

V&V Reference Report

L2 ASCDS Version : 7.6.8

Observation 3770 - L2 Version 001
Chandra X-Ray Center

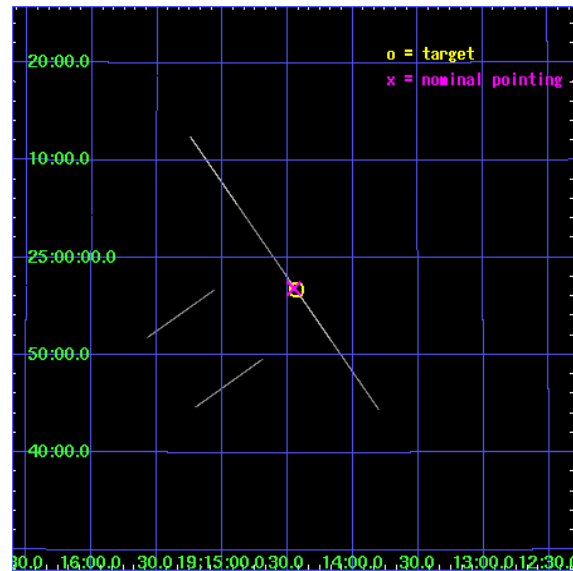
L2 Processing Date : Jul 27 2006

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1 Front

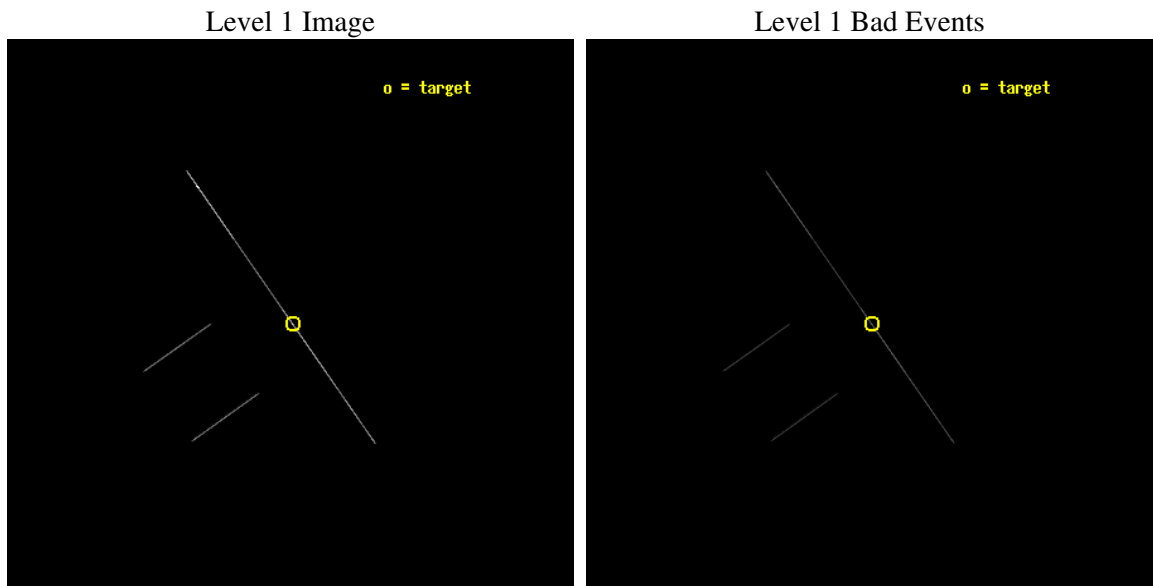
seq_num	300095
obs_id	3770
title	TIMING THE ORBIT OF RX J1914.4+2456: GRAVITATIONAL RADIATION AND THE NATURE OF THE X-RAY EMISSION
observer	Dr. Tod Strohmayer
object	RX J1914.4+2456
ra_targ	288.60875
dec_targ	24.945444
ra_nom	288.61279643633
dec_nom	24.947745231701
roll_nom	54.924151895624
revision	2
ontime	35473.0
livetime	35334.43359375
ontime2	35473.0
ontime3	35473.0
ontime5	35473.0
ontime6	35473.0
ontime7	35473.0
ontime8	35473.0
l2events	398982



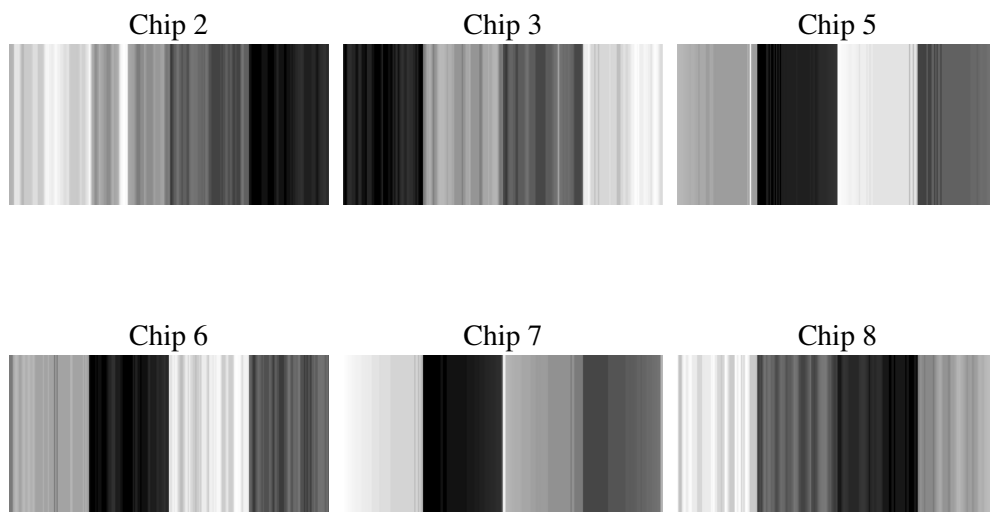
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.8
caldbver	3.2.2
date	2006-07-27T20:13:43
revision	2

sched_exp_time	35000.000000
ontime	36063.704749376
ontime2	36063.717486709
ontime3	36063.630455405
ontime5	36063.705575913
ontime6	36063.705156773
ontime7	36063.704749376
ontime8	36063.704331577
l1events	636908

