

V&V Reference Report

L2 ASCDS Version : 7.6.8

Observation 4165 - L2 Version 002
Chandra X-Ray Center

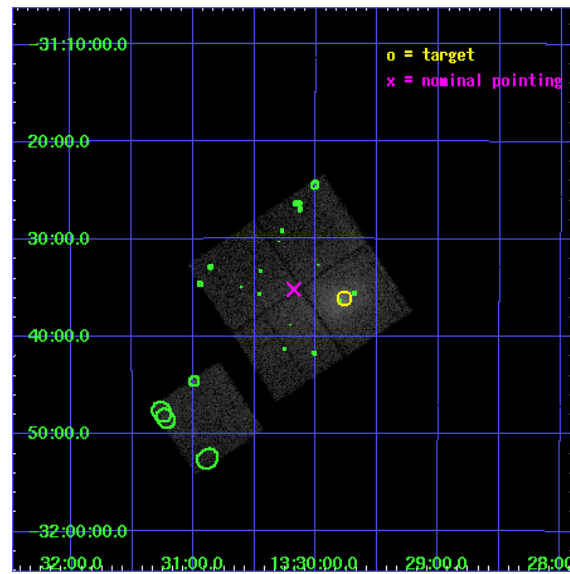
L2 Processing Date : Aug 1 2006

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1 Front

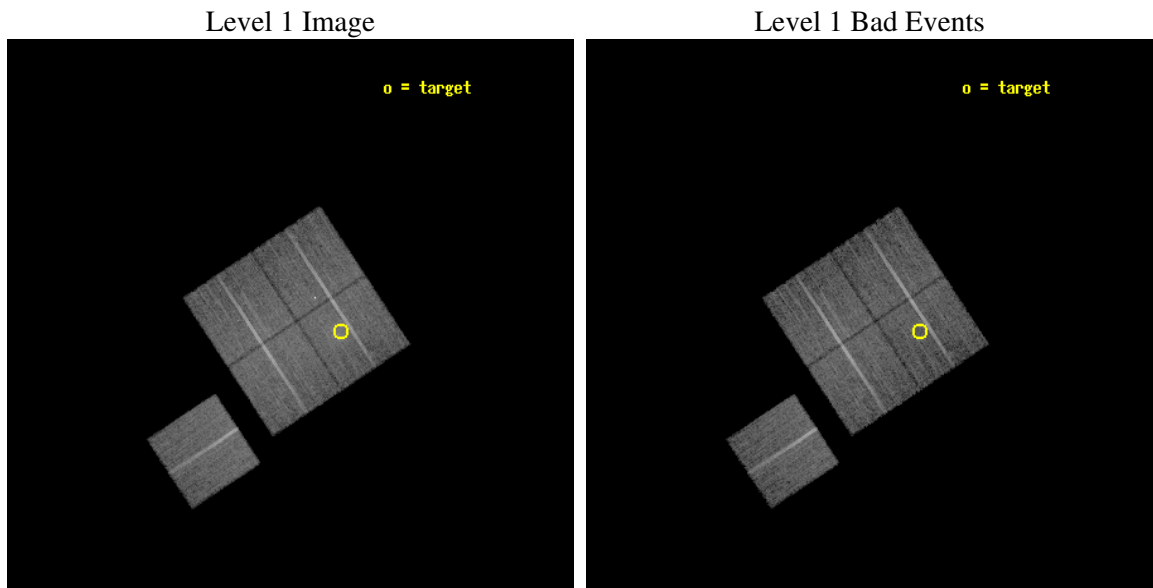
seq_num	800321
obs_id	4165
title	SPATIALLY RESOLVED OBSERVATION OF A MAJOR MERGING EVENT IN THE SHAPLEY SUPERCLUSTER
observer	DR STEFANO ETTORI
object	SC1327-312
dtcycle	0
cycle	P
ra_targ	202.440833
dec_targ	-31.6025
ra_nom	202.5448316934
dec_nom	-31.586554182548
roll_nom	236.54334054621
revision	4
ontime	18612.317993879
livetime	18369.1343571
ontime0	18612.317993879
ontime1	18618.599964201
ontime2	18615.459003955
ontime3	18615.458993942
ontime6	18615.458974034
l2events	72617



