

V&V Reference Report

L2 ASCDS Version : 7.6.7.2

Observation 4643 - L2 Version 3
Chandra X-Ray Center

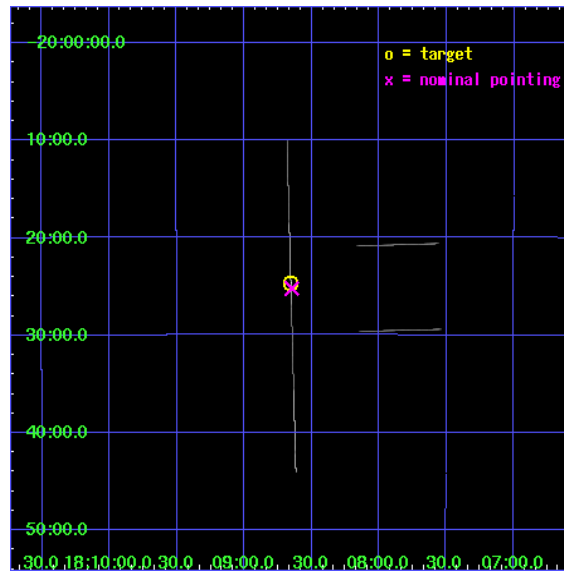
L2 Processing Date : Apr 11 2008

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1 Front

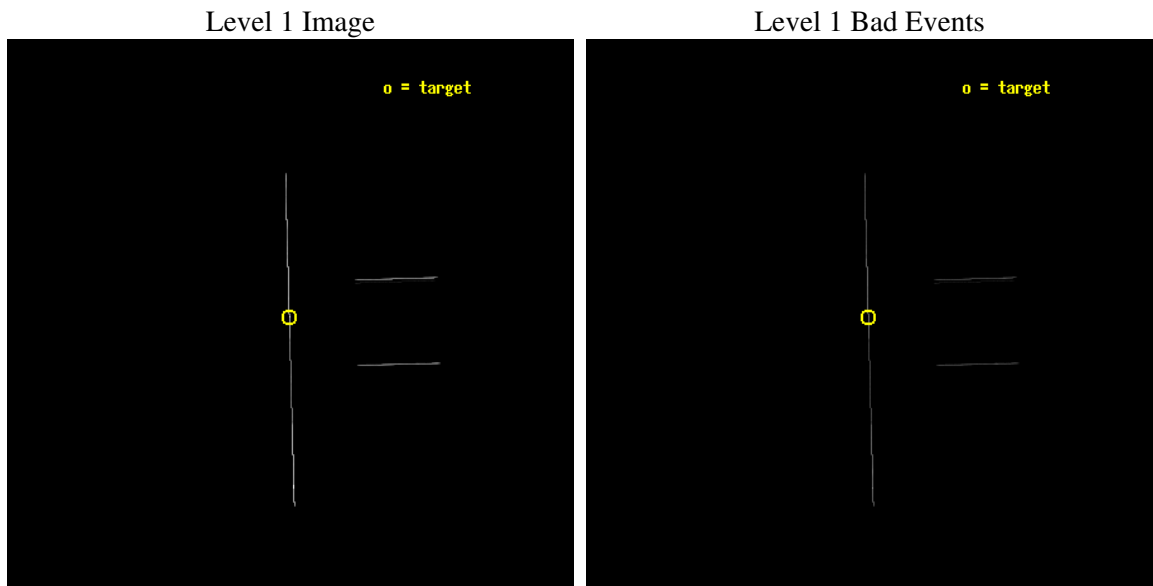
seq_num	500462
obs_id	4643
title	ToO Observations of Soft Gamma Repeaters
observer	Dr. Peter Woods
object	SGR 1806-20
ra_targ	272.16375
dec_targ	-20.410972
ra_nom	272.16165636596
dec_nom	-20.420423908042
roll_nom	268.40720970465
revision	3
ontime	35157.75
livetime	35020.415039062
ontime2	35157.75
ontime3	35157.75
ontime5	35157.75
ontime6	35157.75
ontime7	35157.75
ontime8	35157.75
l2events	530424



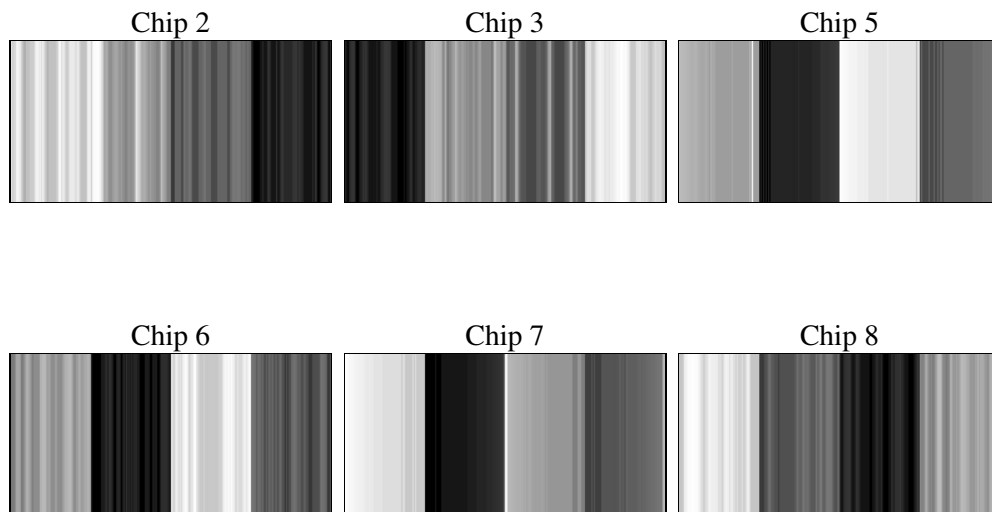
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.11.6
caldsver	3.4.4
date	2008-04-11T21:41:10
revision	3

sched_exp_time	35000.793000
ontime	35157.75
ontime2	35157.75
ontime3	35157.75
ontime5	35157.75
ontime6	35157.75
ontime7	35157.75
ontime8	35157.75
l1events	832033

