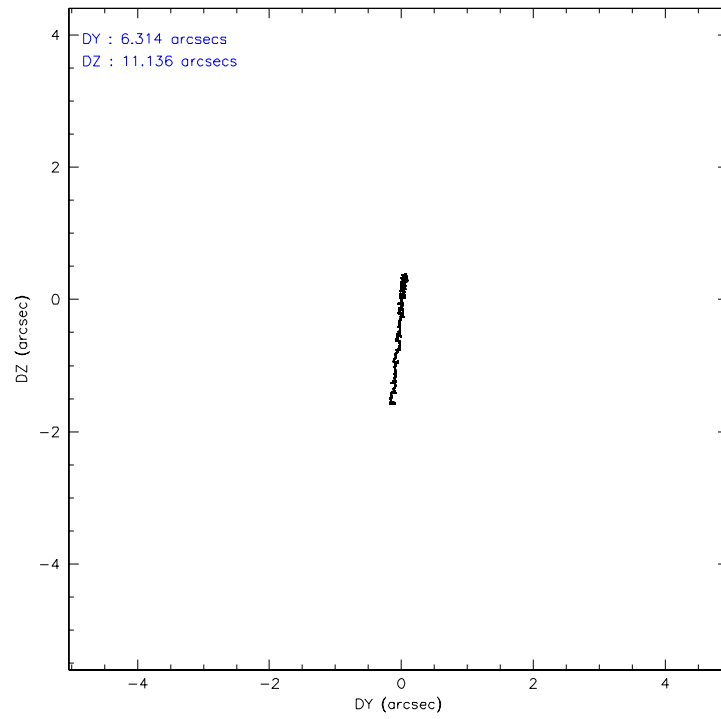
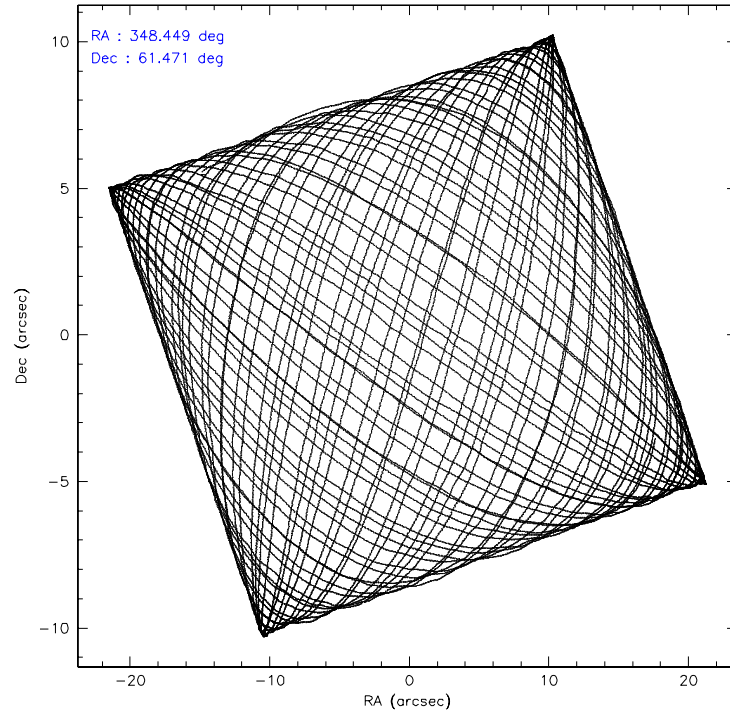
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	199282	202229	220296	216853	231716	305700
rejected events	171490	173377	192230	188060	204371	188525
rejected %	86%	85%	87%	86%	88%	61%

