

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 3585 - L2 Version 001
Chandra X-Ray Center

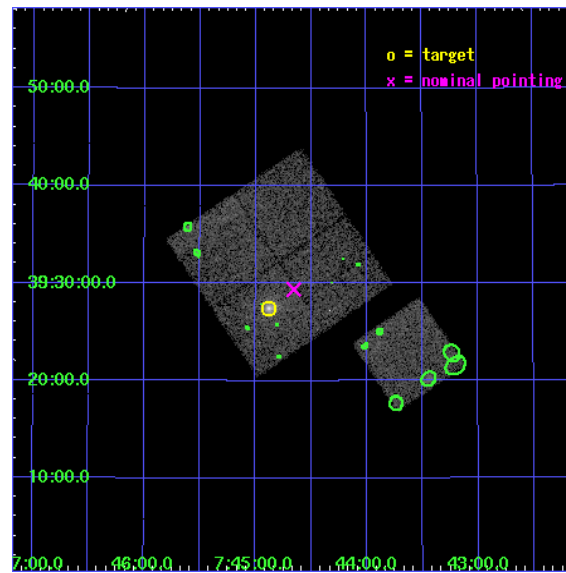
L2 Processing Date : Oct 18 2006

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1 Front

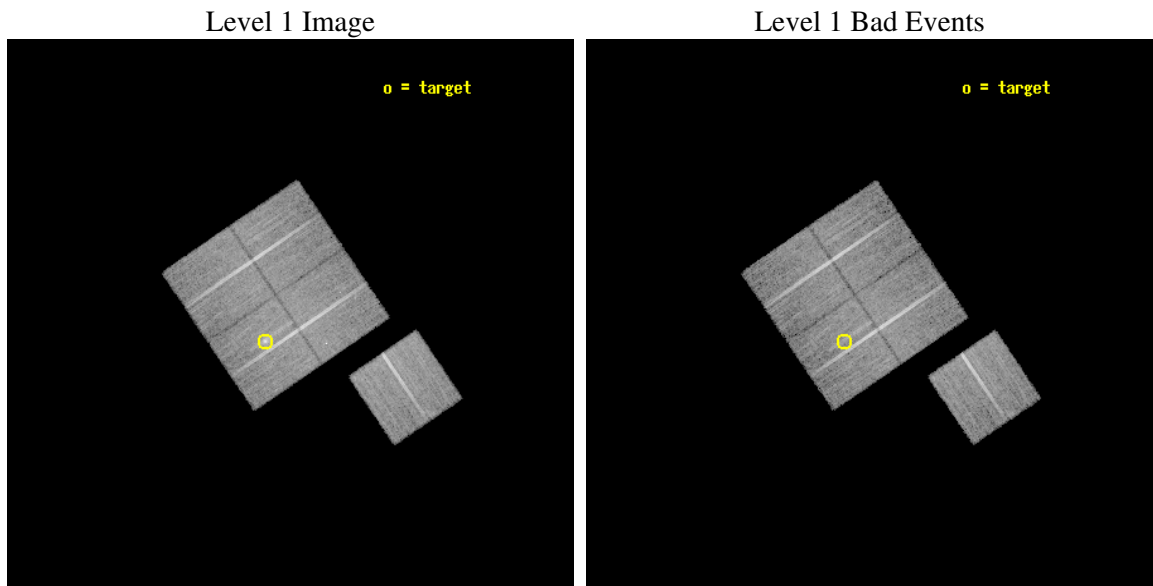
seq_num	800306
obs_id	3585
title	X-RAY/SZ DETERMINATION OF COSMOLOGICAL PARAMETERS
observer	DR. LEON VANSPEYBROECK
object	MACS-J0744.8+3927
dtcycle	0
cycle	P
ra_targ	116.220417
dec_targ	39.4575
ra_nom	116.16371694109
dec_nom	39.489663337439
roll_nom	145.81981399852
revision	2
ontime	20118.958981097
livetime	19856.089970647
ontime0	20122.099961311
ontime1	20122.099961311
ontime2	20118.958961159
ontime3	20118.958981097
ontime6	20122.099961311
l2events	49067



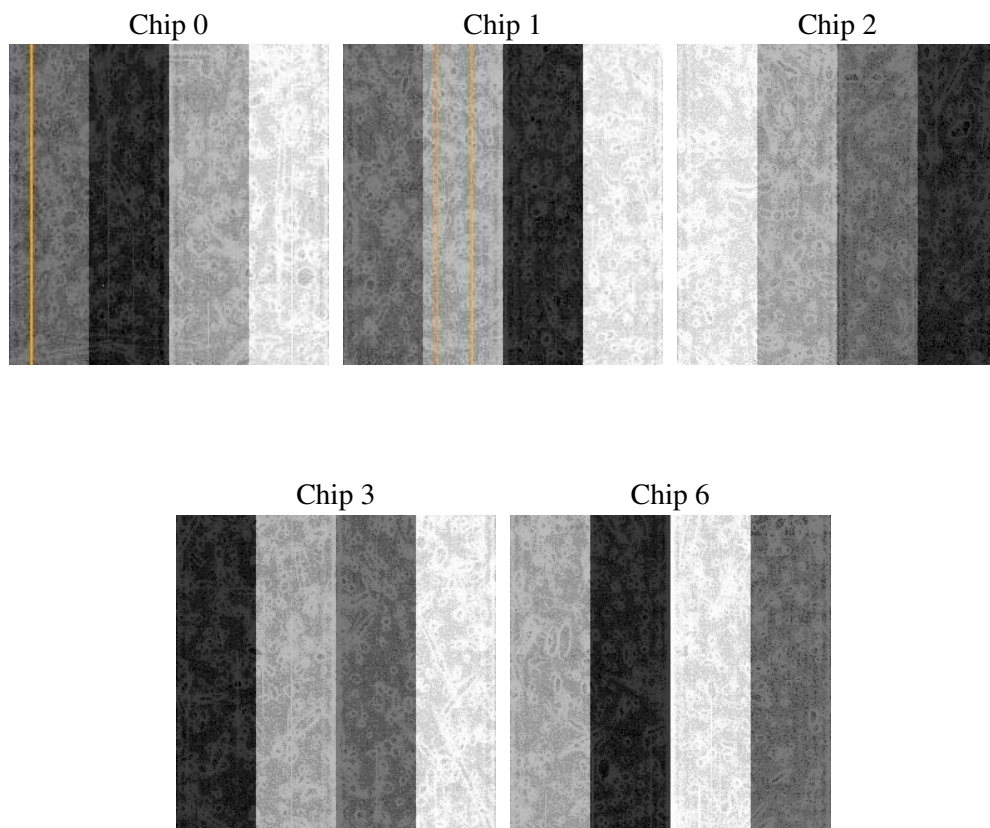
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1
ascdsver	7.6.9
caldbver	3.2.3
date	2006-10-18T17:16:50
revision	2

sched_exp_time	20000.000000
ontime	20124.446751326
ontime0	20127.58773154
ontime1	20127.587751478
ontime2	20124.446731389
ontime3	20124.446751326
ontime6	20127.58773154
l1events	525071