2.1.4 Events

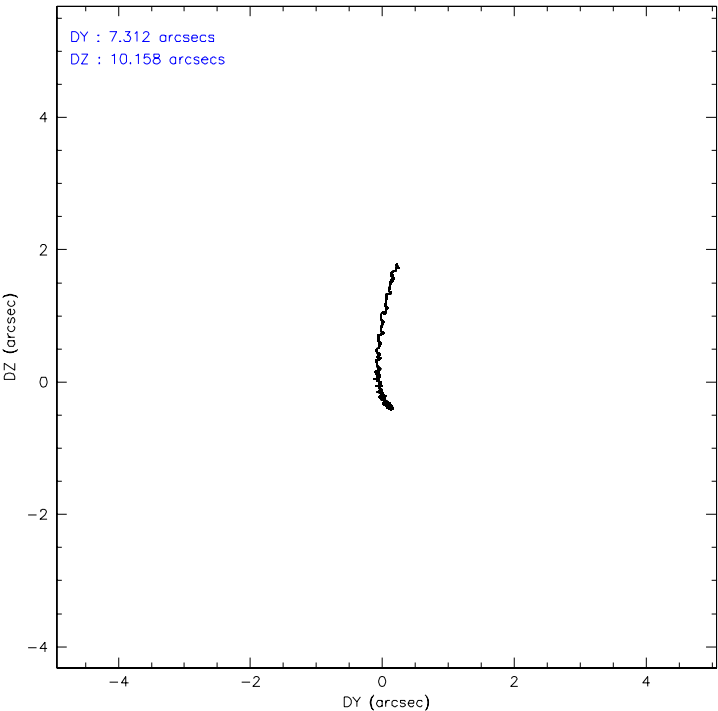
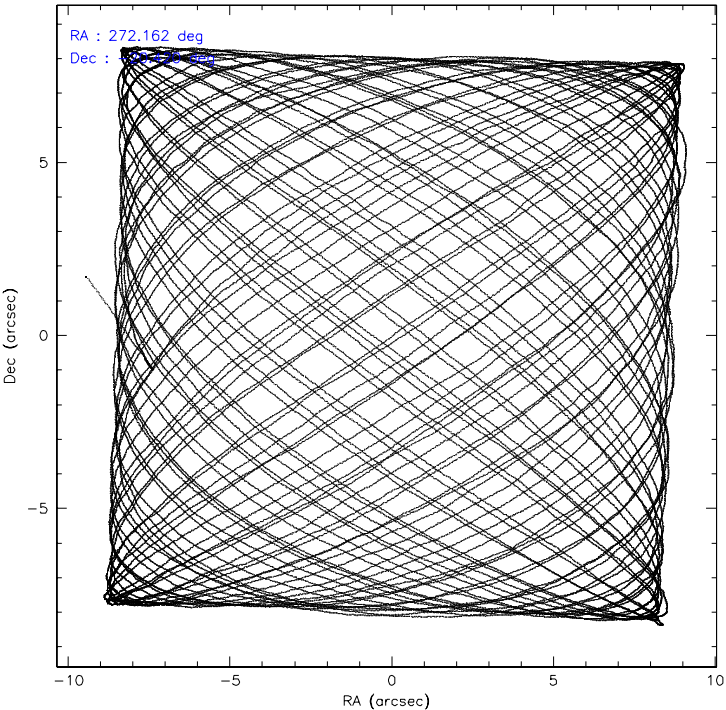
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	58222	62709	310691	62708	221243	116460
rejected events	11607	12944	34600	12636	35608	18585
rejected %	19%	20%	11%	20%	16%	15%