2.1.4 Events

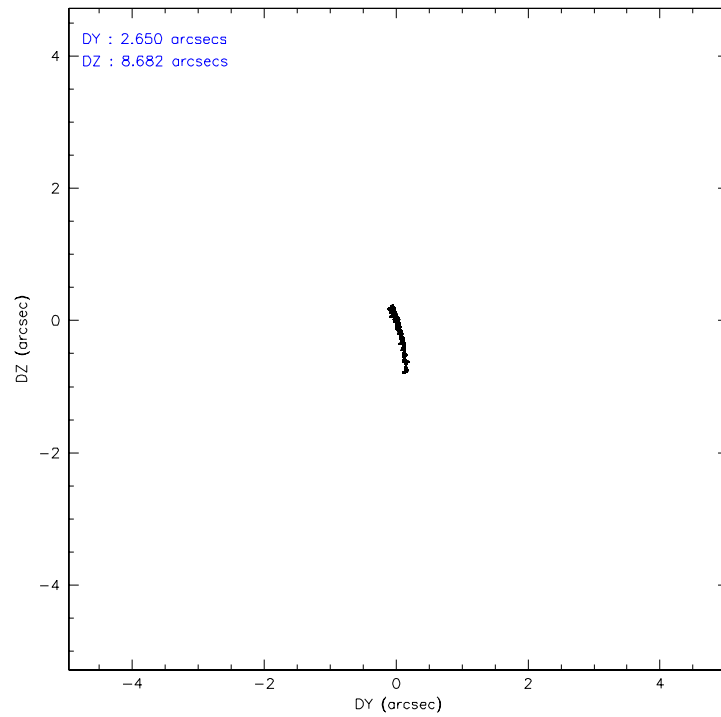
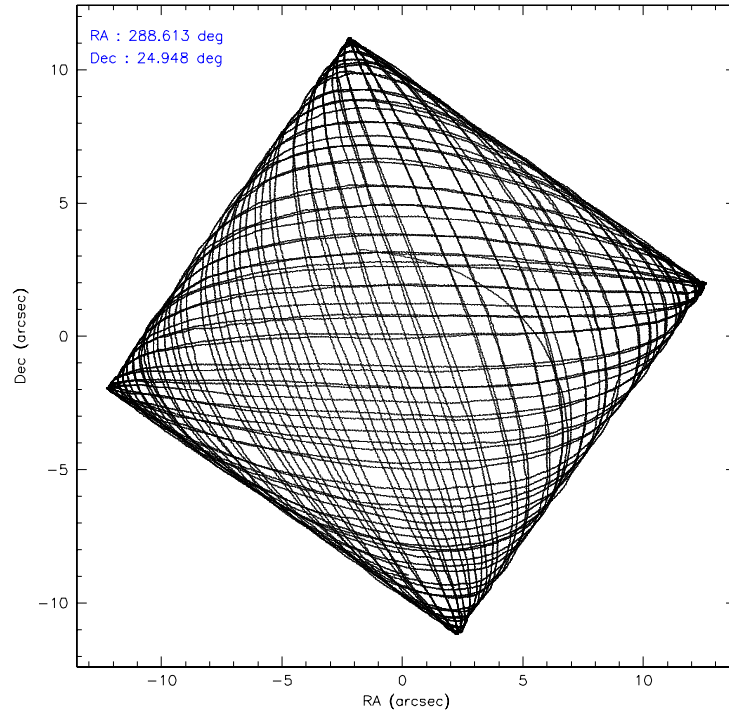
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	44220	47765	259644	47173	148660	89446
rejected events	8551	9392	21391	9560	22453	14342
rejected %	19%	19%	8%	20%	15%	16%