2.1.4 Events

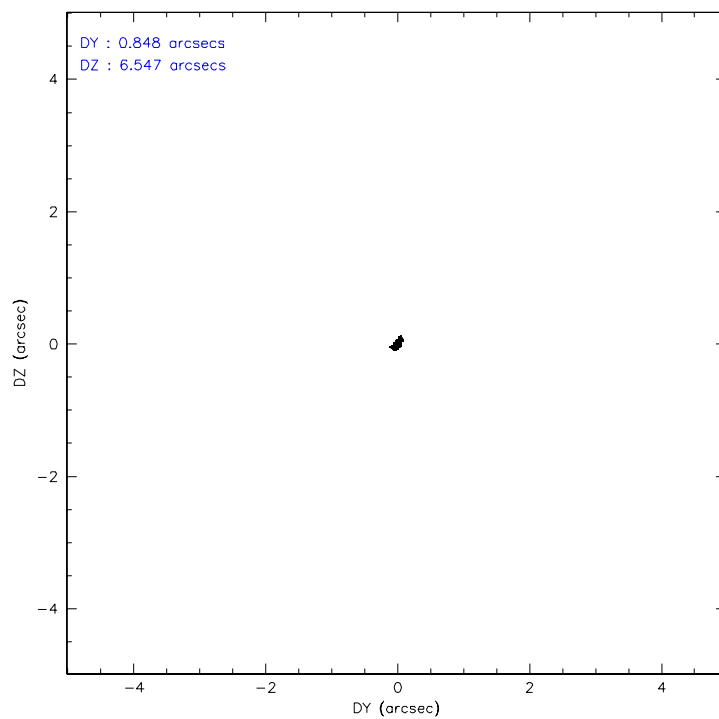
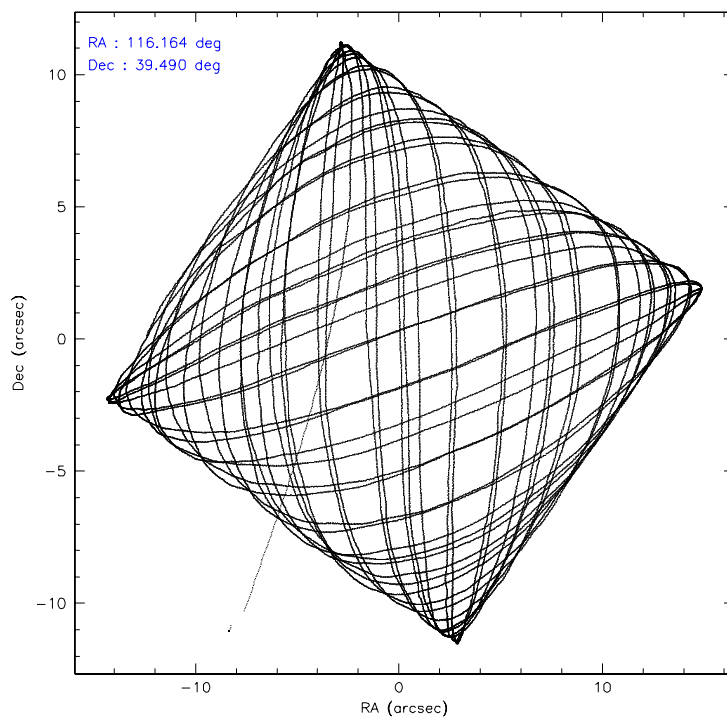
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	98000	100080	108270	108372	110349
rejected events	87525	88270	97465	94935	98605
rejected %	89%	88%	90%	87%	89%