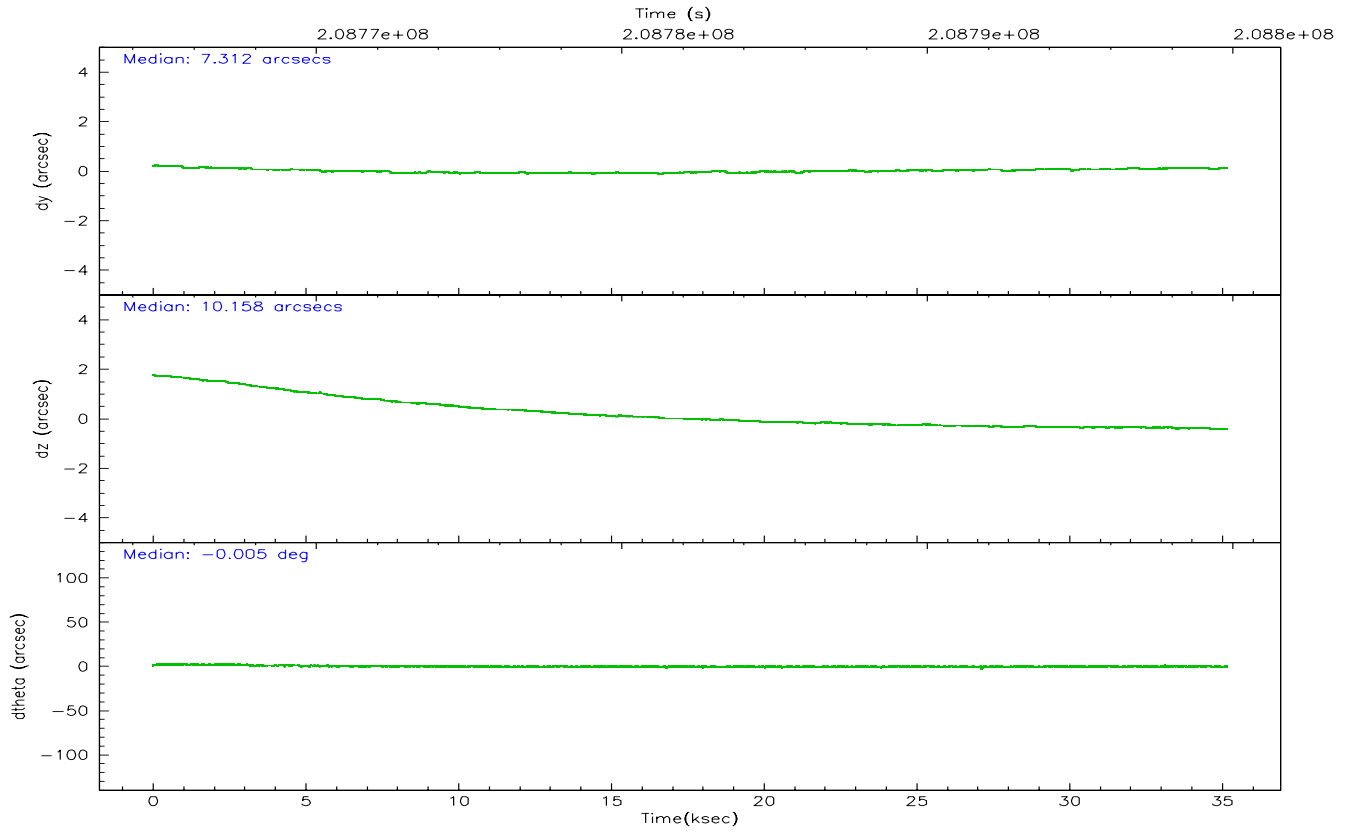
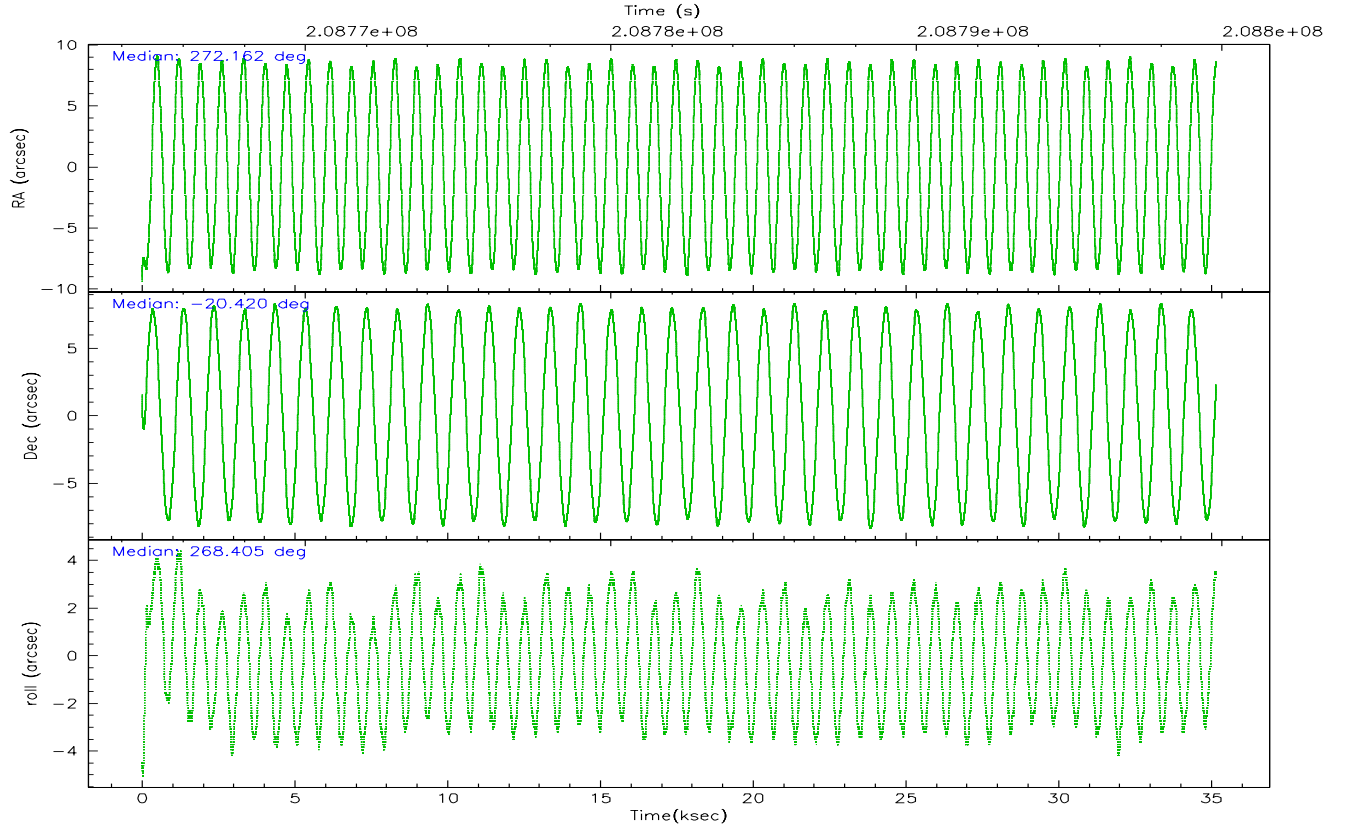
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	7353	7385	85245	6120	21196	19613
	12%	11%	27%	9%	9%	16%
grade 1 events	258	304	435	204	453	443
	0%	0%	0%	0%	0%	0%
grade 2 events	19226	20483	78114	22114	47289	32670
	33%	32%	25%	35%	21%	28%
grade 3 events	5696	6796	5840	5802	15150	11002
	9%	10%	1%	9%	6%	9%
grade 4 events	5861	5925	5506	5532	14638	10826
	10%	9%	1%	8%	6%	9%
grade 5 events	10293	11340	25225	11134	31132	15782
	17%	18%	8%	17%	14%	13%
grade 6 events	9535	10476	110326	11802	91385	26124
	16%	16%	35%	18%	41%	22%
grade 7 events	0	0	0	0	0	0
	0%	0%	0%	0%	0%	0%

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	CC33_FAINT	CC33_FAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	272.147496	272.1616563659576	Alternating exposures requested	N	N
Pointing Dec	-20.396663	-20.42042390804161	Primary exposure time	0.000000	0
Pointing Roll	268.245639	268.4072097046501			
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	208764811.184000	208763726.51742			
Observation start date	2004-08-13T06:12:27	2004-08-13T05:55:26			
Observation end time	208799812.184000	208800038.68153			
Observation end date	2004-08-13T15:55:48	2004-08-13T16:00:38			
Read mode	CONTINUOUS	CONTINUOUS			