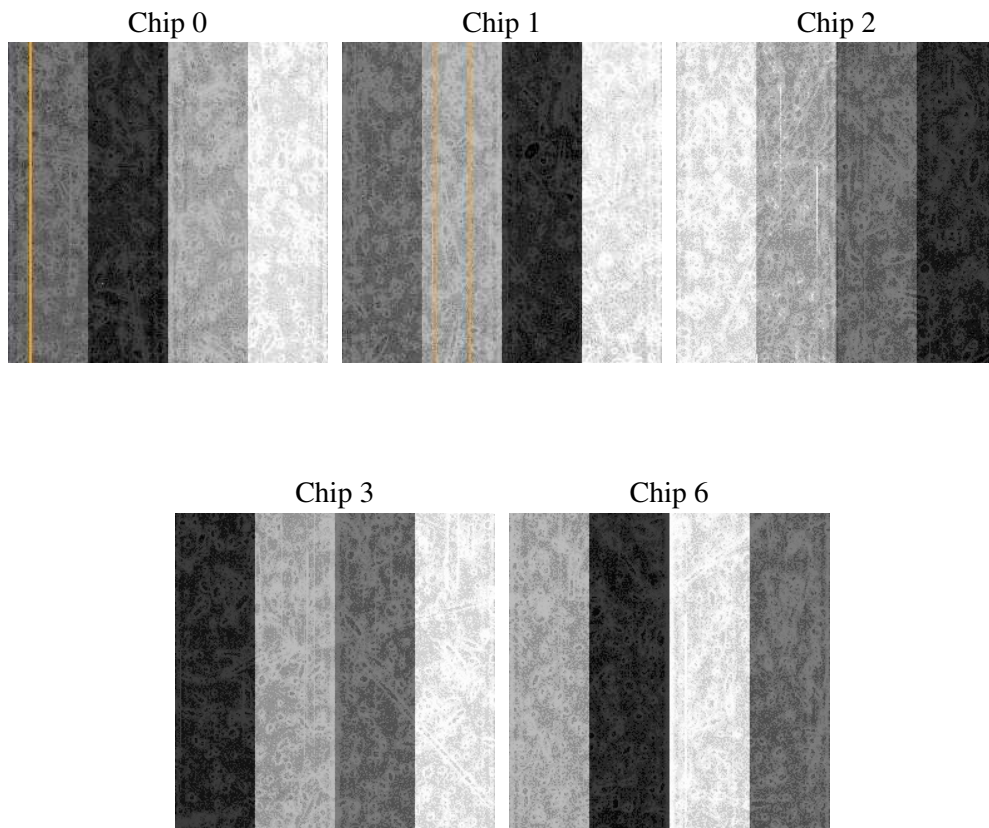
2 OBI

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	2006-08-01T17:34:09
revision	4

sched_exp_time	18500.000000
ontime	18619.856026828
ontime0	18619.856026828
ontime1	18626.13799715
ontime2	18622.997036904
ontime3	18622.997026891
ontime6	18622.997006983
llevents	522452

2.1.4 Events

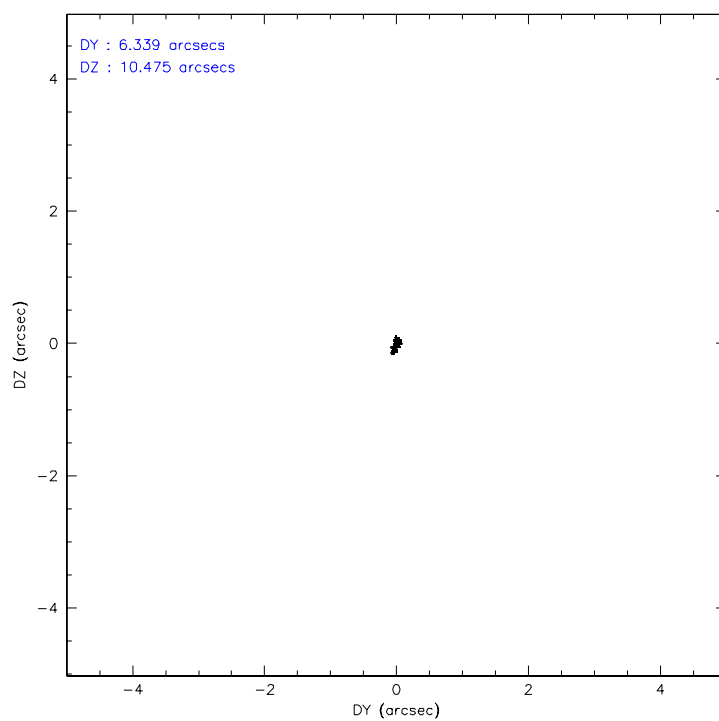
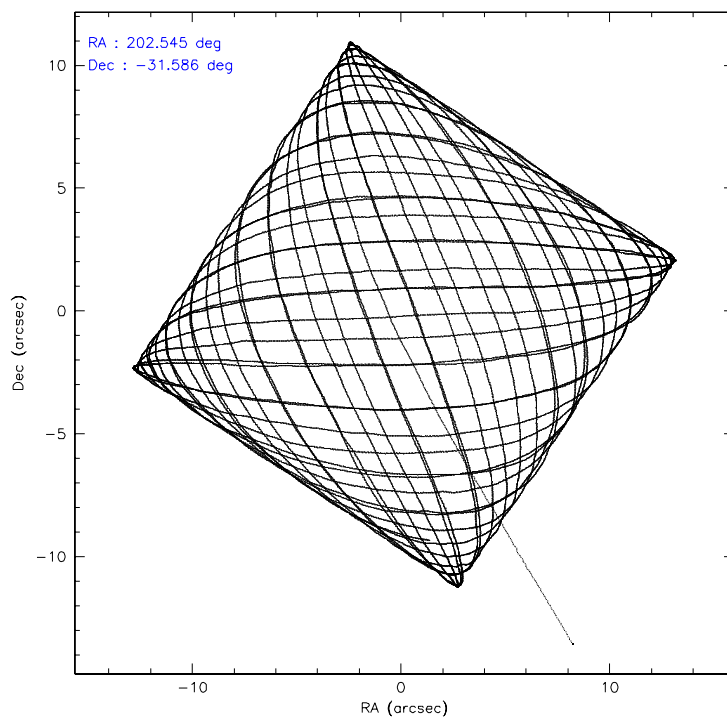
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	106596	97139	110522	102575	105620
rejected events	80926	81580	93949	90738	92349
rejected %	75%	83%	85%	88%	87%