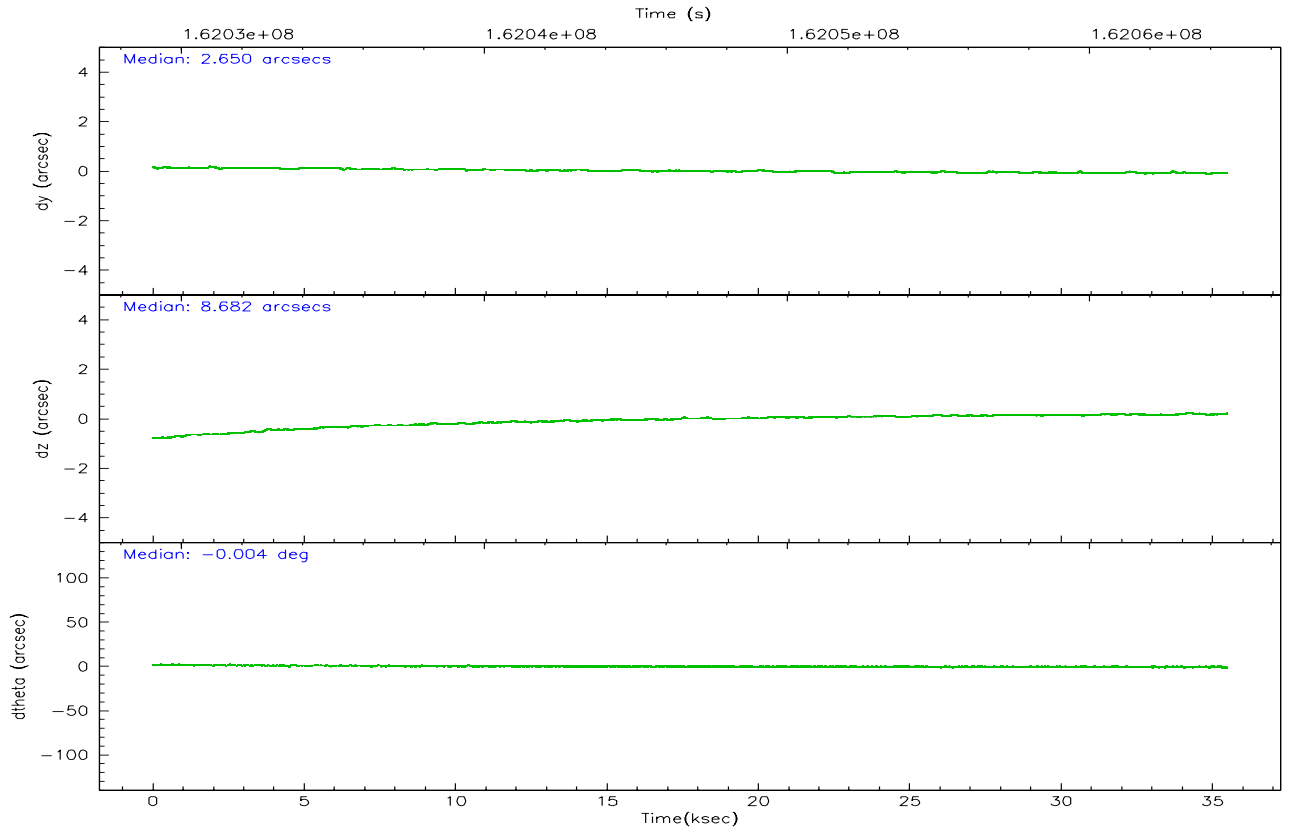
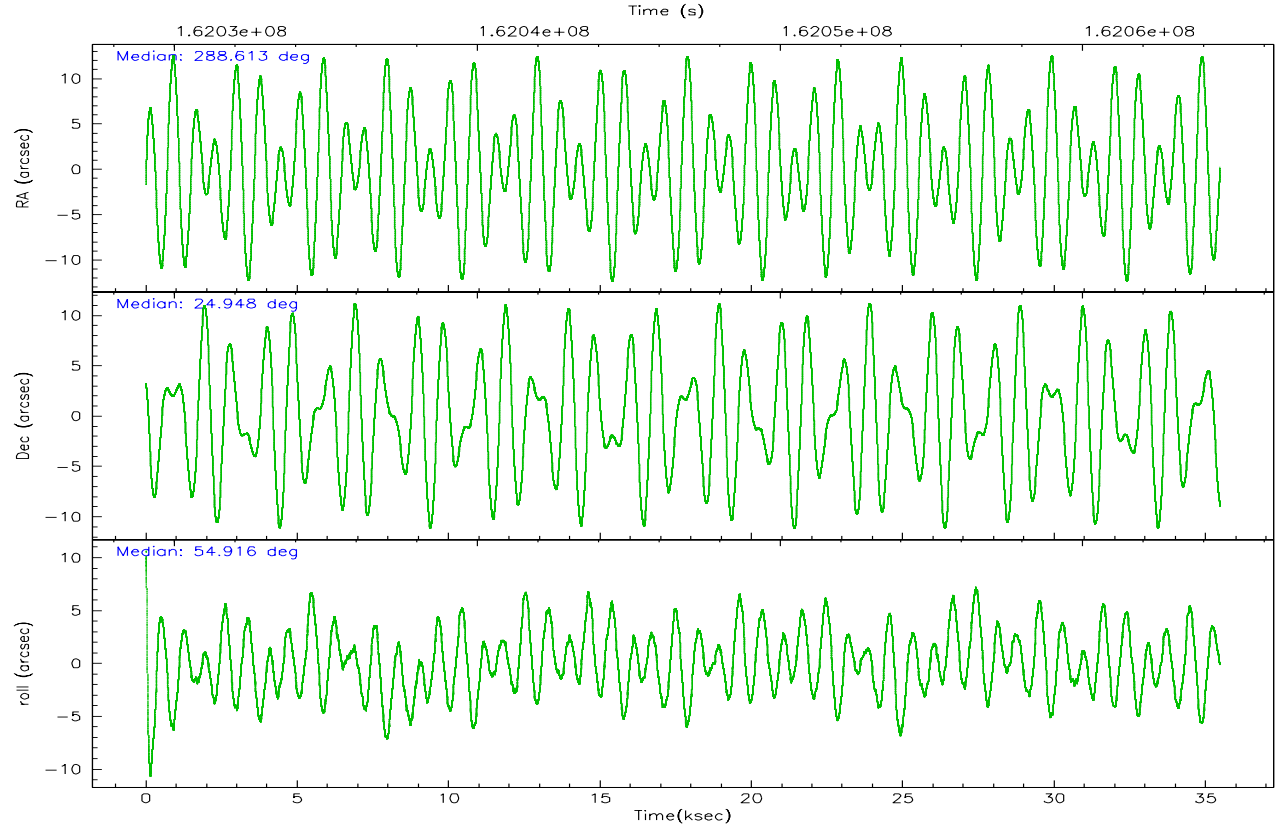
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	5423	5280	81192	4776	10124	14313
	12%	11%	31%	10%	6%	16%
grade 1 events	169	169	238	133	243	323
	0%	0%	0%	0%	0%	0%
grade 2 events	13125	14649	60788	14221	33123	24188
	29%	30%	23%	30%	22%	27%
grade 3 events	5121	5880	3680	5164	5910	8802
	11%	12%	1%	10%	3%	9%
grade 4 events	5253	5168	3401	4925	5749	8681
	11%	10%	1%	10%	3%	9%
grade 5 events	7789	8595	17501	8782	20245	12545
	17%	17%	6%	18%	13%	14%
grade 6 events	7340	8024	92844	9172	73266	20594
	16%	16%	35%	19%	49%	23%
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	288.610564	288.612796436328	Alternating exposures requested	N	N
Pointing Dec	24.920617	24.94774523170097	Primary exposure time	0.000000	0
Pointing Roll	54.768461	54.92415189562428			
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	162029541.184000	162028431.29591			
Observation start date	2003-02-19T08:11:17	2003-02-19T07:53:51			
Observation end time	162064541.184000	162065002.27244			
Observation end date	2003-02-19T17:54:37	2003-02-19T18:03:22			
Read mode	CONTINUOUS	CONTINUOUS			