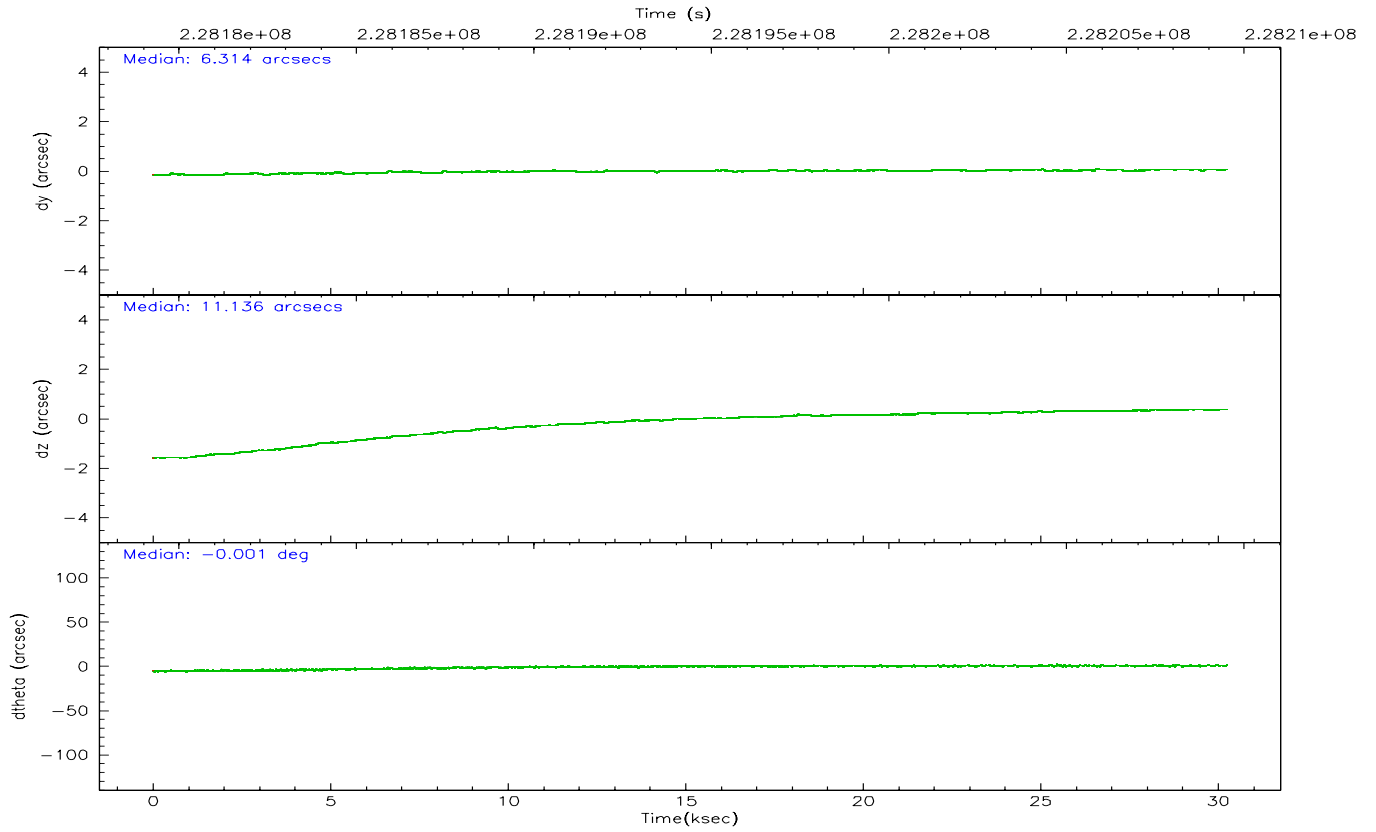
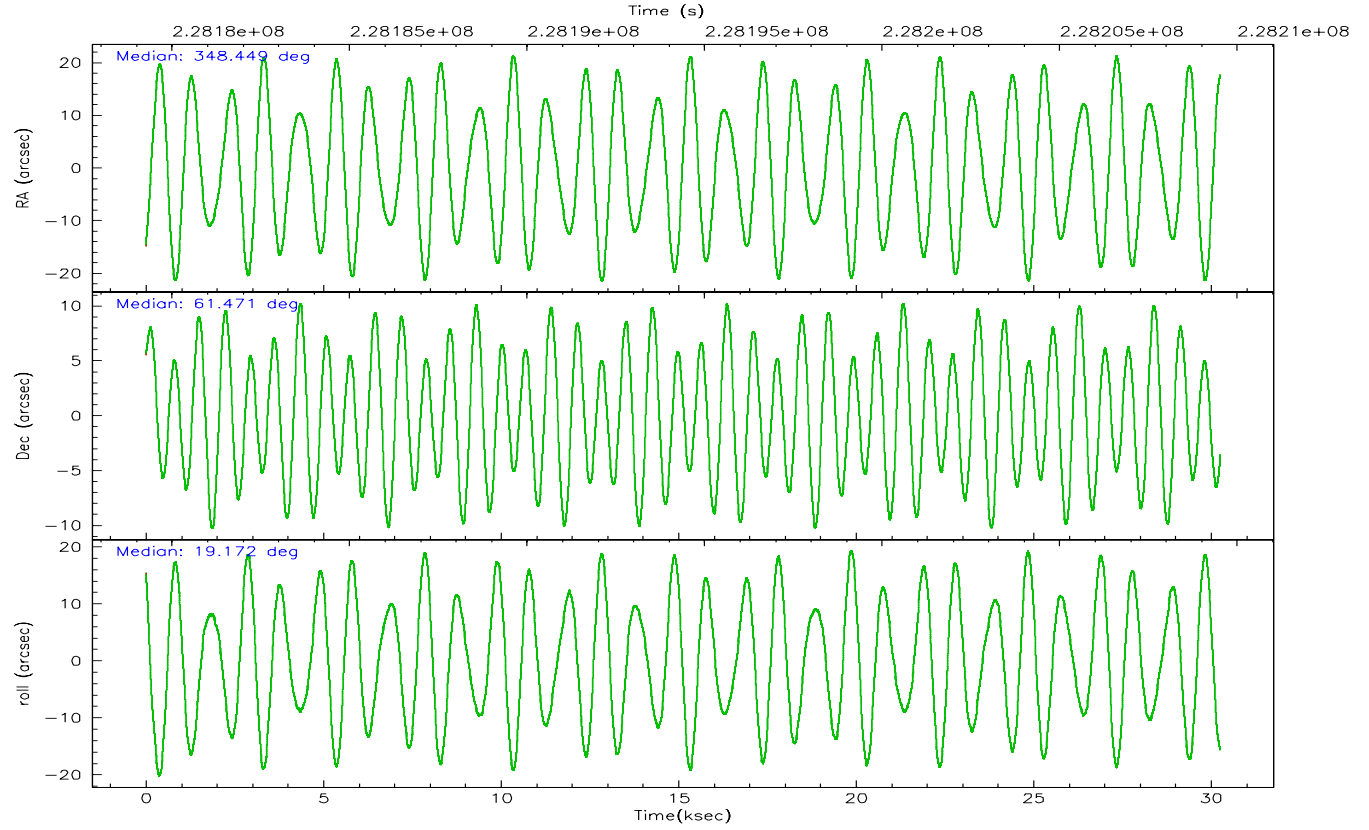
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	12173	11400	13042	13628	10840	6582
	6%	5%	5%	6%	4%	2%
grade 1 events	124	111	152	145	130	169
	0%	0%	0%	0%	0%	0%
grade 2 events	5752	6356	5674	5280	5926	29187
	2%	3%	2%	2%	2%	9%
grade 3 events	2610	2783	2417	2652	2525	5716
	1%	1%	1%	1%	1%	1%
grade 4 events	2567	2747	2481	2478	2504	5698
	1%	1%	1%	1%	1%	1%
grade 5 events	9045	9560	8660	9953	10565	19678
	4%	4%	3%	4%	4%	6%
grade 6 events	4691	5568	4455	4759	5553	70021
	2%	2%	2%	2%	2%	22%
grade 7 events	162320	163704	183415	177958	193673	168649
	81%	80%	83%	82%	83%	55%