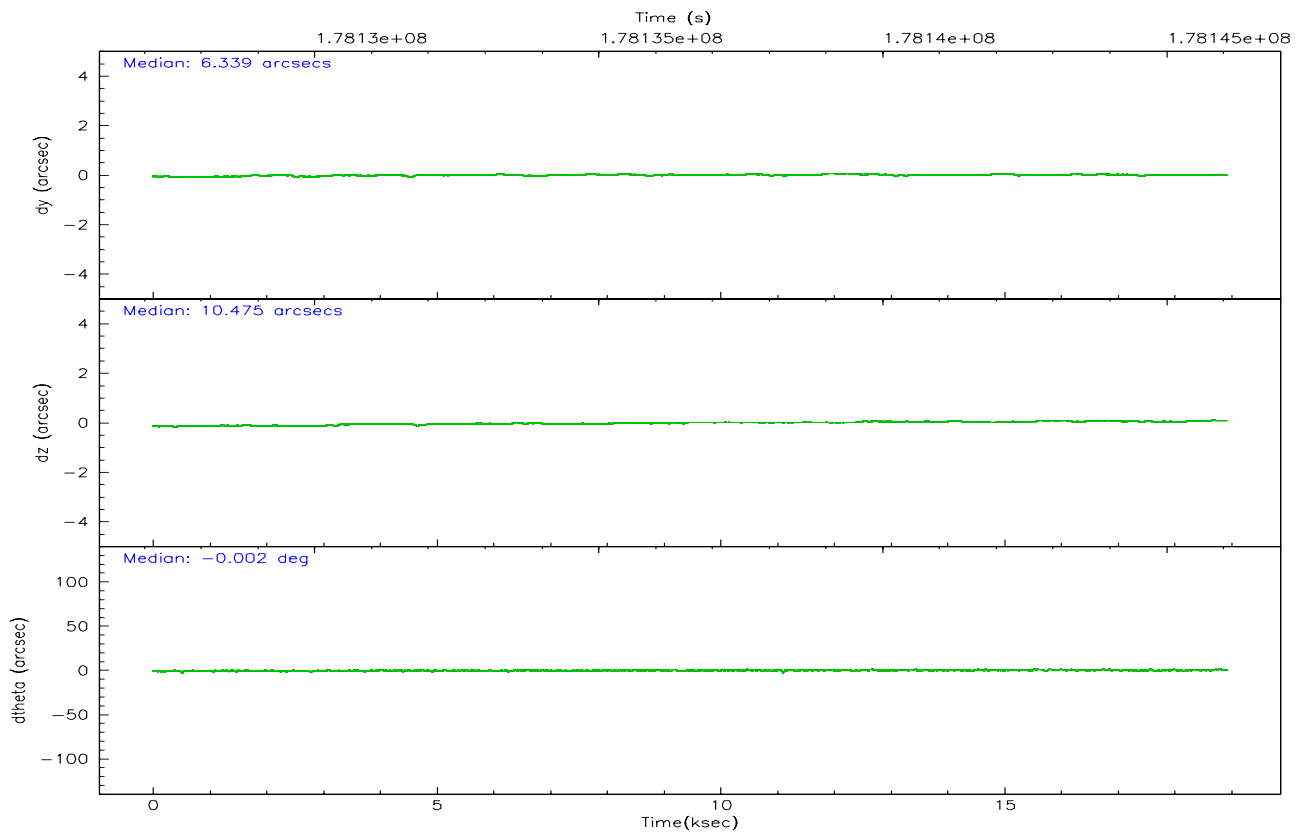
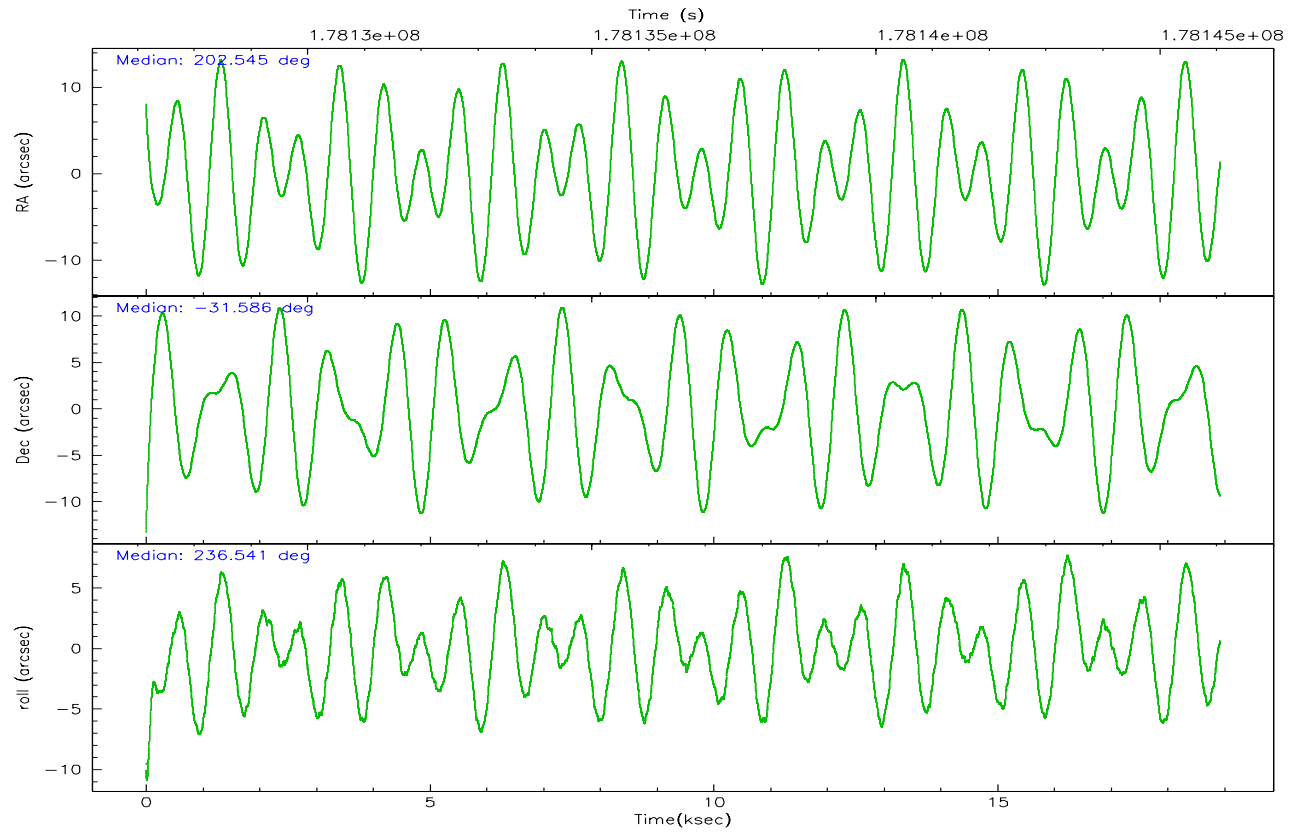
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	16399	7963	9276	5429	6108
	15%	8%	8%	5%	5%
grade 1 events	116	97	60	57	49
	0%	0%	0%	0%	0%
grade 2 events	3895	2628	2892	2205	2453
	3%	2%	2%	2%	2%
grade 3 events	1649	1381	1248	1172	1248
	1%	1%	1%	1%	1%
grade 4 events	1544	1318	1268	1168	1208
	1%	1%	1%	1%	1%
grade 5 events	3348	3723	3252	3751	3773
	3%	3%	2%	3%	3%
grade 6 events	2194	2272	1899	1867	2258
	2%	2%	1%	1%	2%
grade 7 events	77451	77757	90627	86926	88523
	72%	80%	81%	84%	83%