2.3 Aspect



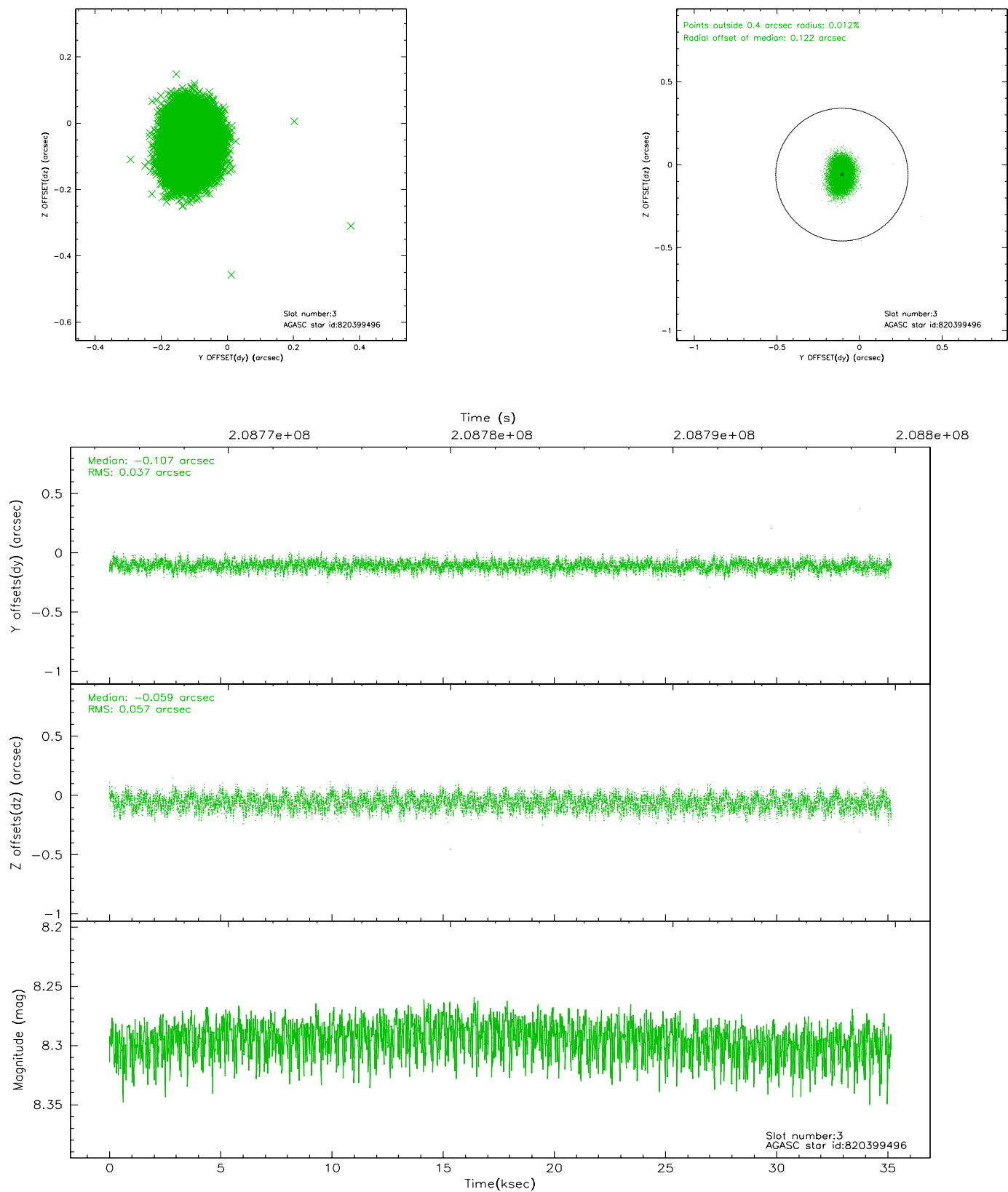


Slot Statistics

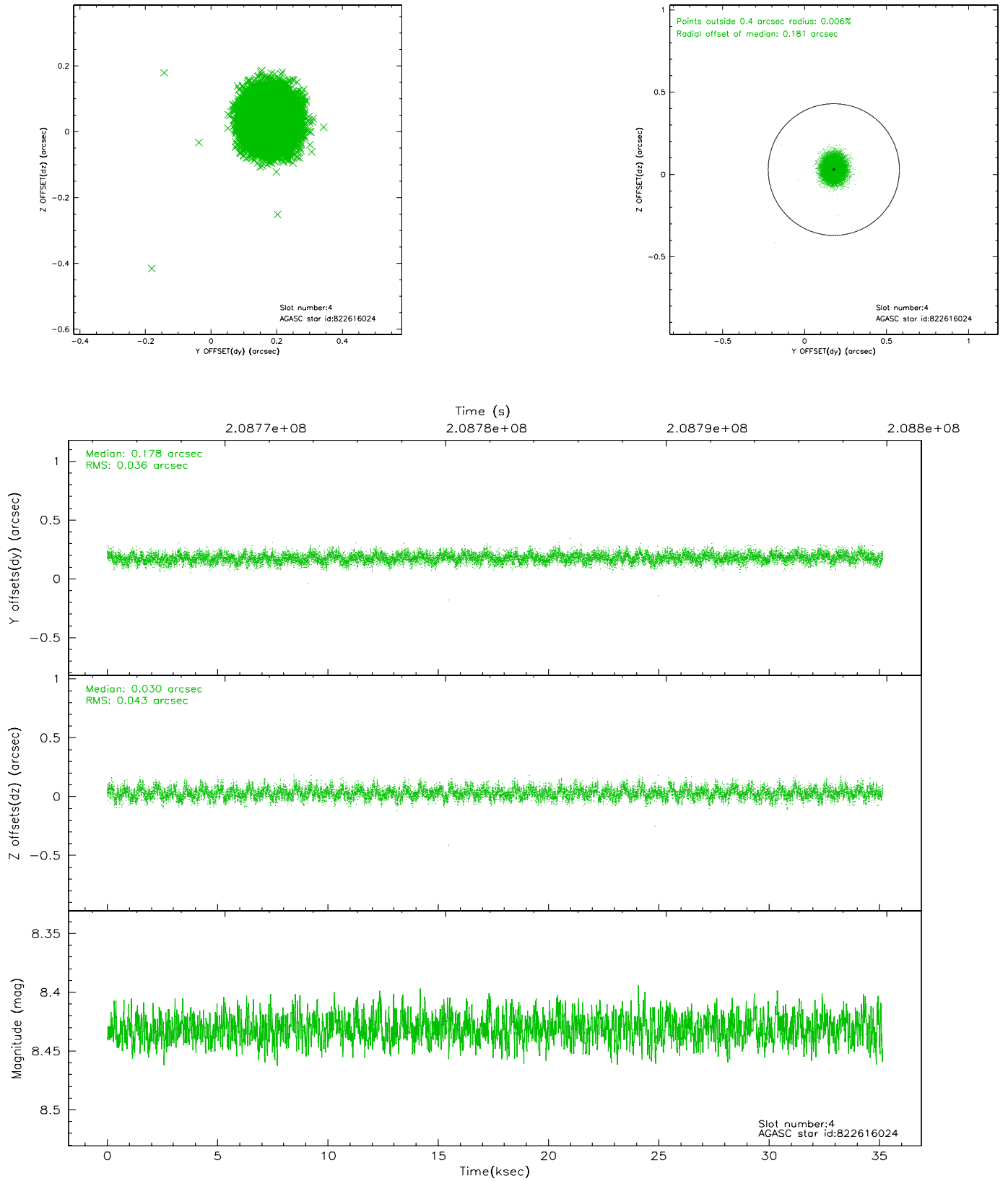
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	8577	-0.036	-0.015	0.009	0.036	0.000000	0.000000	-760.09	-1731.62
1	FID	ACIS-S-4	7.20	8577	0.032	0.018	0.010	0.027	0.000000	0.000000	2153.20	176.89
2	FID	ACIS-S-6	7.35	8577	-0.025	0.005	0.010	0.019	0.000000	0.000000	401.91	814.29
3	GUIDE	820399496	8.30	17150	-0.107	-0.059	0.073	0.116	271.495152	-19.953854	-1521.28	-2255.11
4	GUIDE	822616024	8.43	17152	0.178	0.030	0.060	0.096	272.218514	-20.919122	1873.15	296.60
5	GUIDE	822617304	8.97	17150	0.139	0.111	0.079	0.124	272.421826	-20.831304	1536.96	970.89
6	GUIDE	822102416	7.48	17154	-0.168	-0.159	0.056	0.090	272.173216	-20.087156	-1116.20	52.82
7	GUIDE	822102232	8.80	17144	-0.042	0.078	0.066	0.107	272.350923	-20.034935	-1322.14	648.05