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	VFAINT	VFAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	348.411995	348.449253169568	Alternating exposures requested	N	N
Pointing Dec	61.450163	61.47096981887824	Primary exposure time	0.000000	3.2
Pointing Roll	19.001065	19.1770232956398			
SIM focus pos (mm)	-0.782348	-0.7809083437167272			
SIM defocus (mm)	0	0.001439871863259334			
SIM translation stage pos (mm)	-233.592463	-233.5874344608287			
SIM translation stage offset (mm)	0	-0.005018542100998502			
Observation start time	228179516.184000	228178520.42757			
Observation start date	2005-03-25T23:10:52	2005-03-25T22:55:20			
Observation end time	228209516.184000	228210183.19151			
Observation end date	2005-03-26T07:30:52	2005-03-26T07:43:03			
Read mode	TIMED	TIMED			

2.3 Aspect



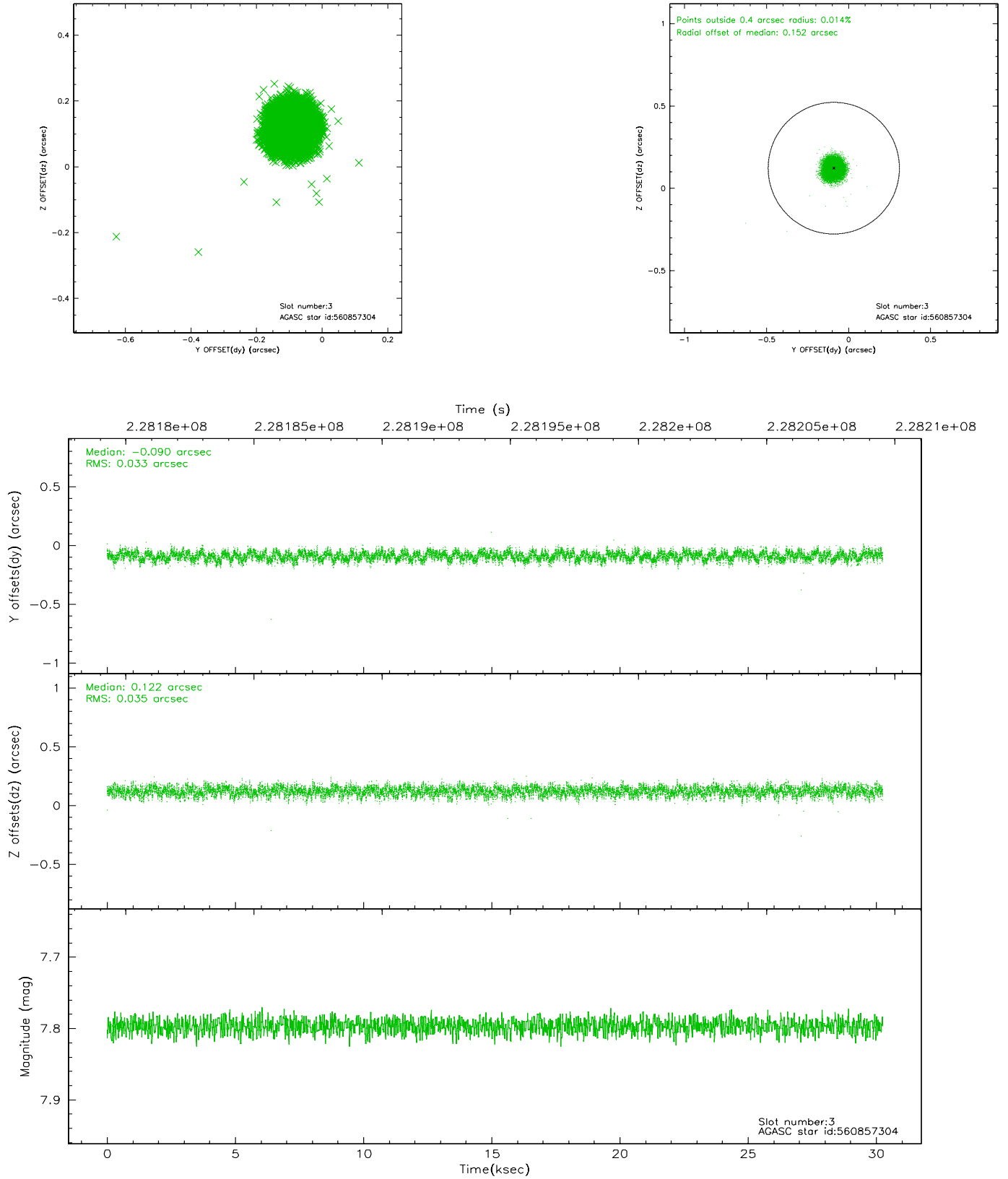


Slot Statistics

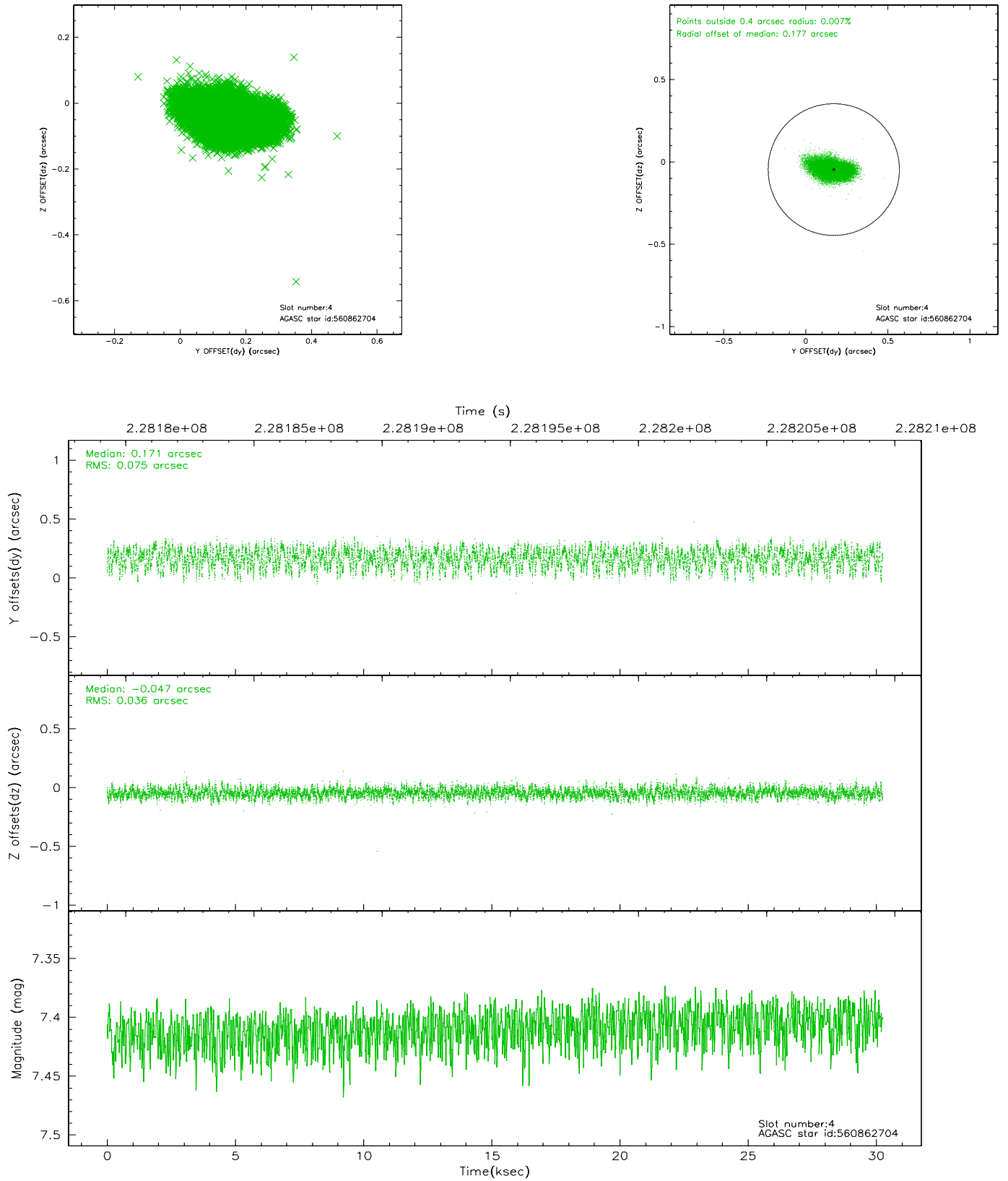
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	7381	0.013	0.011	0.013	0.053	0.000000	0.000000	933.39	-834.38
1	FID	ACIS-I-5	7.23	7379	-0.129	0.042	0.012	0.026	0.000000	0.000000	-1814.78	1063.14
2	FID	ACIS-I-6	7.25	7381	0.025	0.015	0.014	0.035	0.000000	0.000000	398.92	1707.66
3	GUIDE	560857304	7.80	14760	-0.090	0.122	0.051	0.081	347.545364	61.241621	-1660.33	-211.57
4	GUIDE	560862704	7.41	14760	0.171	-0.047	0.088	0.145	350.002707	61.149838	2271.73	-1889.77
5	GUIDE	560864232	8.46	14758	-0.007	0.016	0.074	0.124	347.334108	61.656376	-1495.07	1316.03
6	GUIDE	560864864	8.98	14756	-0.026	-0.026	0.067	0.111	347.395288	61.465785	-1630.36	635.41
7	GUIDE	560858256	8.09	14756	-0.047	-0.066	0.057	0.092	348.871647	61.865893	1225.66	1163.92