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	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	202.546643	202.5448316933968	Alternating exposures requested	N	N
Pointing Dec	-31.559234	-31.58655418254778	Primary exposure time	0.000000	3.1
Pointing Roll	236.335613	236.543340546214			
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	178127570.184000	178126479.79082			
Observation start date	2003-08-24T15:51:46	2003-08-24T15:34:39			
Observation end time	178146070.184000	178146979.79169			
Observation end date	2003-08-24T21:00:06	2003-08-24T21:16:19			
Read mode	TIMED	TIMED			

2.3 Aspect



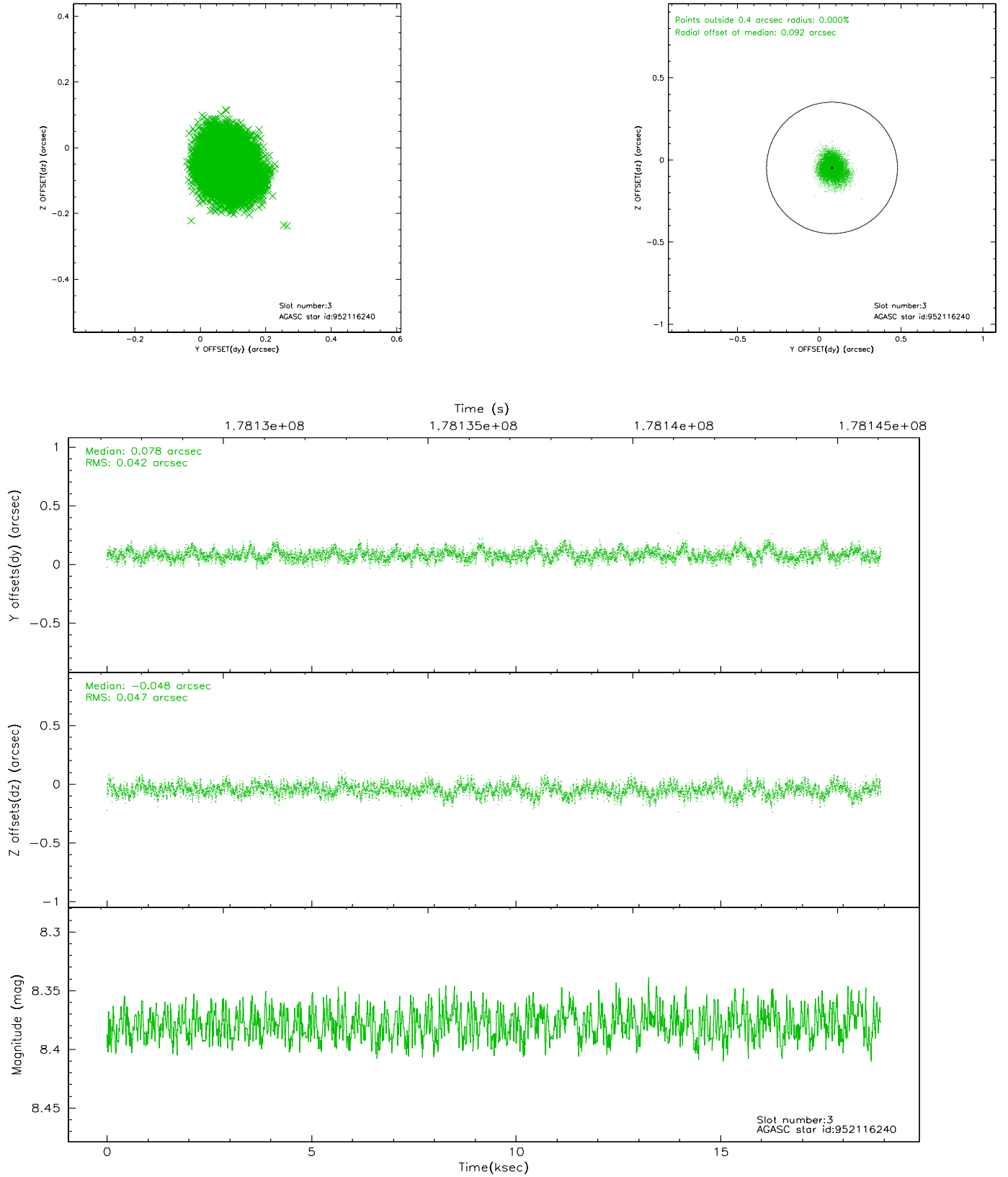


Slot Statistics

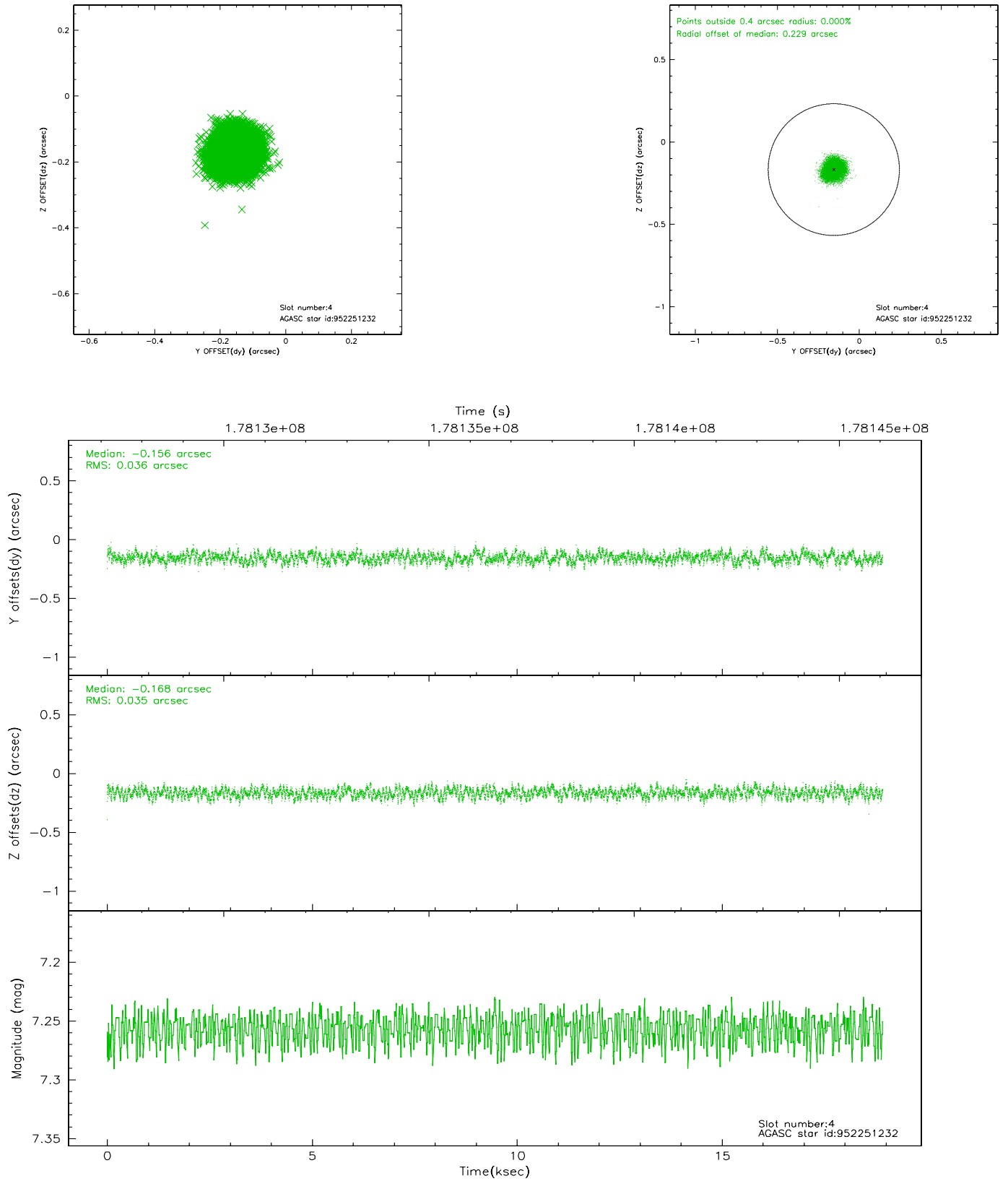
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	4615	0.005	0.001	0.005	0.009	0.000000	0.000000	933.37	-833.94
1	FID	ACIS-I-5	7.23	4615	-0.065	0.049	0.005	0.009	0.000000	0.000000	-1814.70	1063.48
2	OMITTED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00
3	GUIDE	952116240	8.38	9226	0.078	-0.048	0.067	0.110	202.422973	-31.388320	-300.84	-657.11
4	GUIDE	952251232	7.26	9230	-0.156	-0.168	0.055	0.083	202.949910	-31.055331	-2197.42	30.87
5	GUIDE	952255936	9.43	9225	0.035	0.125	0.092	0.153	203.223088	-31.593032	-1043.39	1797.82
6	GUIDE	952256016	9.30	9226	0.066	0.136	0.075	0.123	202.982591	-31.594858	-632.19	1185.60
7	GUIDE	952646080	7.72	9229	-0.029	-0.042	0.054	0.086	202.214424	-32.002598	1892.00	42.00