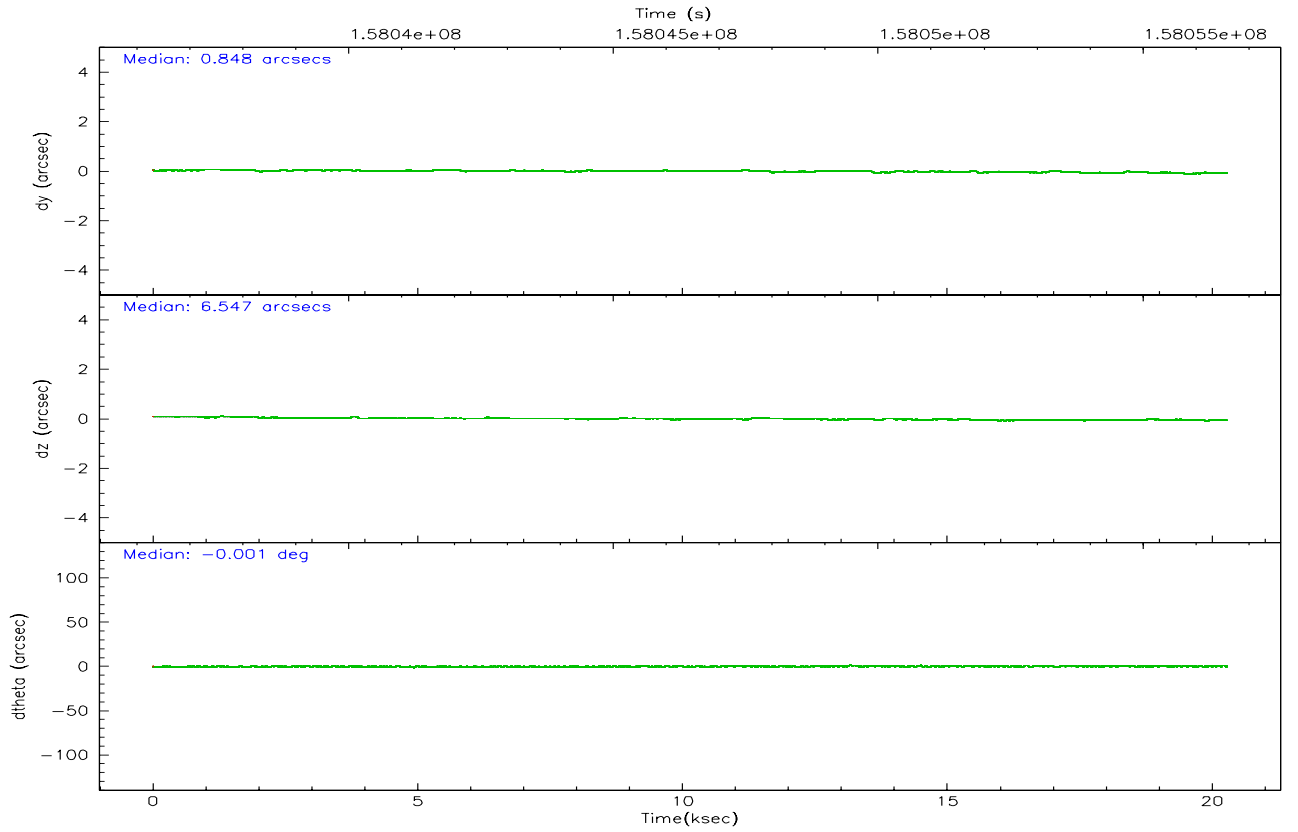
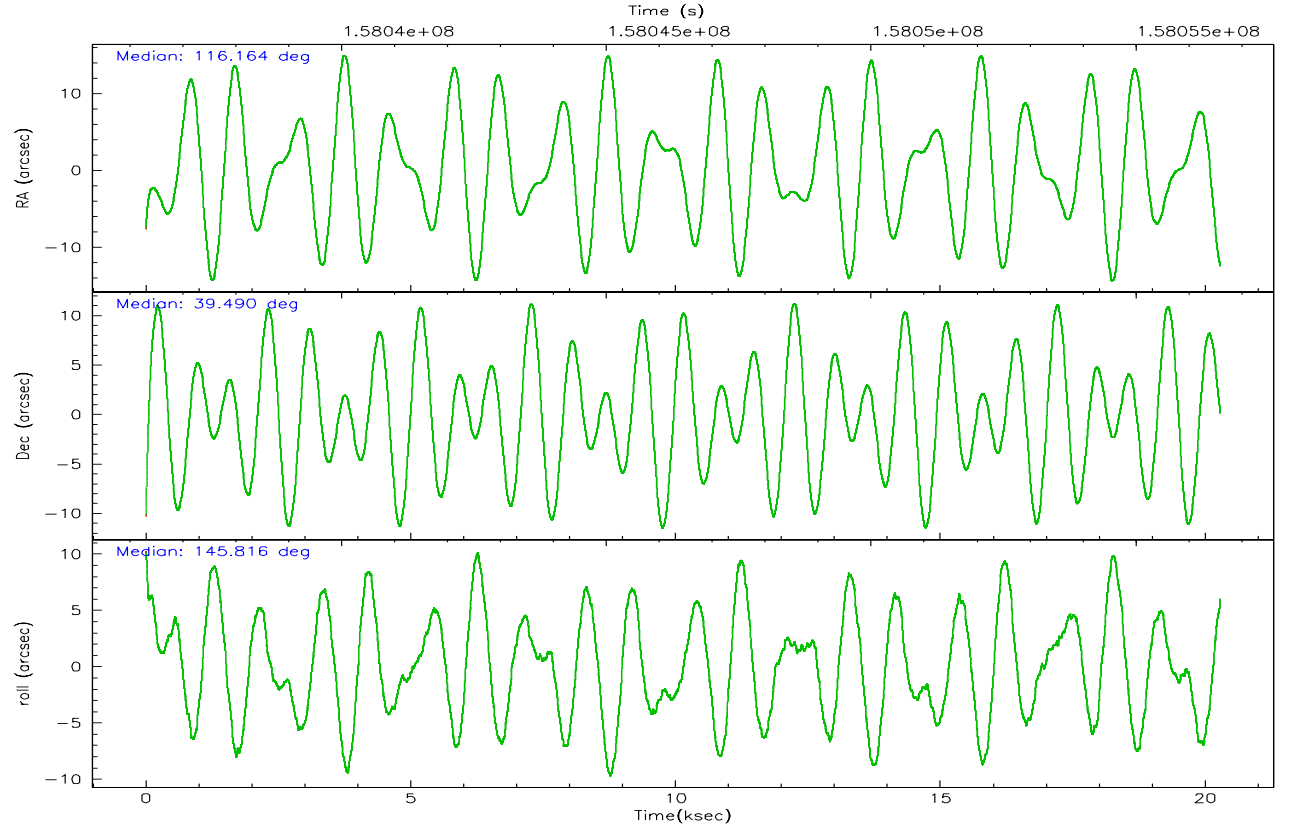
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	3635	4430	4273	6539	4632
	3%	4%	3%	6%	4%
grade 1 events	43	55	64	81	43
	0%	0%	0%	0%	0%
grade 2 events	2440	2478	2397	2442	2273
	2%	2%	2%	2%	2%
grade 3 events	1260	1311	1179	1262	1277
	1%	1%	1%	1%	1%
grade 4 events	1137	1266	1144	1247	1200
	1%	1%	1%	1%	1%
grade 5 events	3557	3830	3433	4021	3961
	3%	3%	3%	3%	3%
grade 6 events	2006	2330	1815	1951	2362
	2%	2%	1%	1%	2%
grade 7 events	83922	84380	93965	90829	94601
	85%	84%	86%	83%	85%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-01236	ACIS-01236	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	116.199120	116.1637169410945	Subarray requested	NONE	NONE
Pointing Dec	39.487755	39.48966333743927	Alternating exposures requested	N	N
Pointing Roll	145.588612	145.8198139985199	Primary exposure time	0.000000	3.1
SIM focus pos (mm)	-0.782348	-0.7809083437167272			
SIM defocus (mm)	0	0.001439871863259334			
SIM translation stage pos (mm)	-225.840463	-225.8433433320239			
SIM translation stage offset (mm)	-7.752	-7.749109670905796			
Observation start time	158036588.184000	158035583.09103			
Observation start date	2003-01-04T03:02:04	2003-01-04T02:46:23			
Observation end time	158056588.184000	158057395.60445			
Observation end date	2003-01-04T08:35:24	2003-01-04T08:49:55			
Read mode	TIMED	TIMED			