2.4 Star Slots

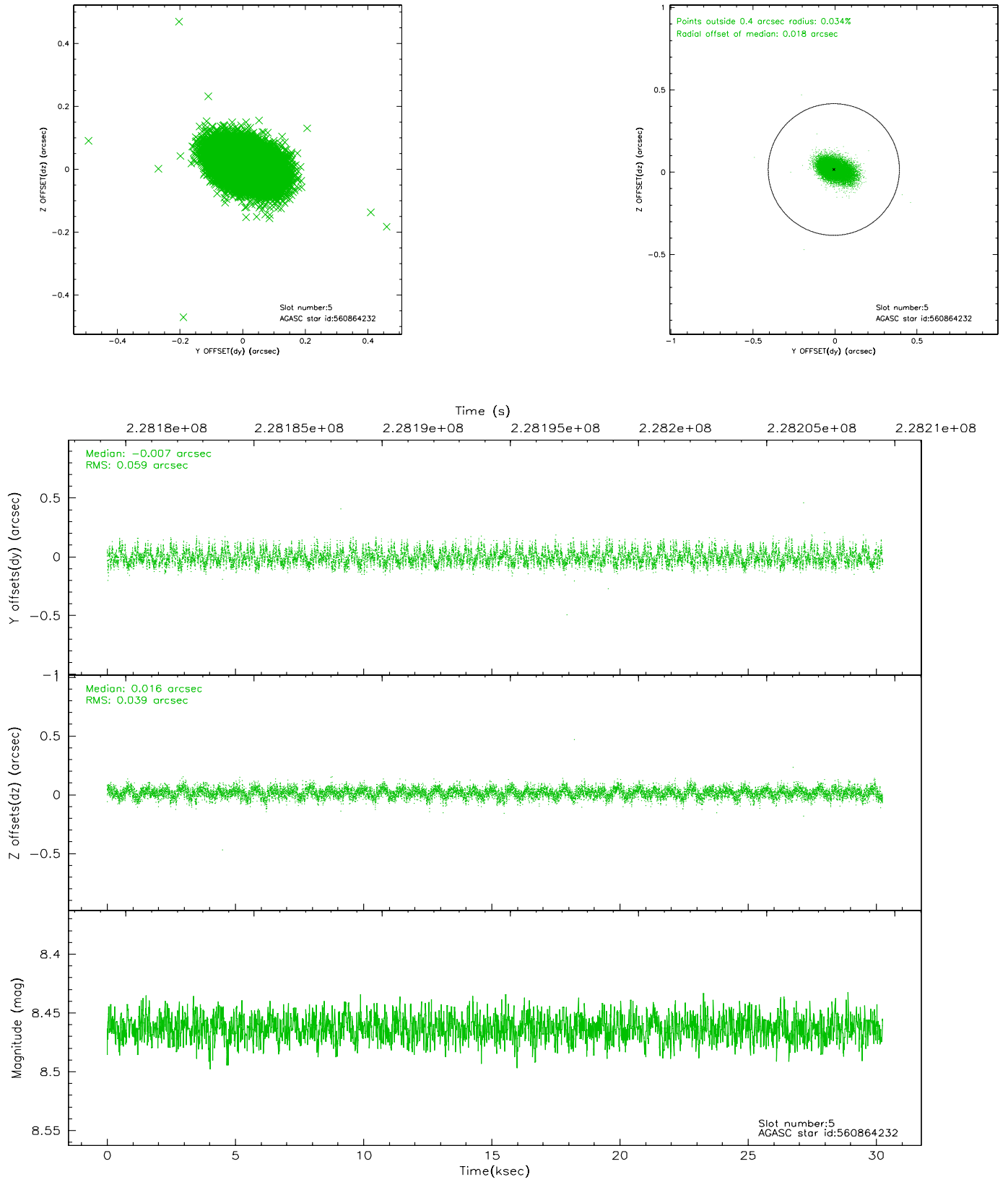
2.4.1 Slot 3



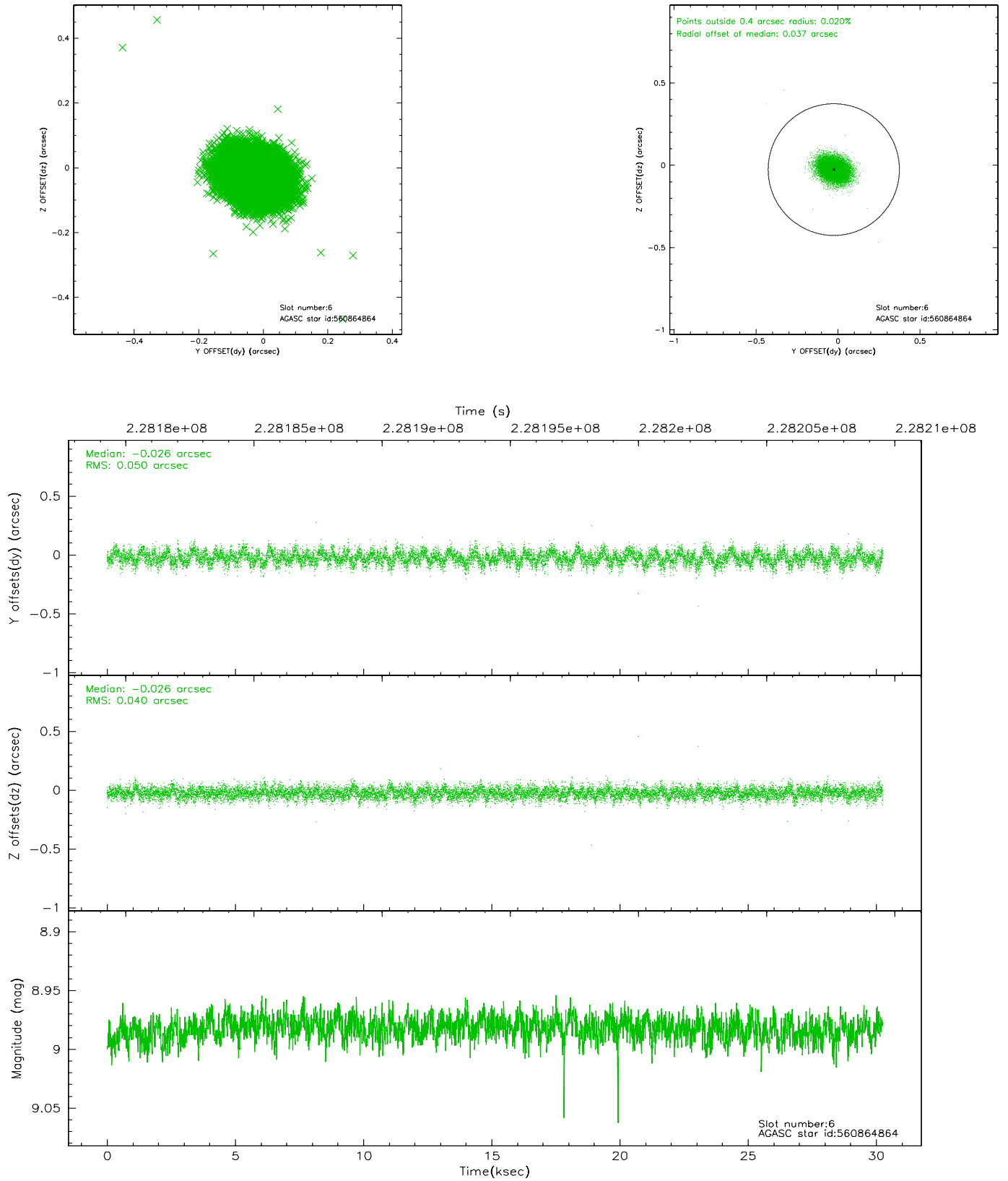