2.4 Star Slots

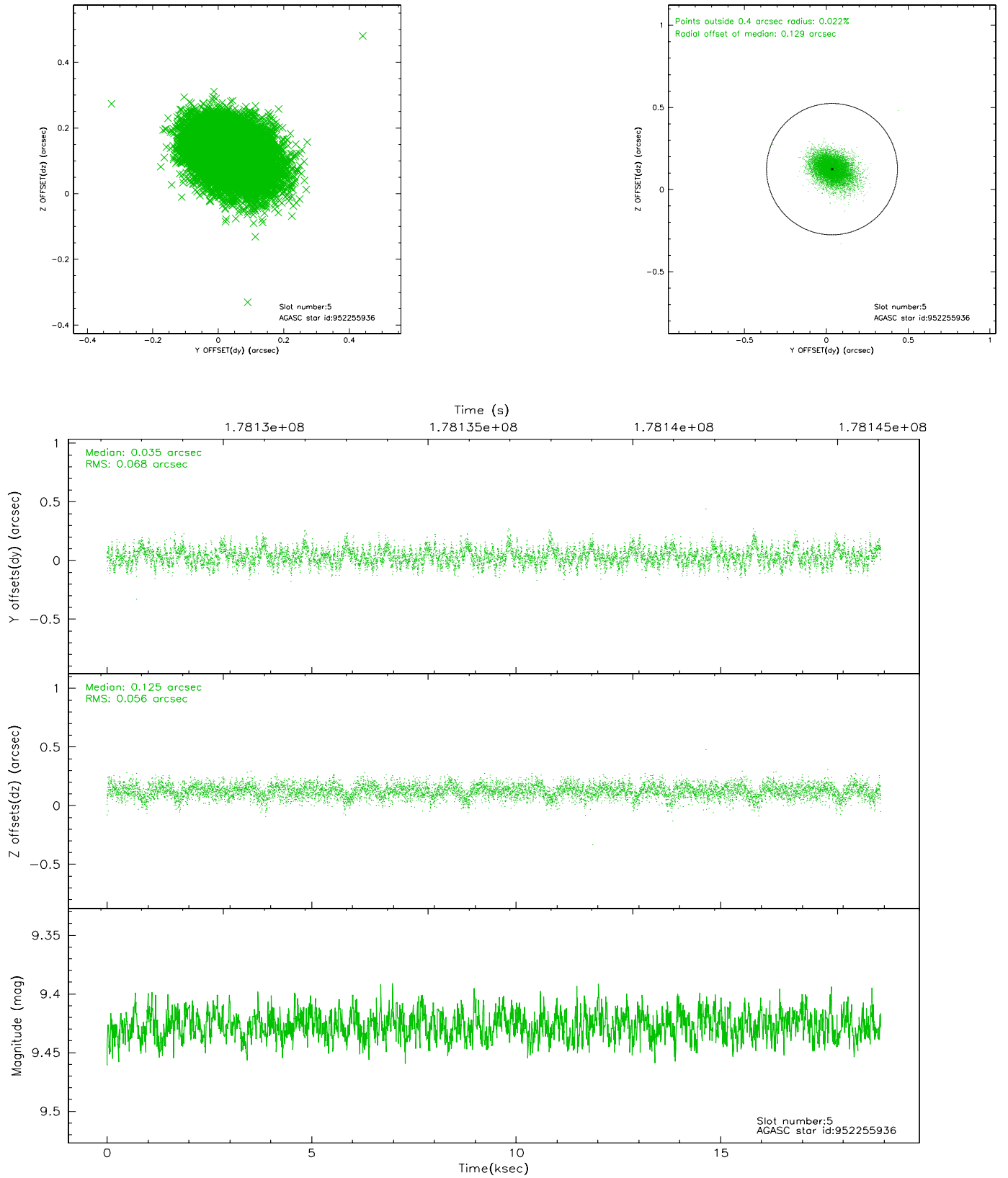
2.4.1 Slot 3