2.4 Star Slots

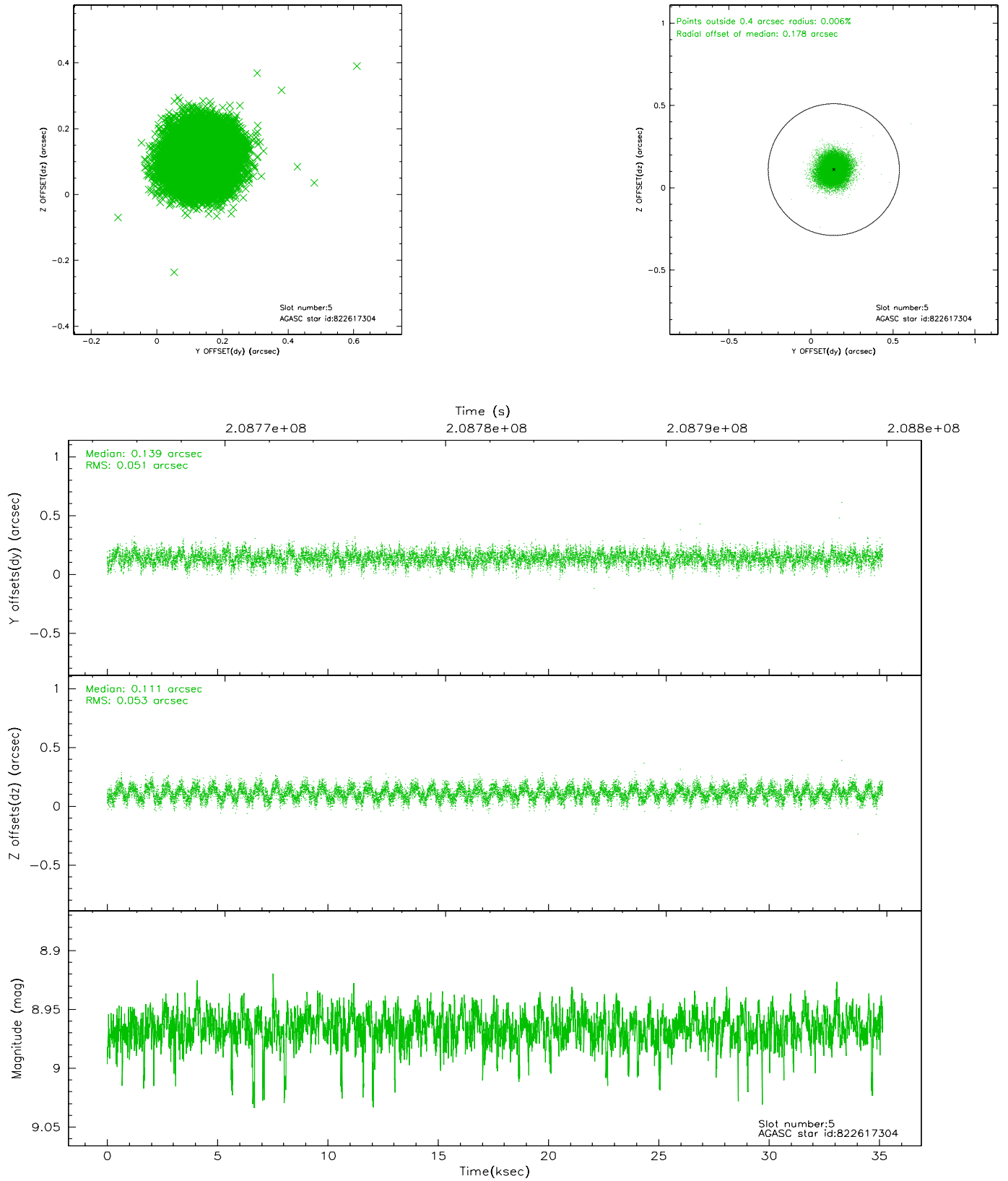
2.4.1 Slot 3



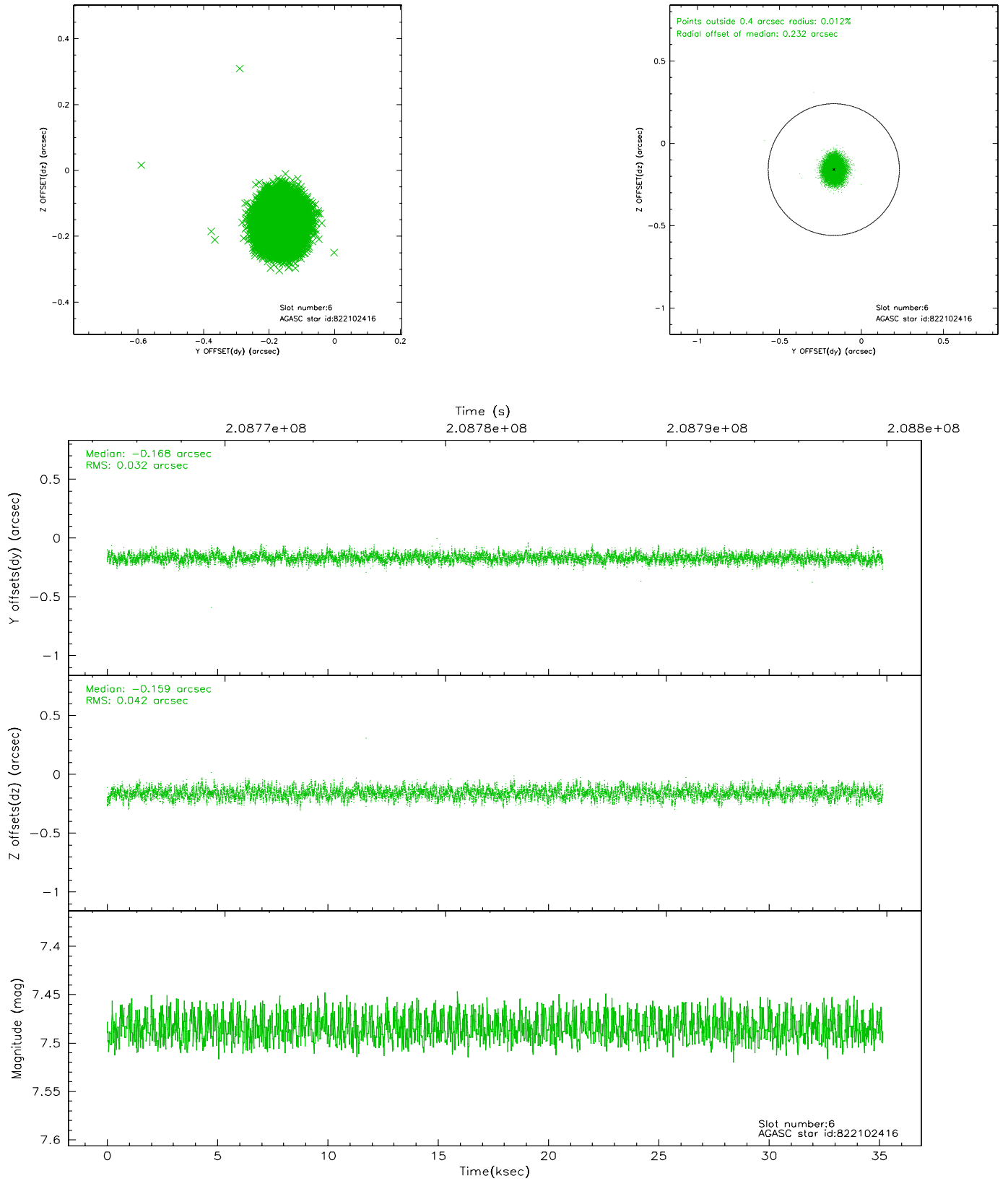
2.4.2 Slot 4