2.3 Aspect



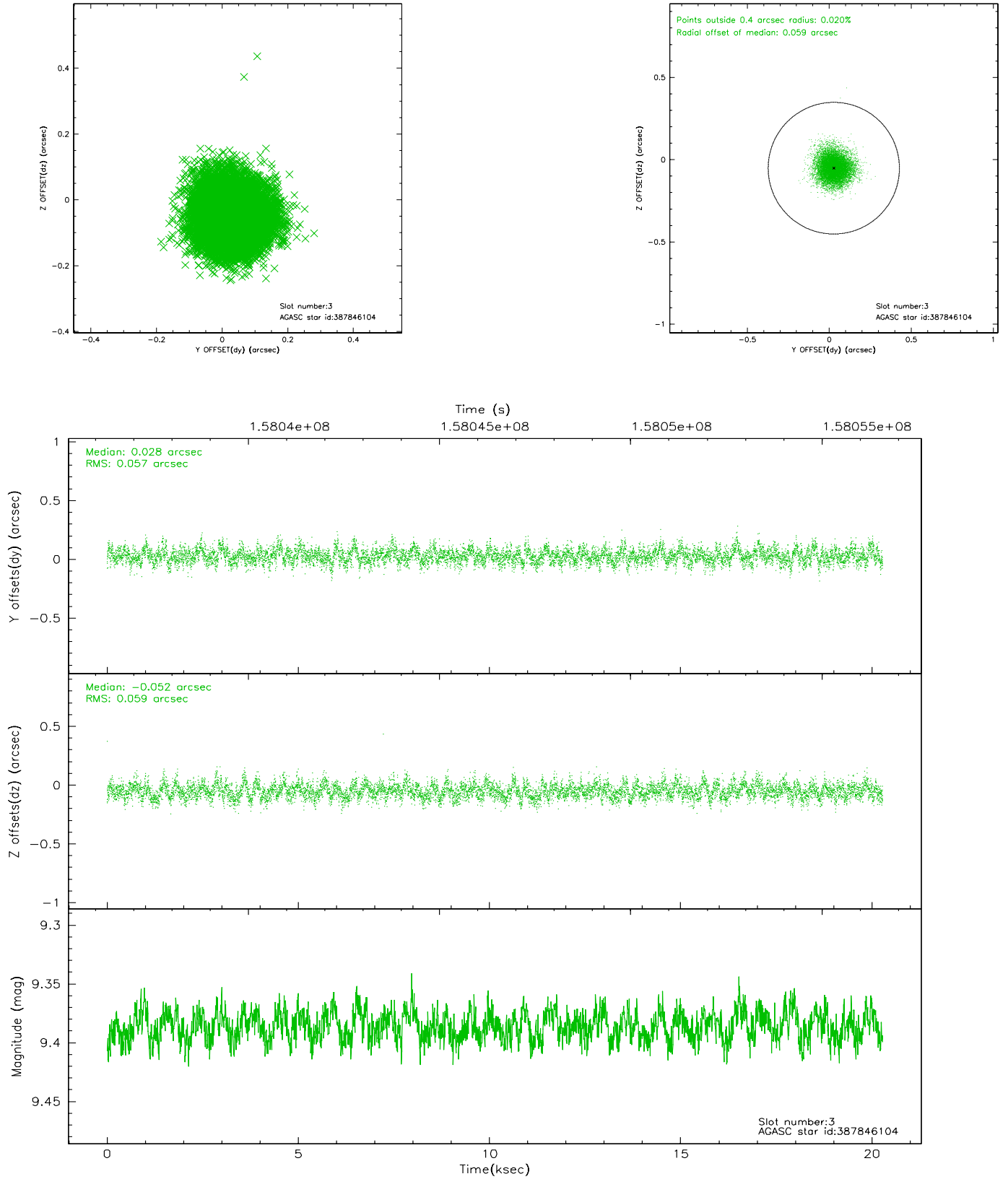


Slot Statistics

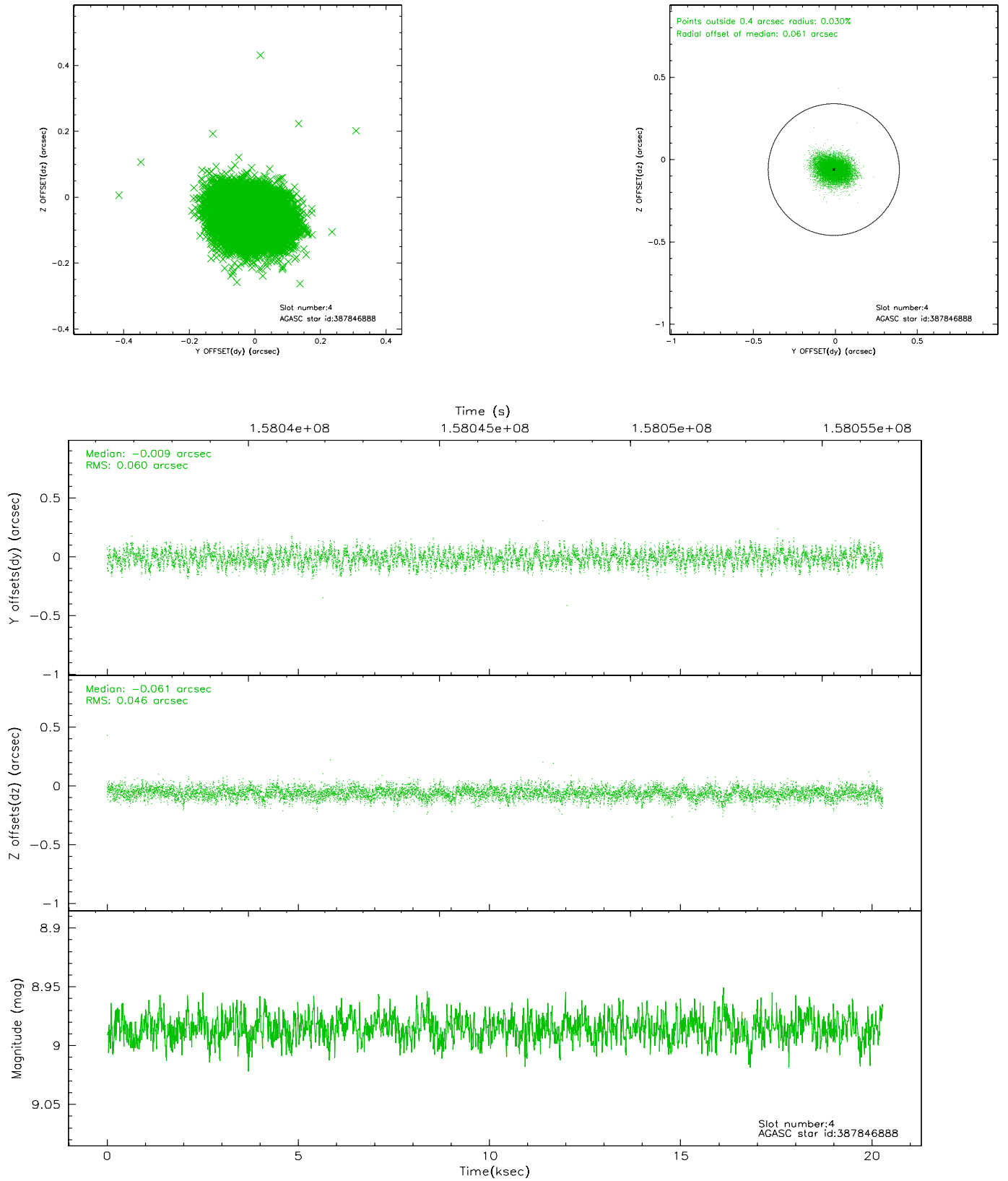
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.23	4947	0.083	-0.040	0.006	0.011	0.000000	0.000000	938.93	-989.07
1	FID	ACIS-I-5	7.22	4947	-0.182	0.095	0.007	0.012	0.000000	0.000000	-1809.31	908.49
2	FID	ACIS-I-6	7.27	4947	0.009	0.015	0.007	0.012	0.000000	0.000000	404.25	1553.08
3	GUIDE	387846104	9.39	9891	0.028	-0.052	0.087	0.140	115.792368	39.298643	551.52	1200.16
4	GUIDE	387846888	8.99	9891	-0.009	-0.061	0.080	0.129	116.366299	38.714079	-1961.36	2032.29
5	GUIDE	388371256	9.03	9887	0.017	0.010	0.073	0.115	116.958551	39.618125	-1467.35	-1584.16
6	GUIDE	388381032	9.93	9872	0.016	0.095	0.142	0.221	117.226747	39.682641	-1943.16	-2201.18
7	GUIDE	388381184	9.27	9875	-0.054	0.005	0.092	0.149	115.796137	39.415707	779.14	845.51