2.4.2 Slot 4



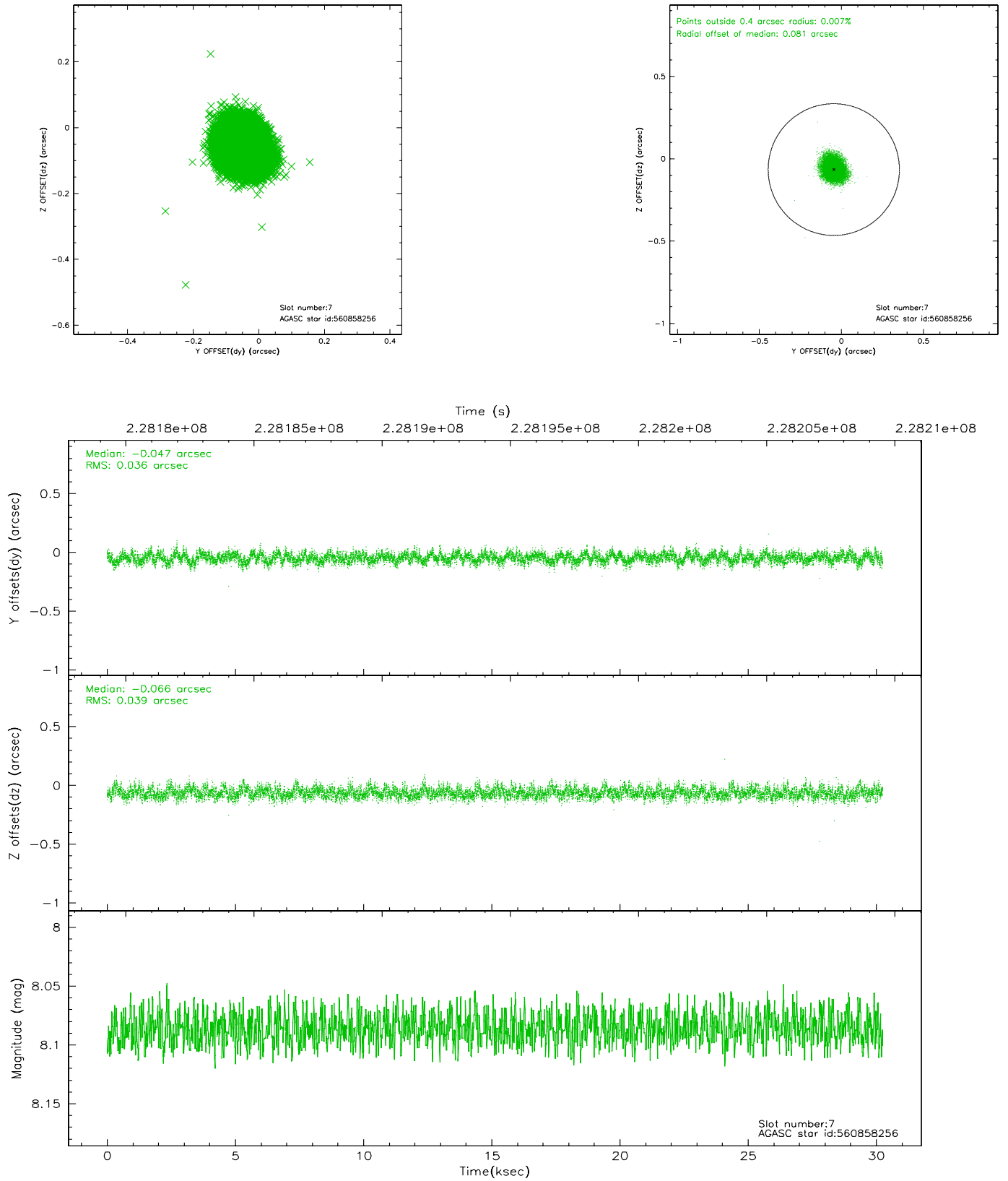
2.4.3 Slot 5



2.4.4 Slot 6