2.3 Aspect



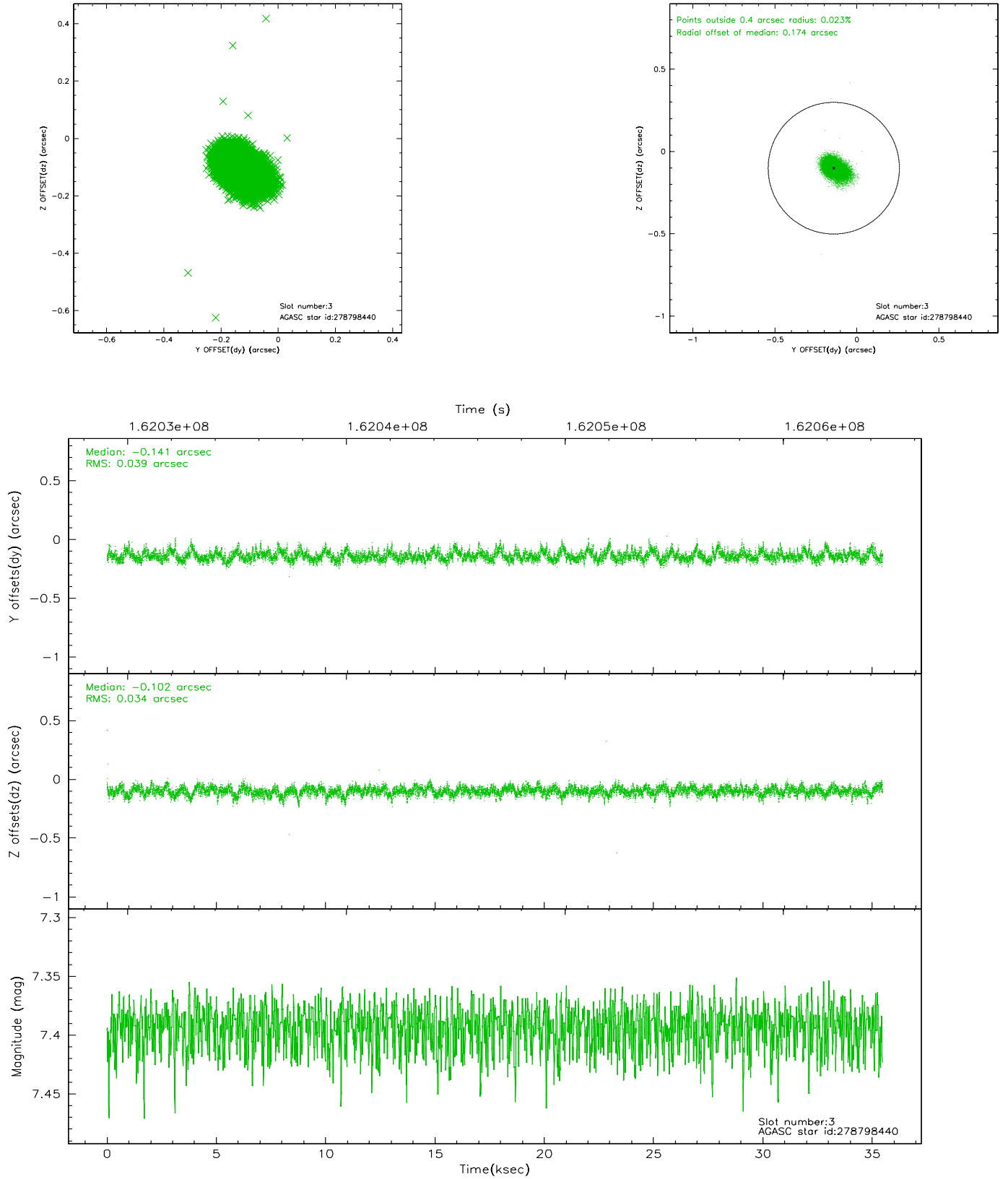


Slot Statistics

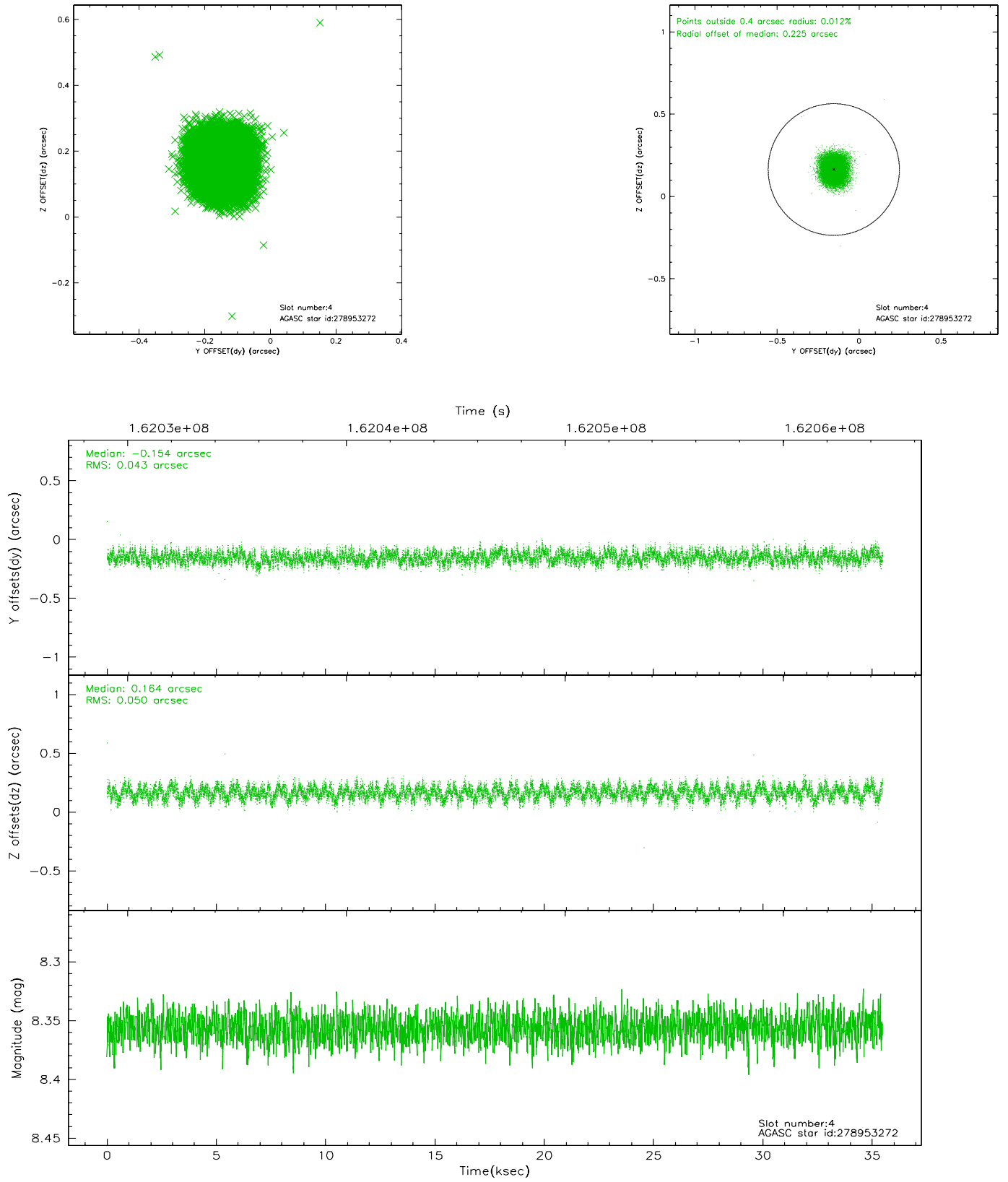
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	8652	-0.011	0.013	0.008	0.014	0.000000	0.000000	-755.31	-1729.80
1	FID	ACIS-S-4	7.20	8653	-0.056	0.001	0.006	0.010	0.000000	0.000000	2157.90	178.64
2	FID	ACIS-S-5	7.23	8652	0.035	-0.006	0.008	0.013	0.000000	0.000000	-1808.06	172.34
3	GUIDE	278798440	7.39	17301	-0.141	-0.102	0.053	0.092	288.472447	25.758823	2206.55	2107.20
4	GUIDE	278953272	8.36	17301	-0.154	0.164	0.071	0.111	289.216166	24.729034	583.06	-2012.28
5	GUIDE	278266312	9.54	17293	0.134	0.030	0.092	0.149	288.641308	24.187100	-2098.08	-1606.05
6	GUIDE	278795448	8.96	17299	0.144	-0.203	0.101	0.163	287.699473	24.798355	-2069.12	2183.46
7	GUIDE	278806384	9.43	17295	0.027	0.113	0.095	0.158	288.649975	24.433815	-1356.65	-1116.24