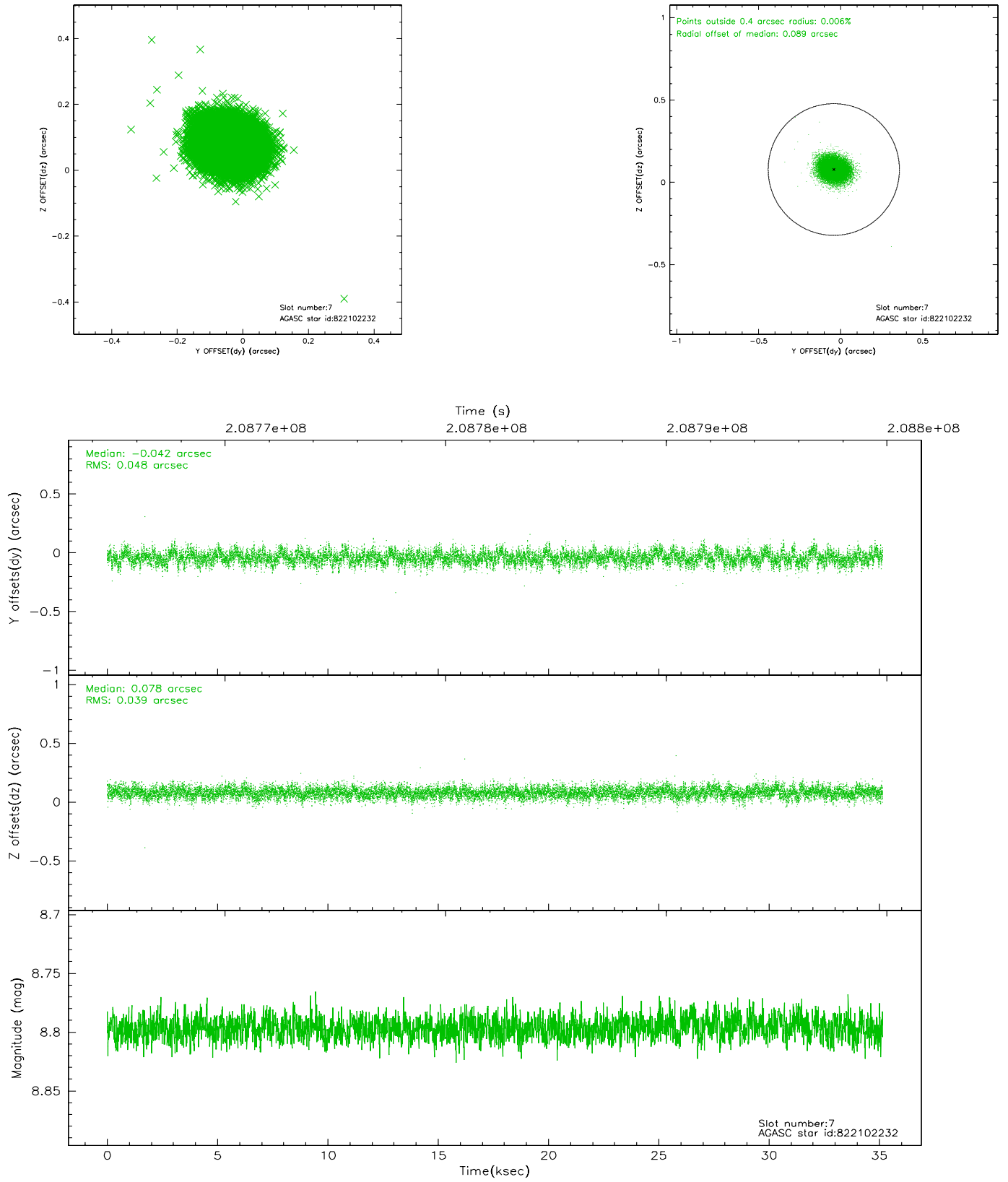
2.4.3 Slot 5



2.4.4 Slot 6

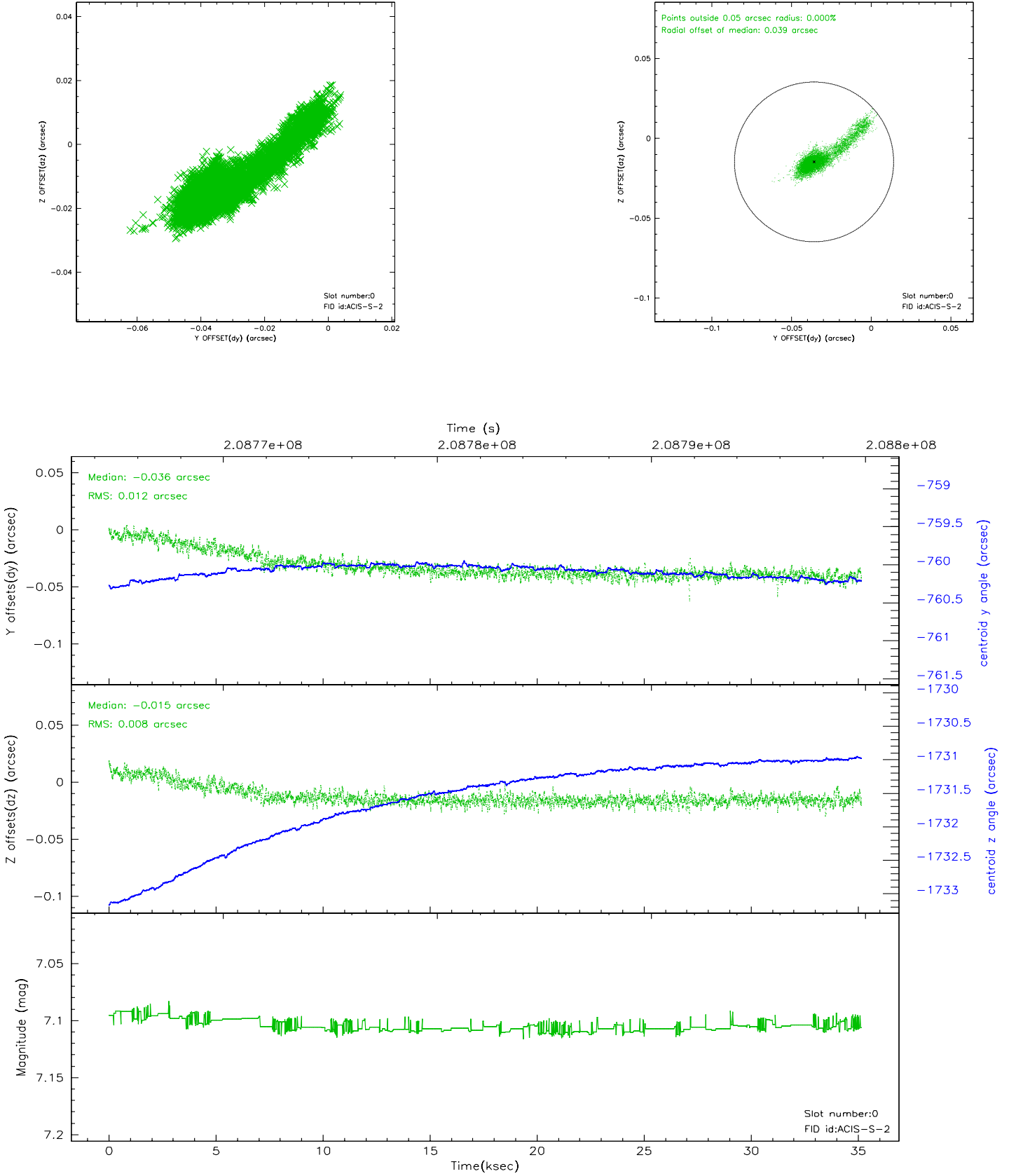