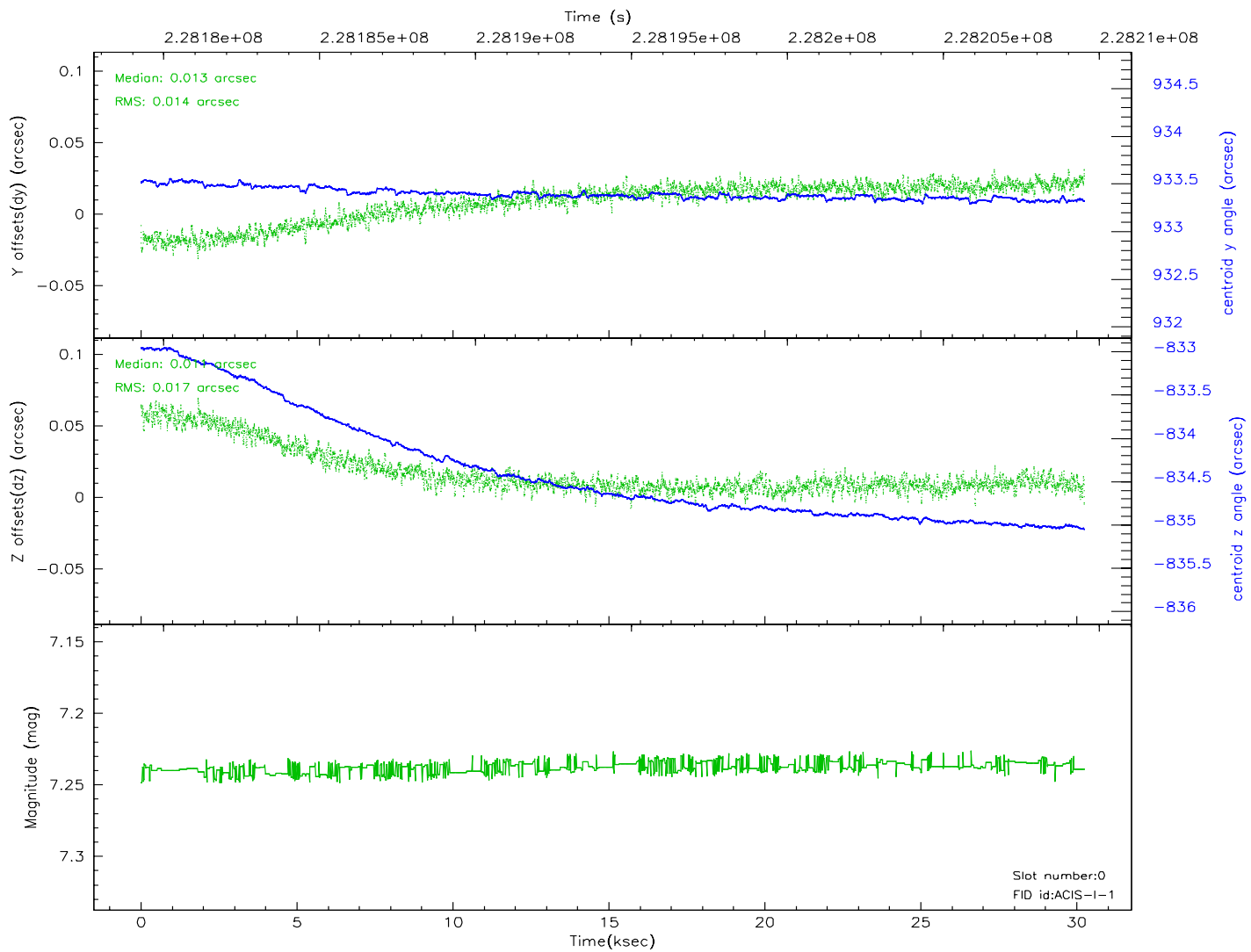
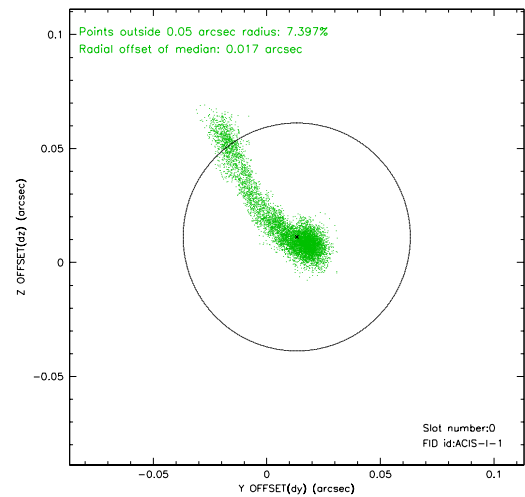
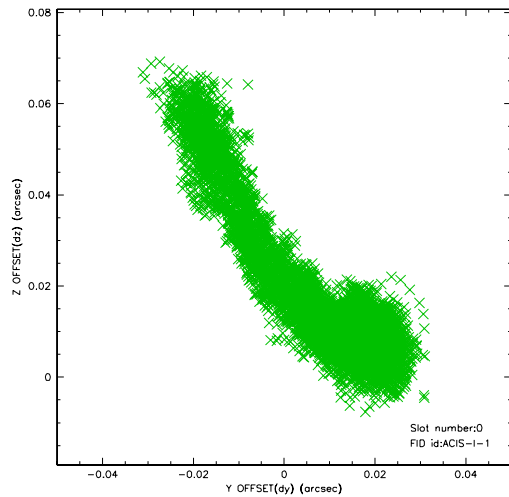