2.4 Star Slots

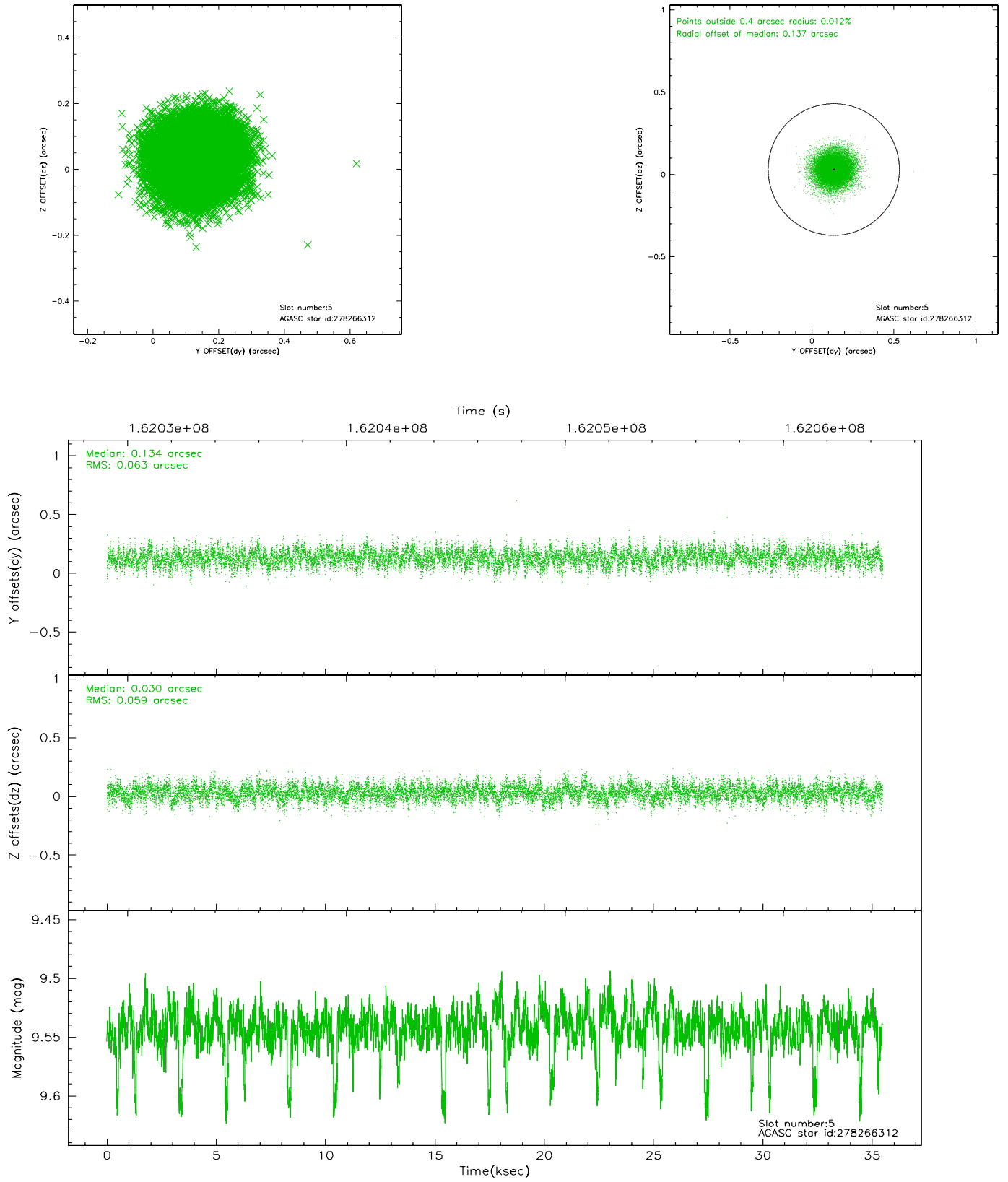
2.4.1 Slot 3



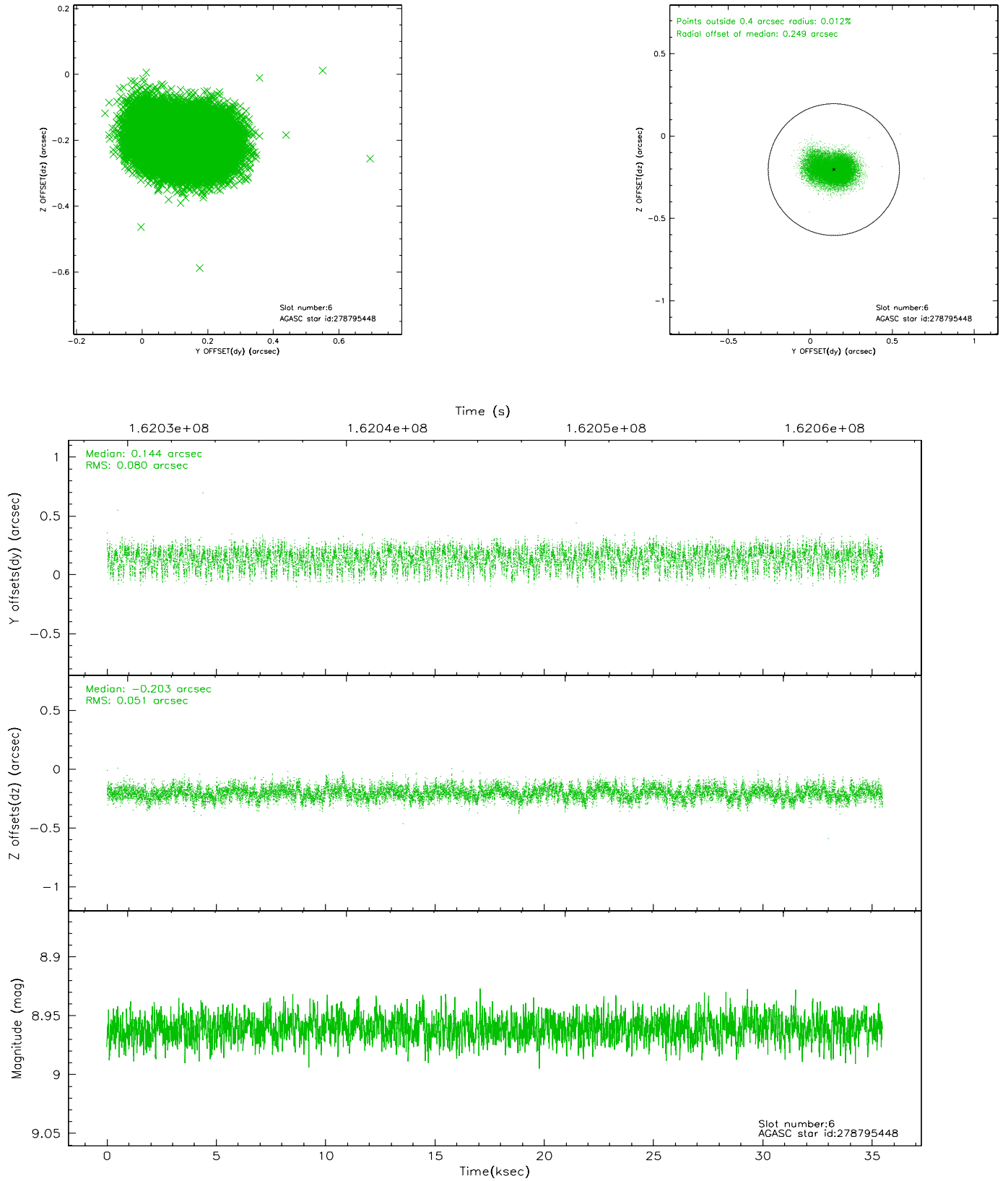
2.4.2 Slot 4