2.4 Star Slots

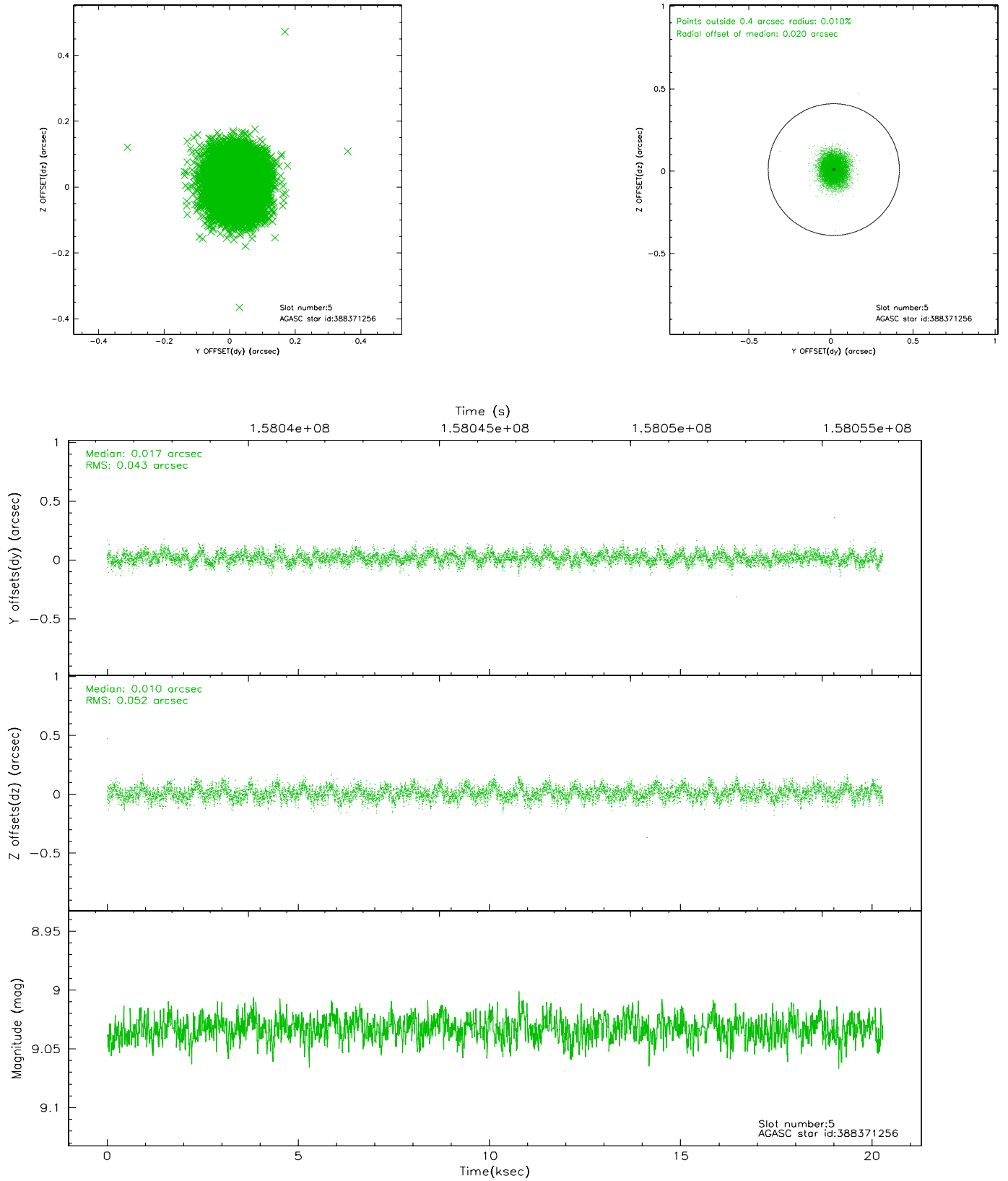
2.4.1 Slot 3



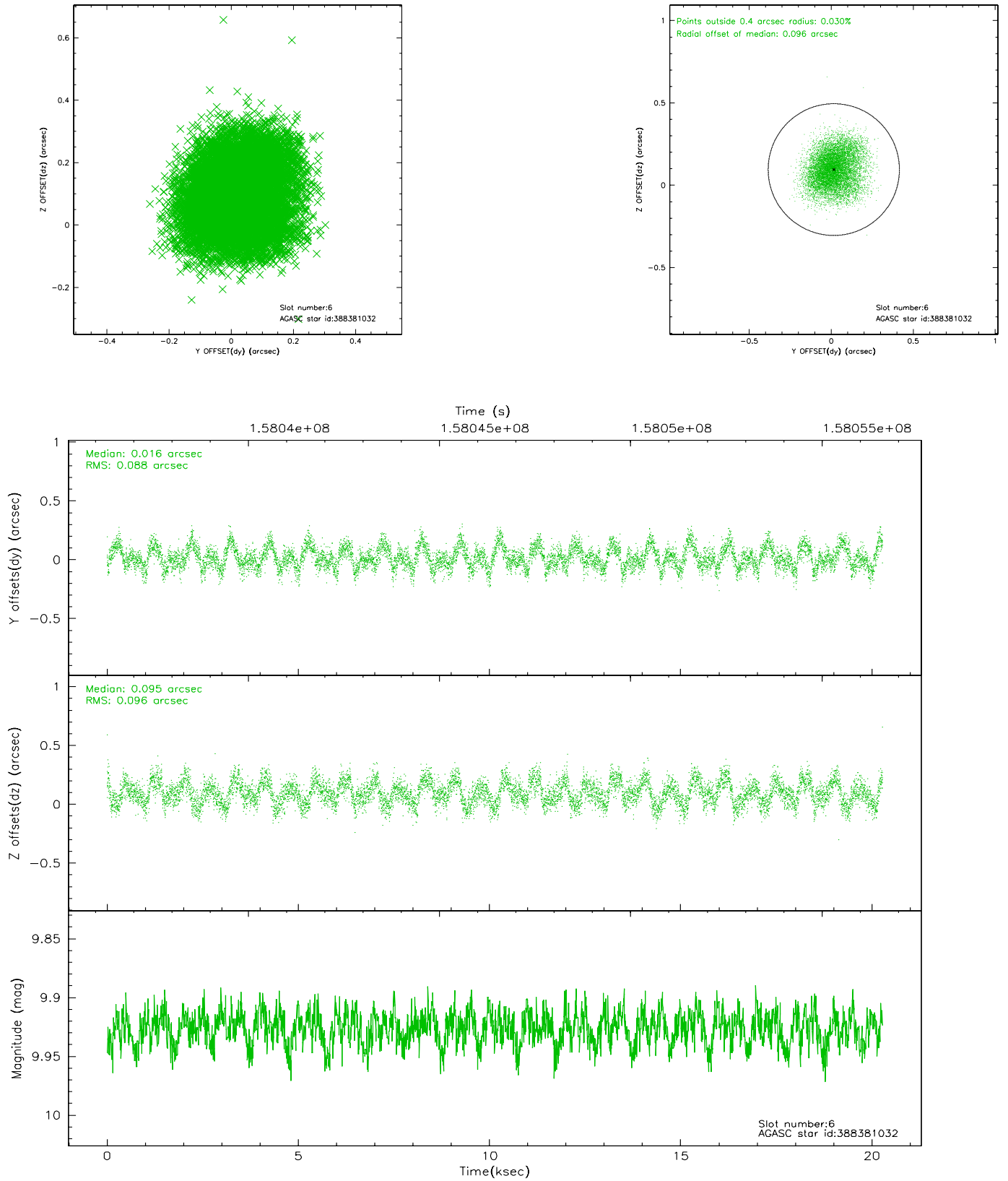
2.4.2 Slot 4