2.4.5 Slot 7

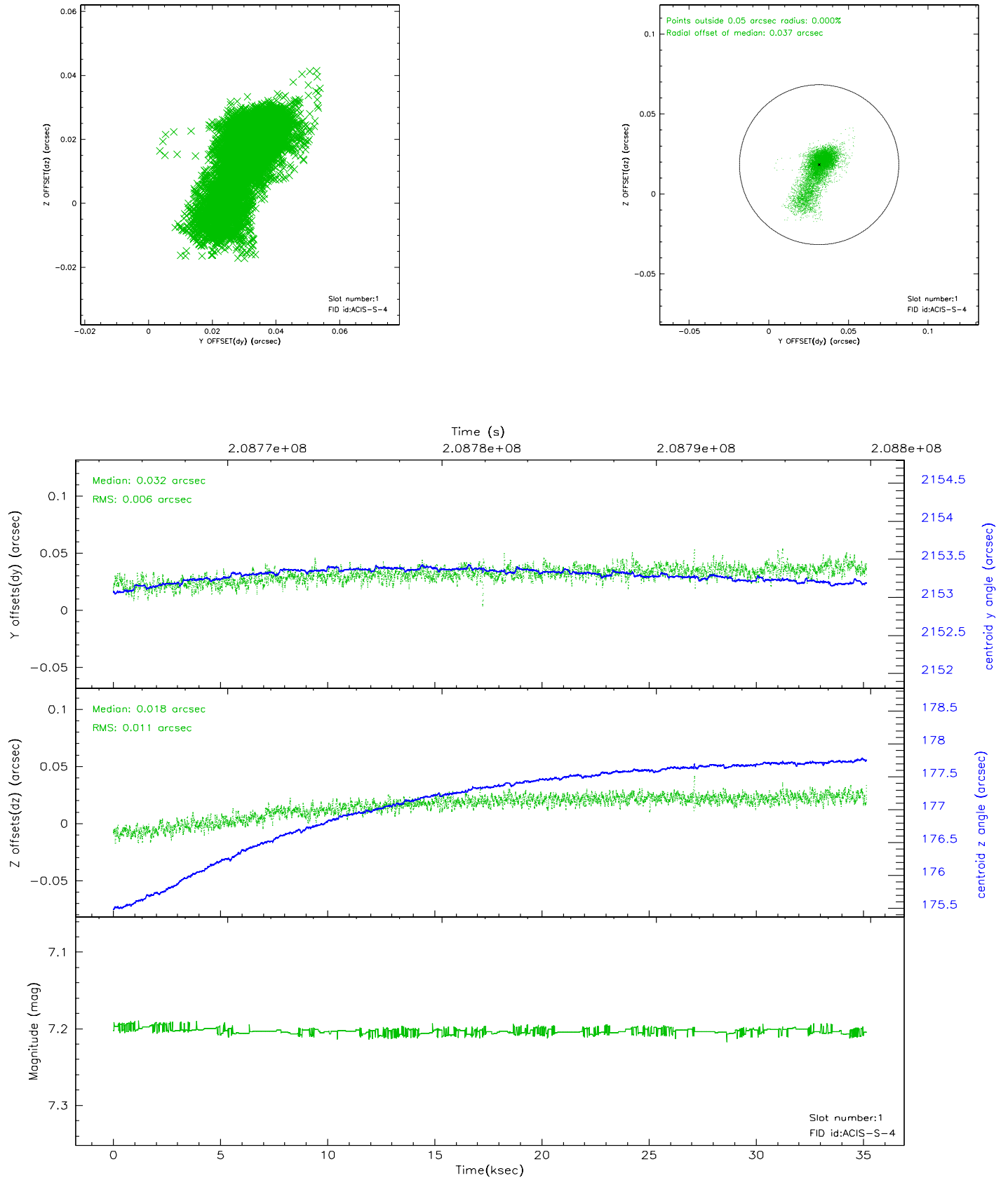


2.5 FID Slots

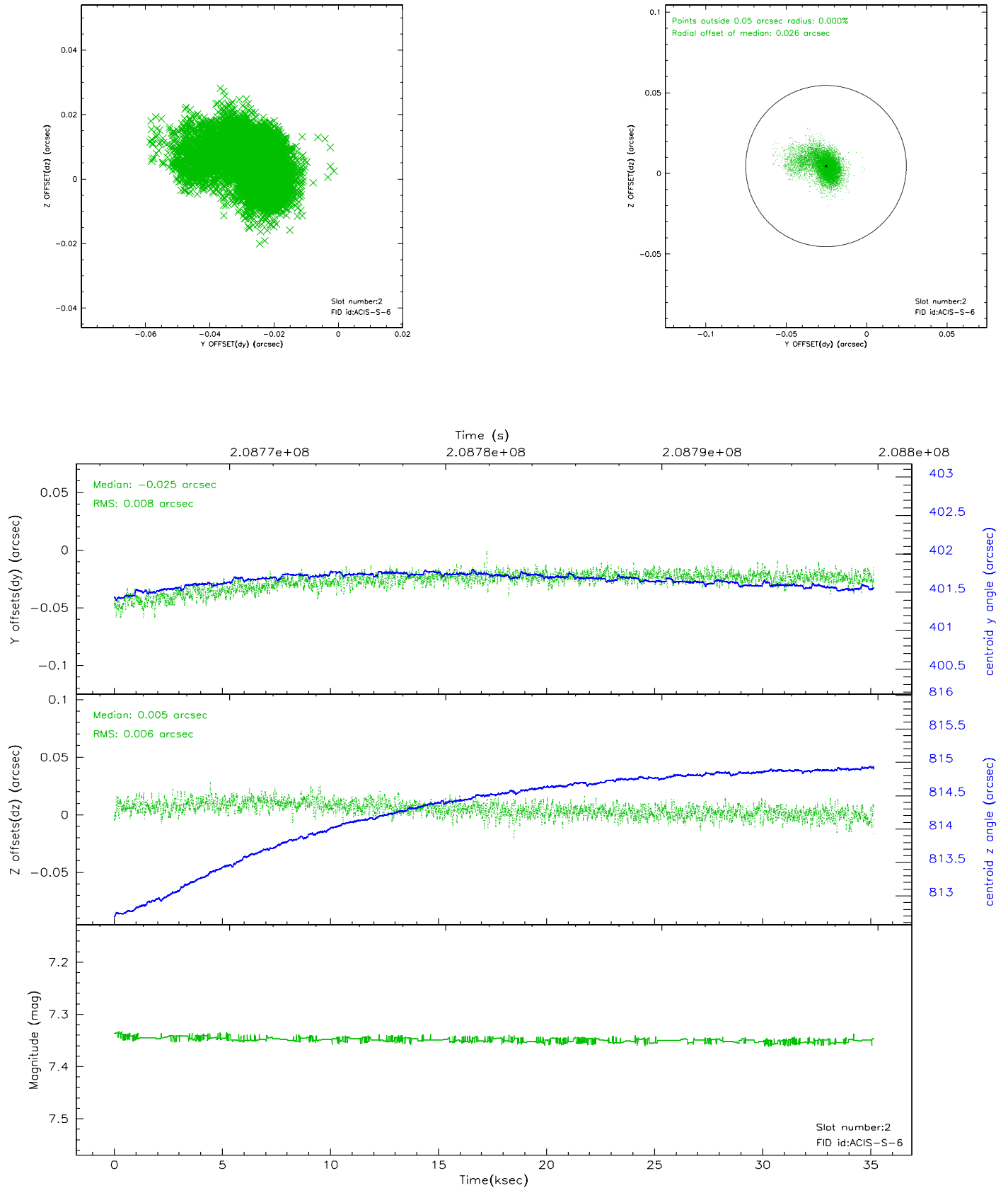
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2008.04.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	35.161

A.2 Comments