2.4.5 Slot 7

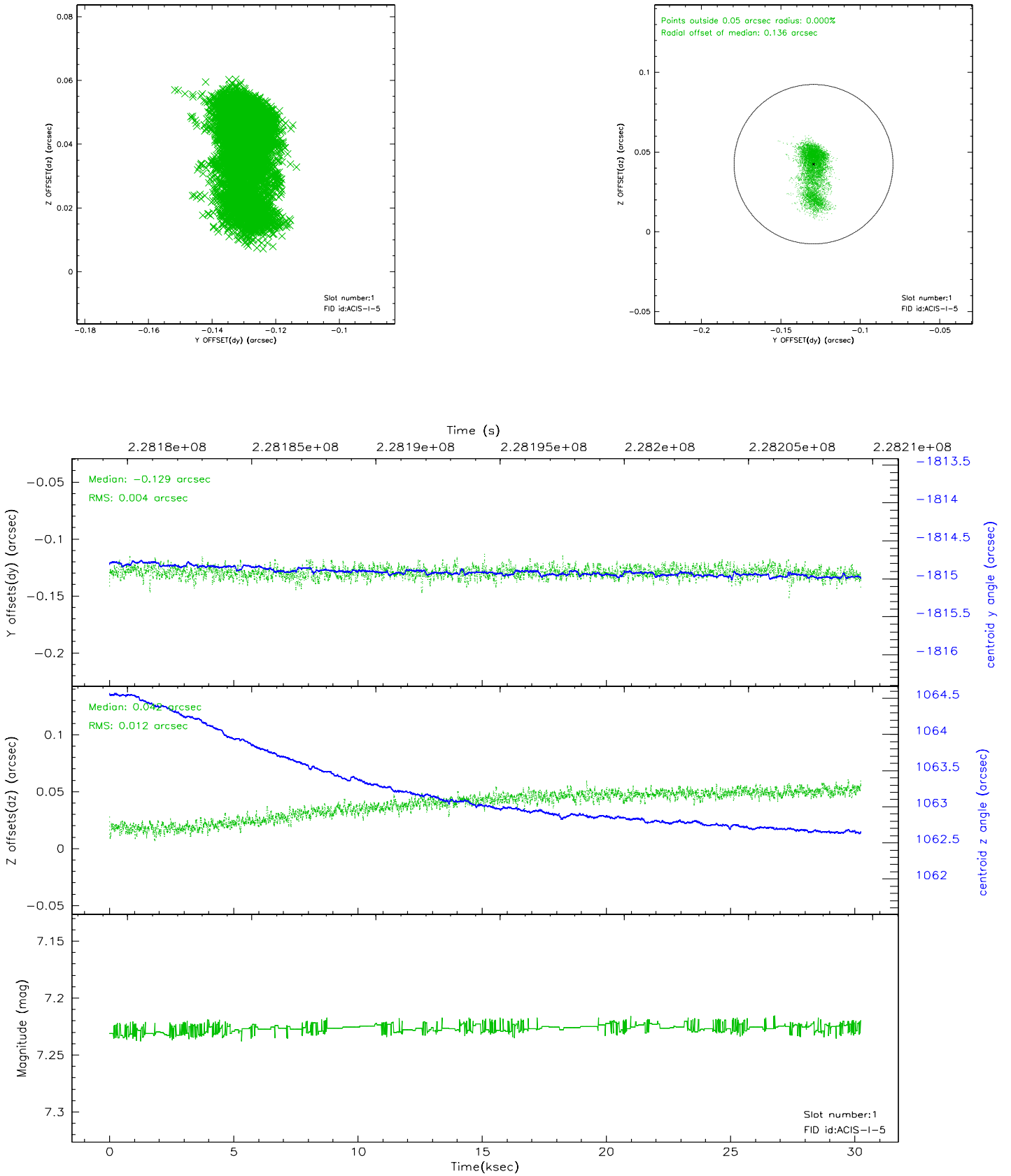


2.5 FID Slots

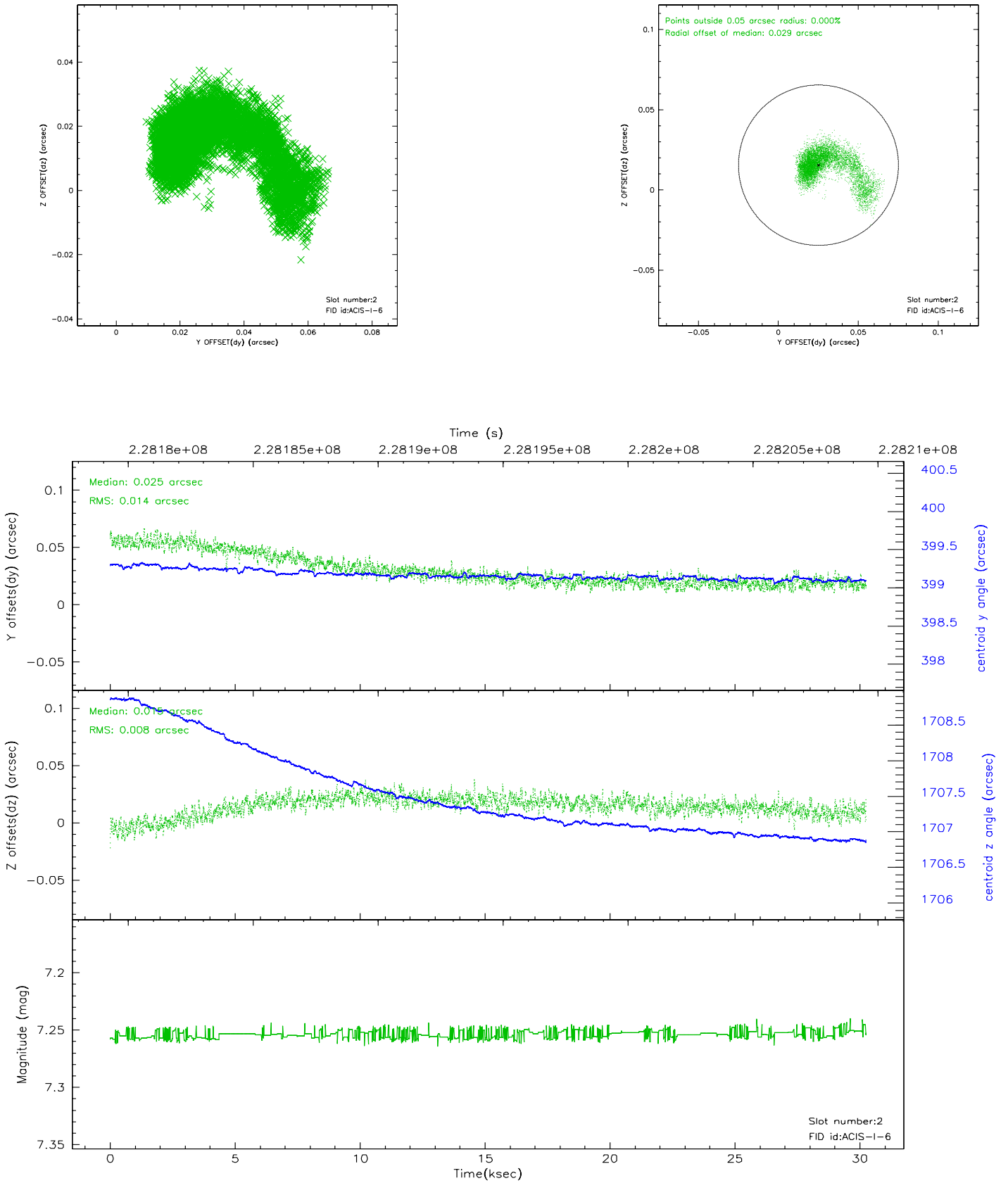
2.5.1 Slot 0



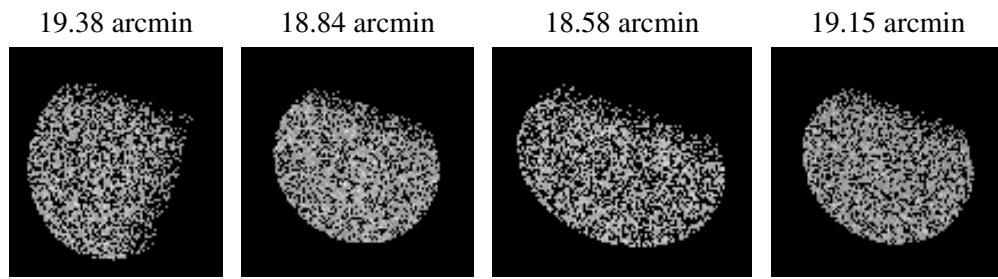
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.03.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	29.95515

A.2 Comments