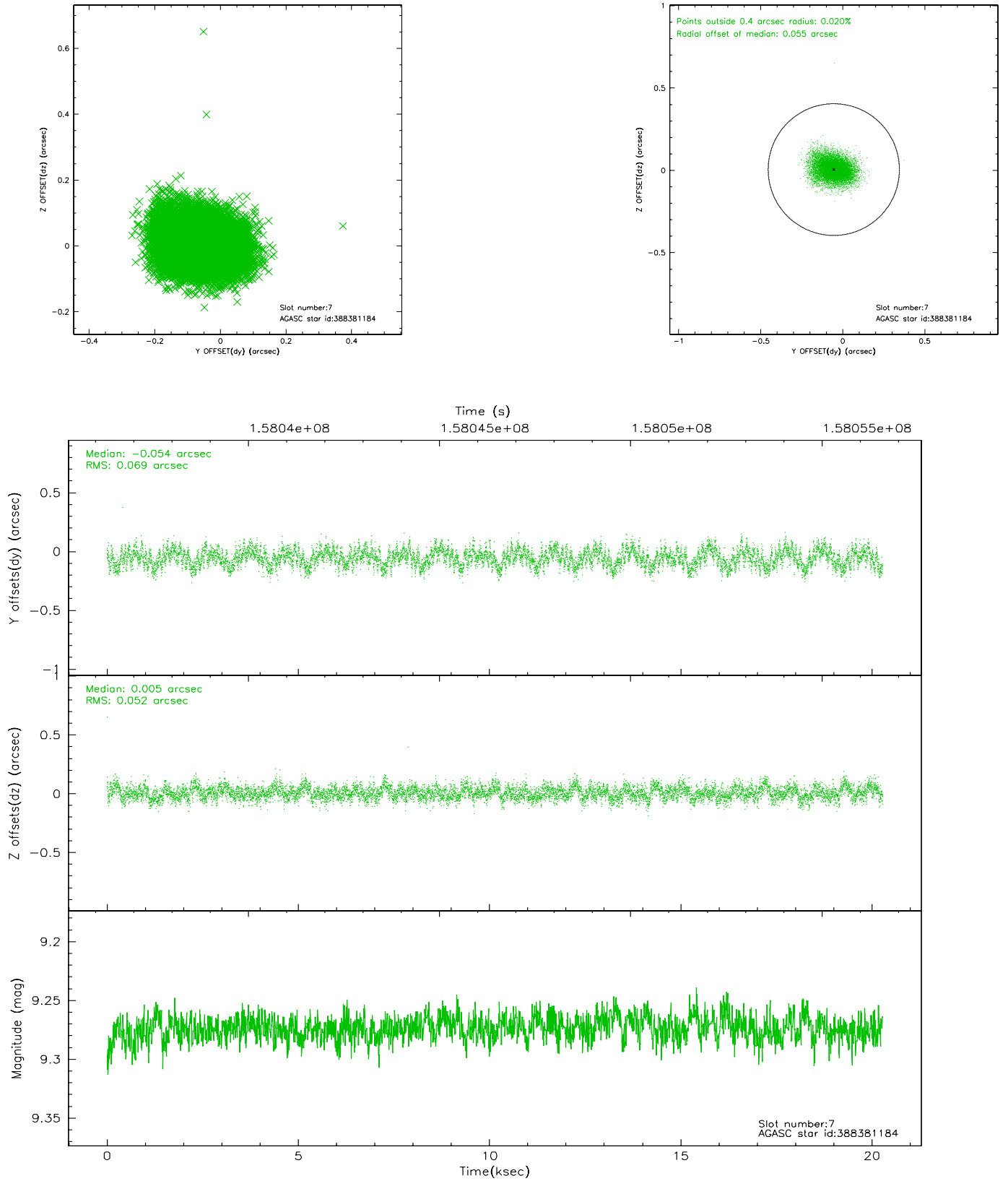
2.4.3 Slot 5



2.4.4 Slot 6

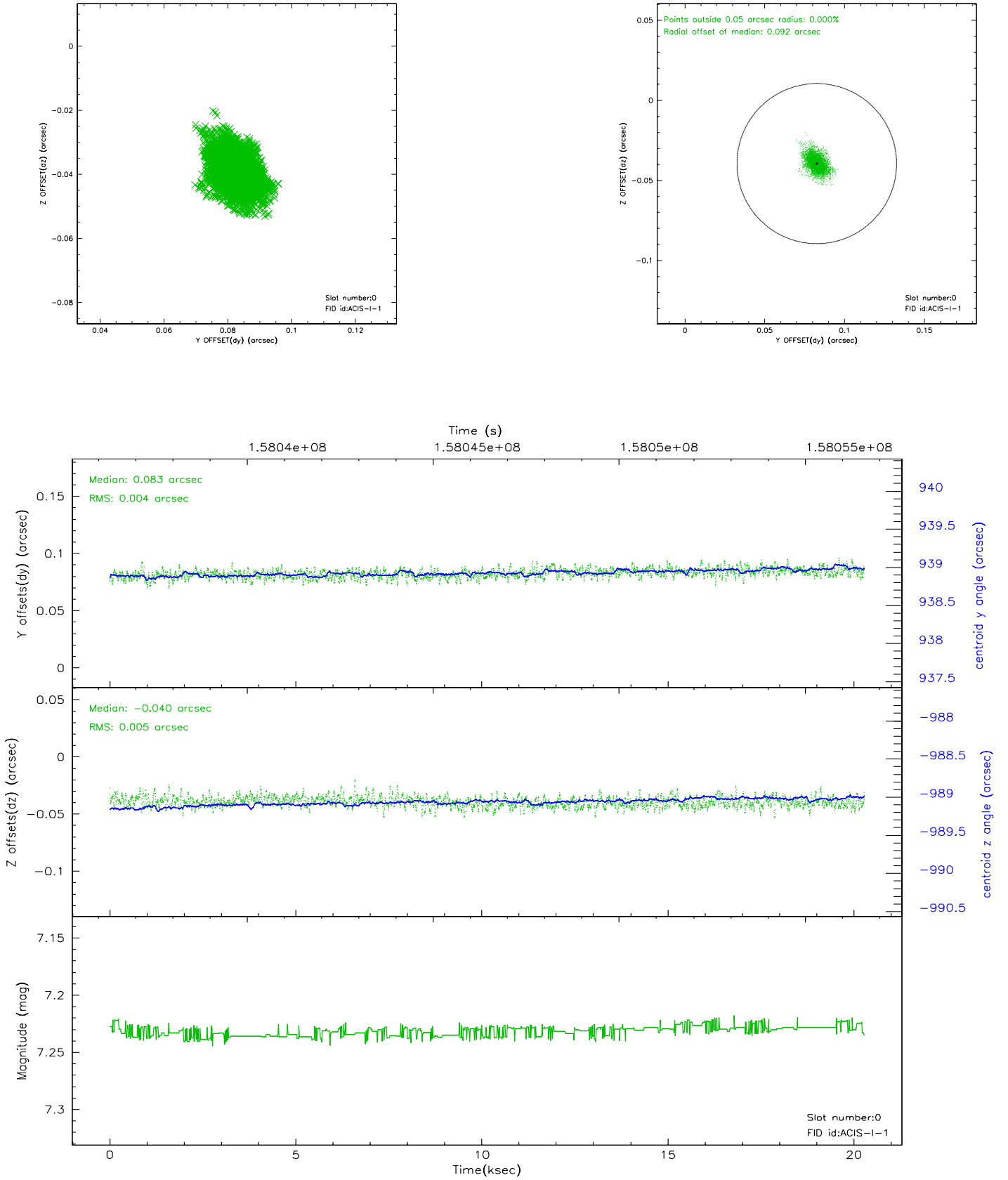


2.4.5 Slot 7