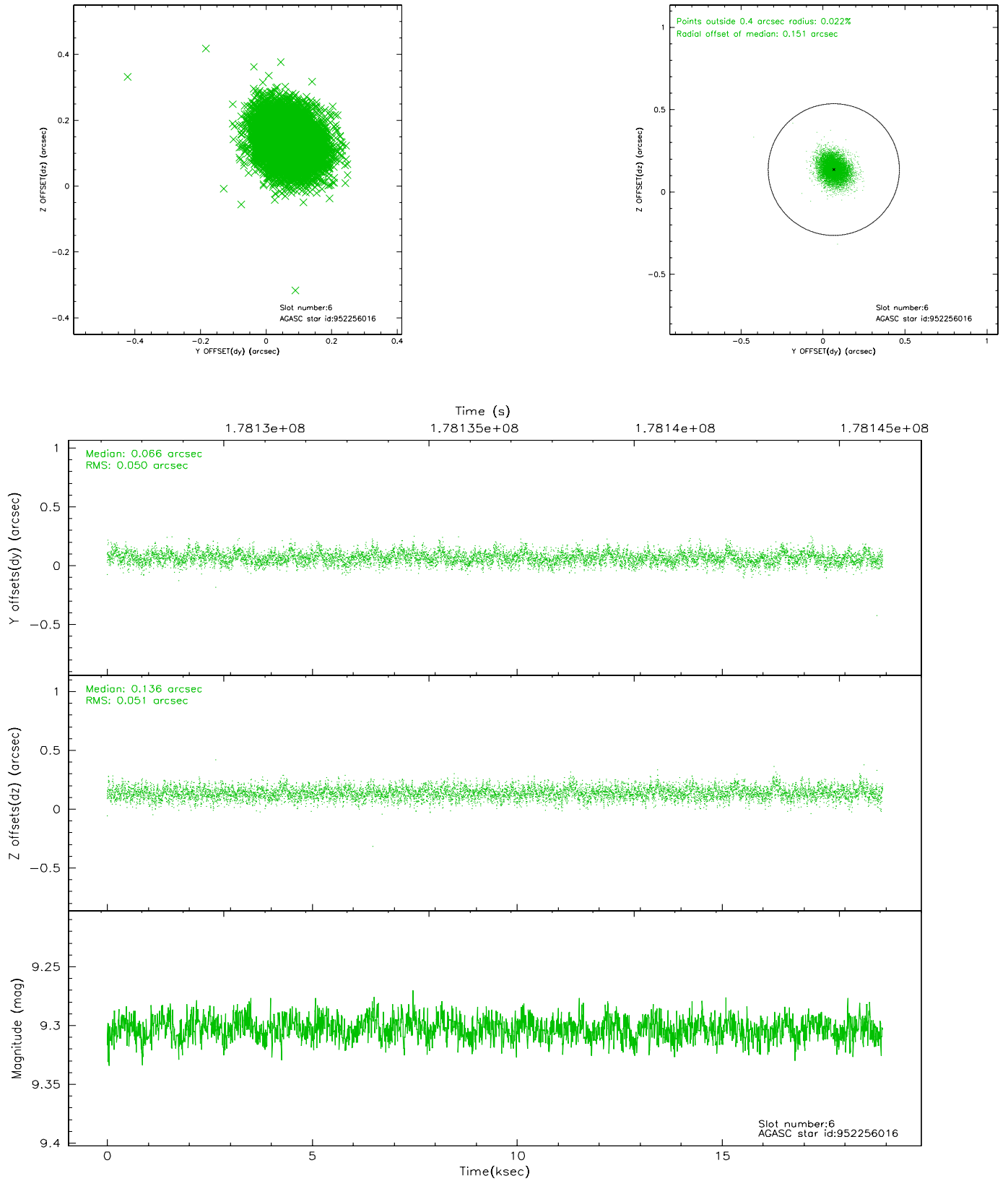
2.4.2 Slot 4



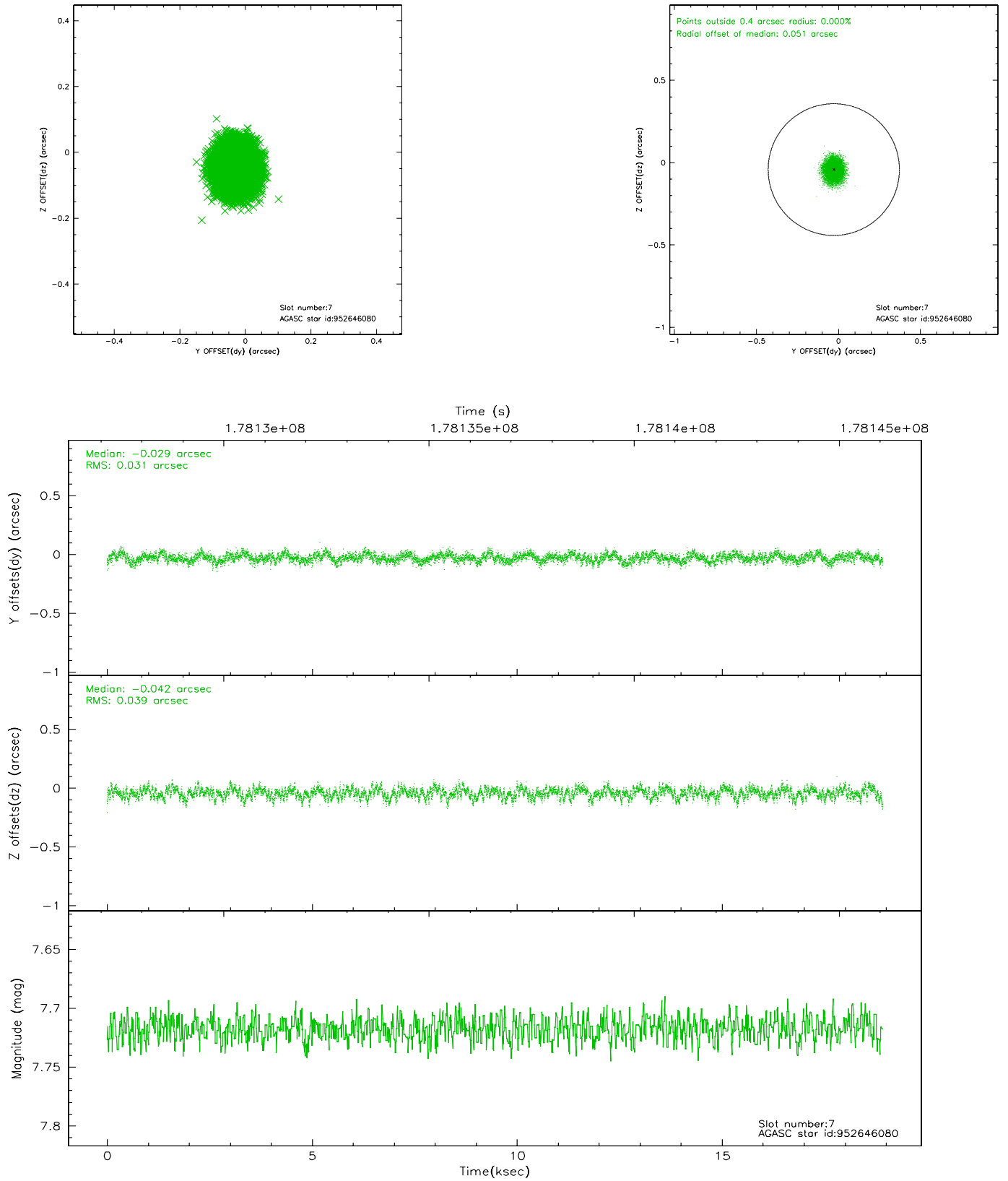