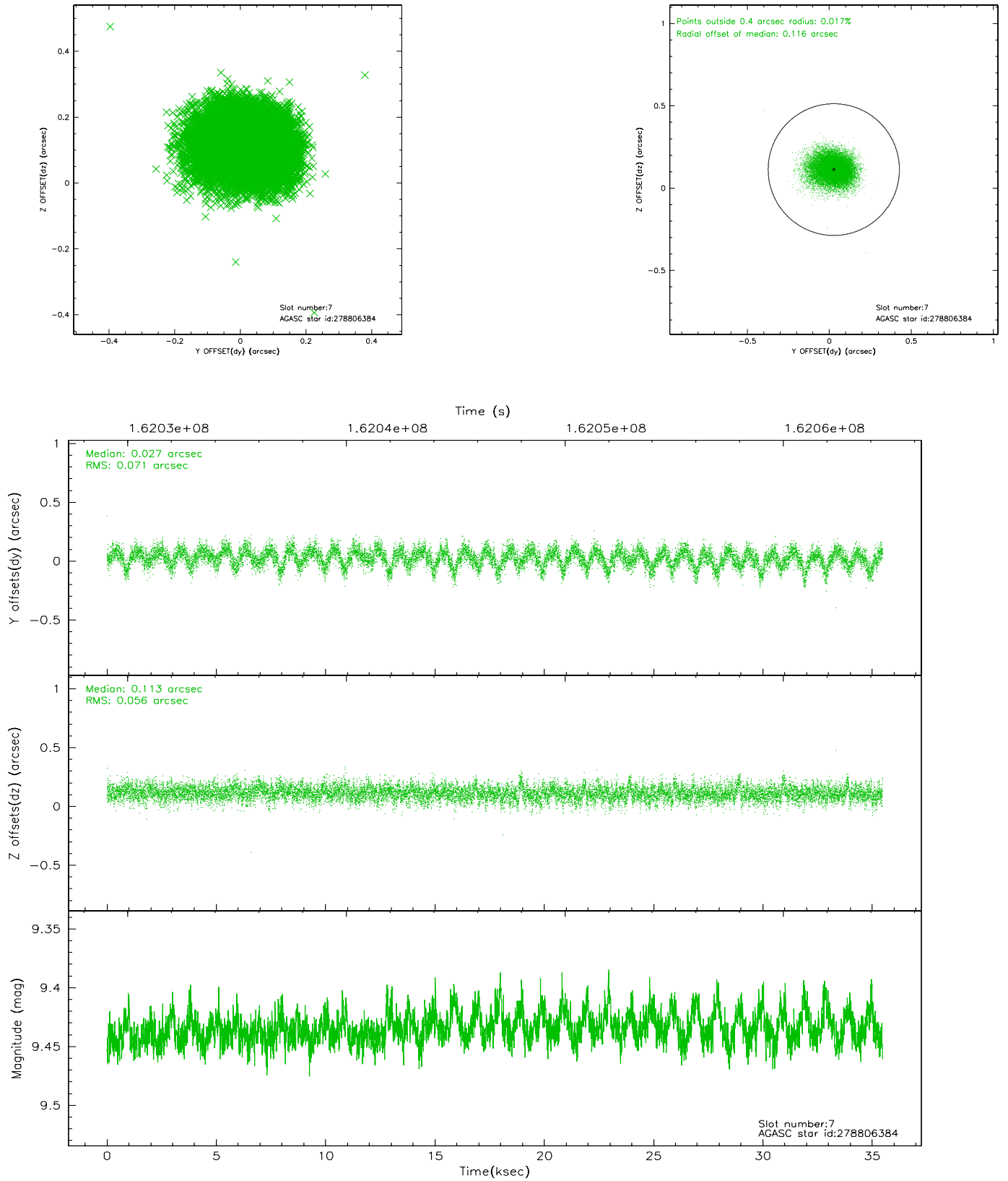
2.4.3 Slot 5



2.4.4 Slot 6

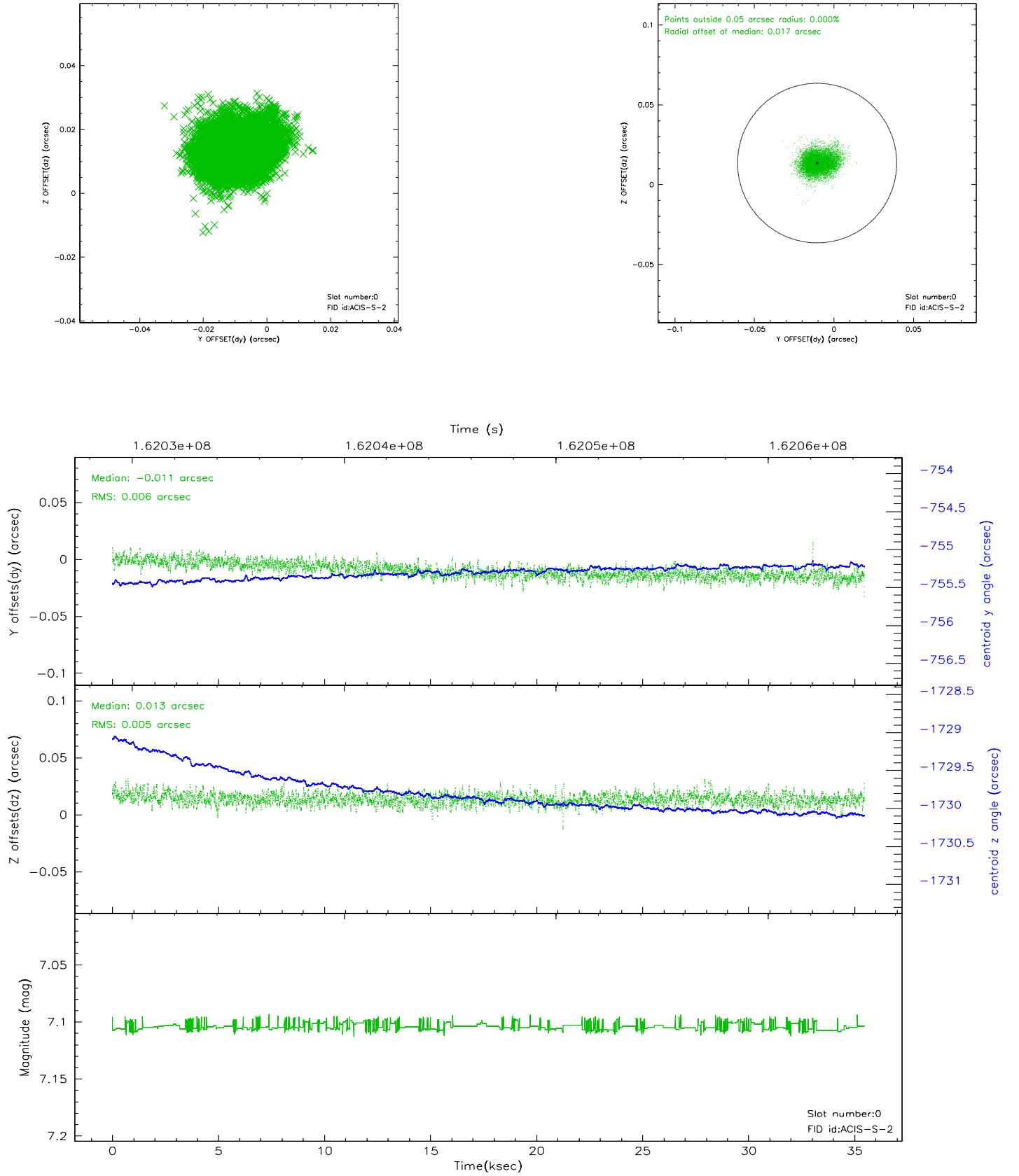