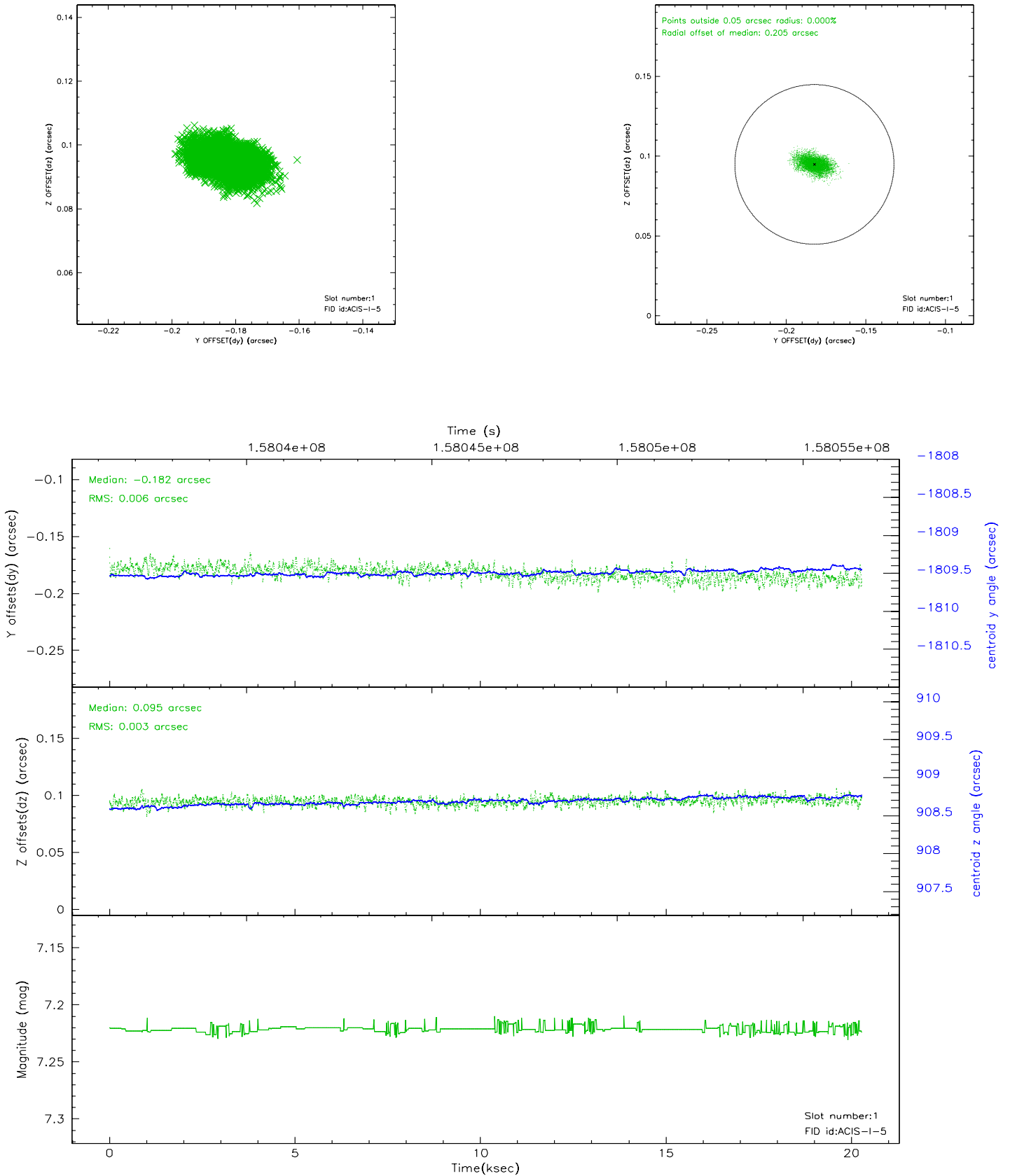


2.5 FID Slots

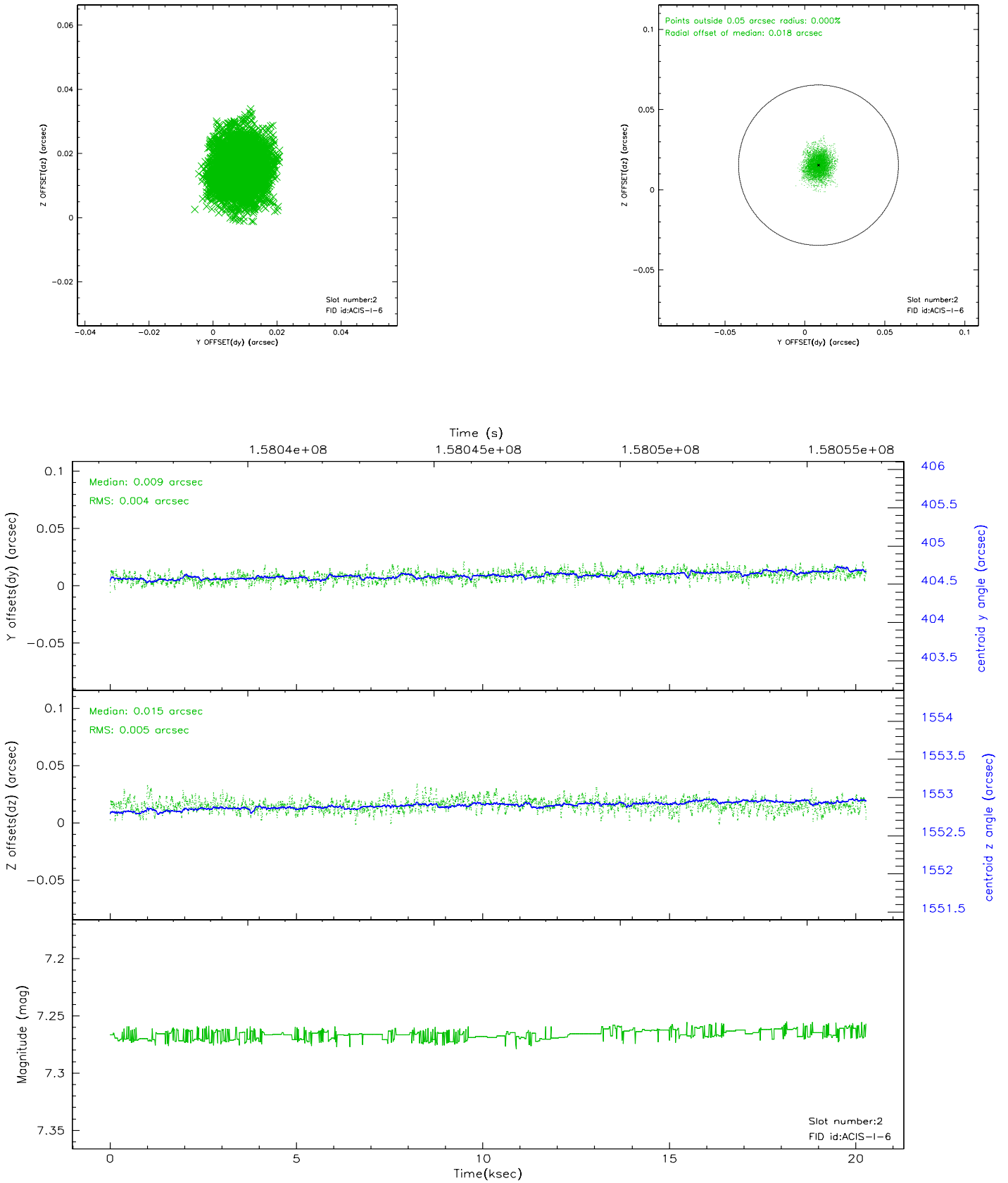
2.5.1 Slot 0



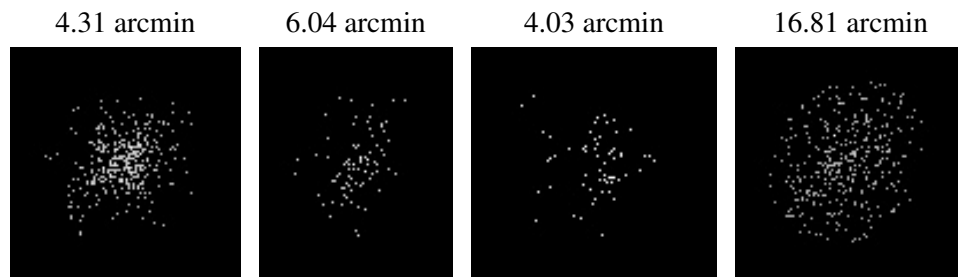
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.10.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.122

A.2 Comments