2.4.5 Slot 7

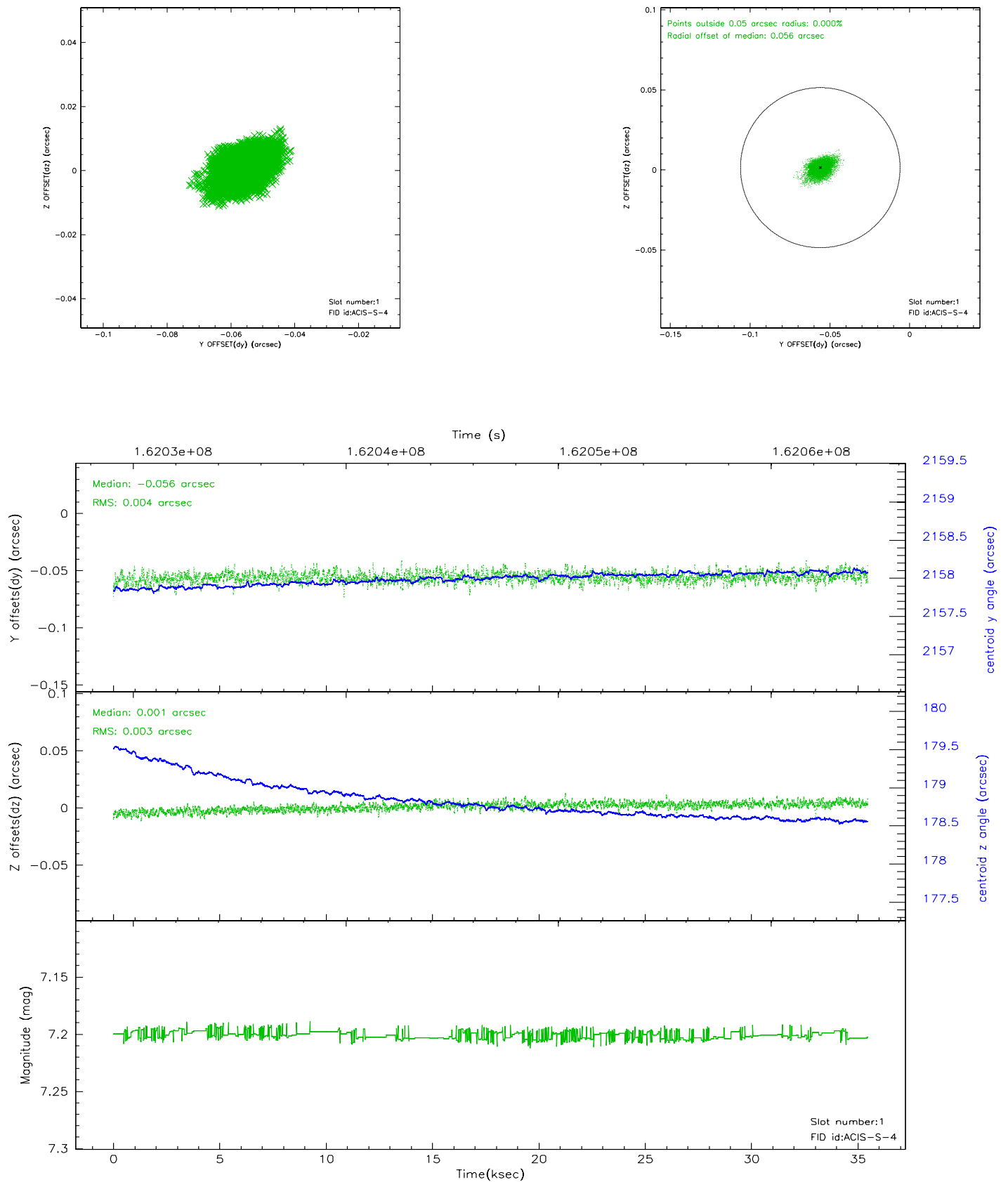


2.5 FID Slots

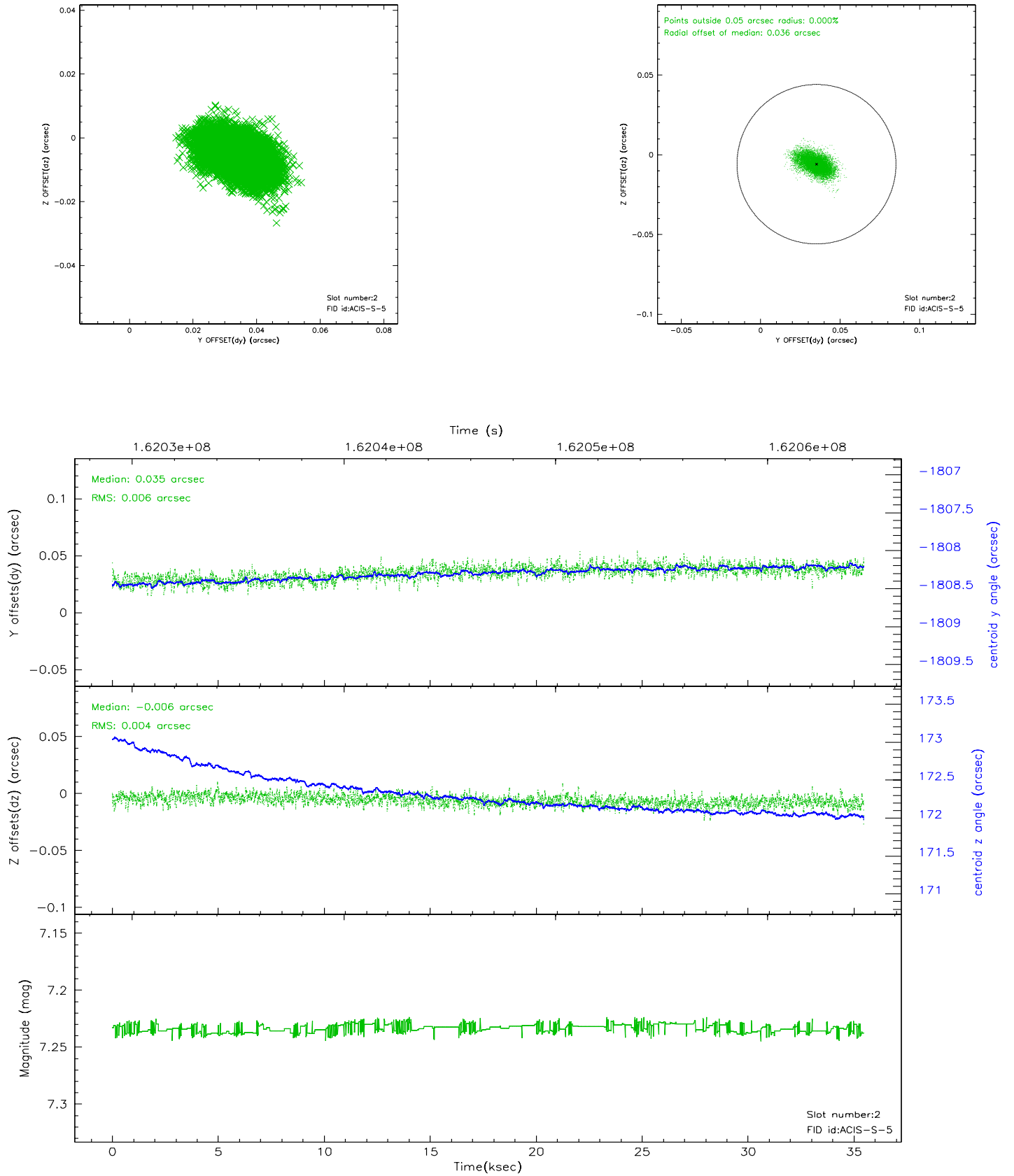
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2006.07.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	35.476

A.2 Comments