2.4.3 Slot 5



2.4.4 Slot 6

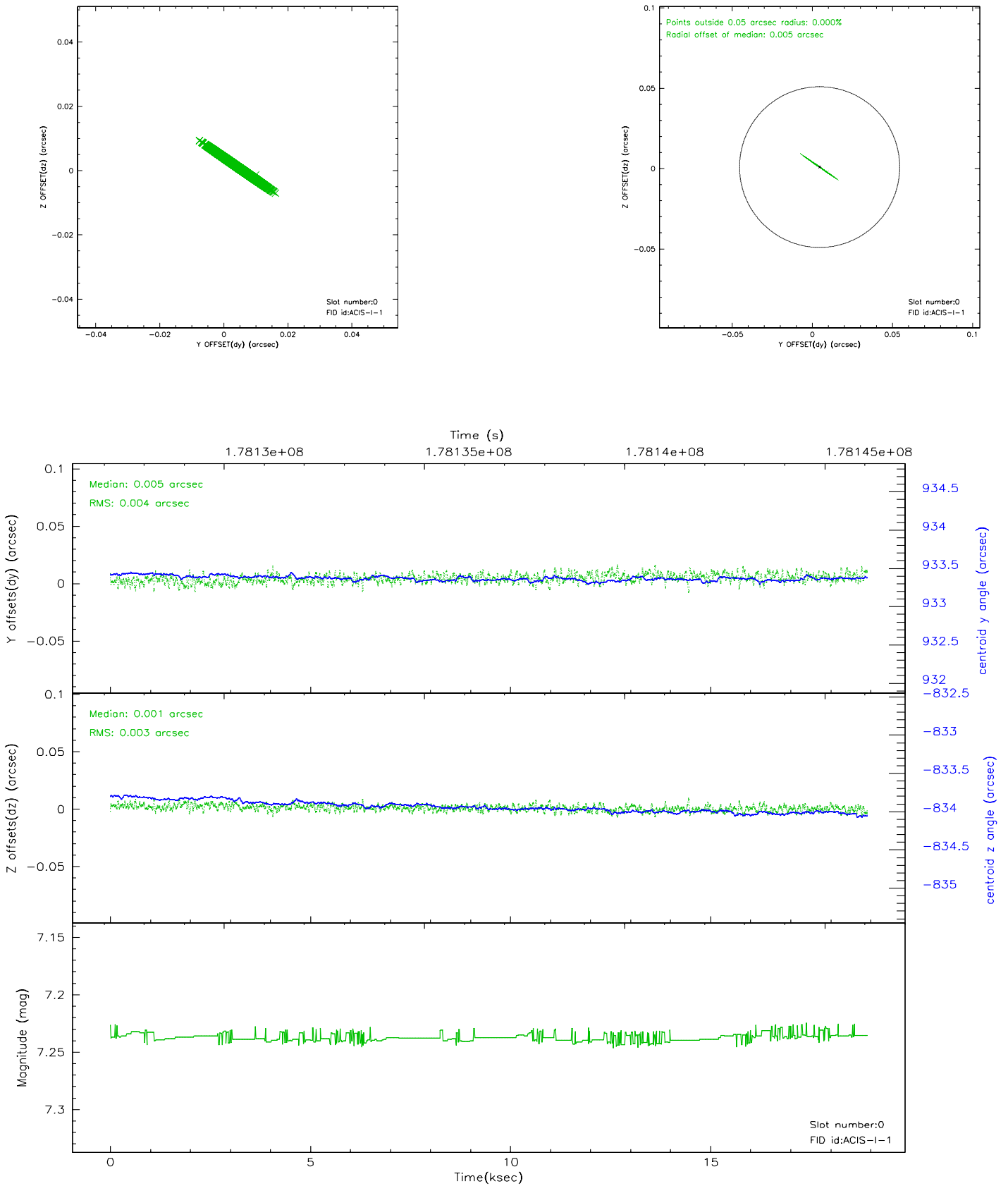


2.4.5 Slot 7

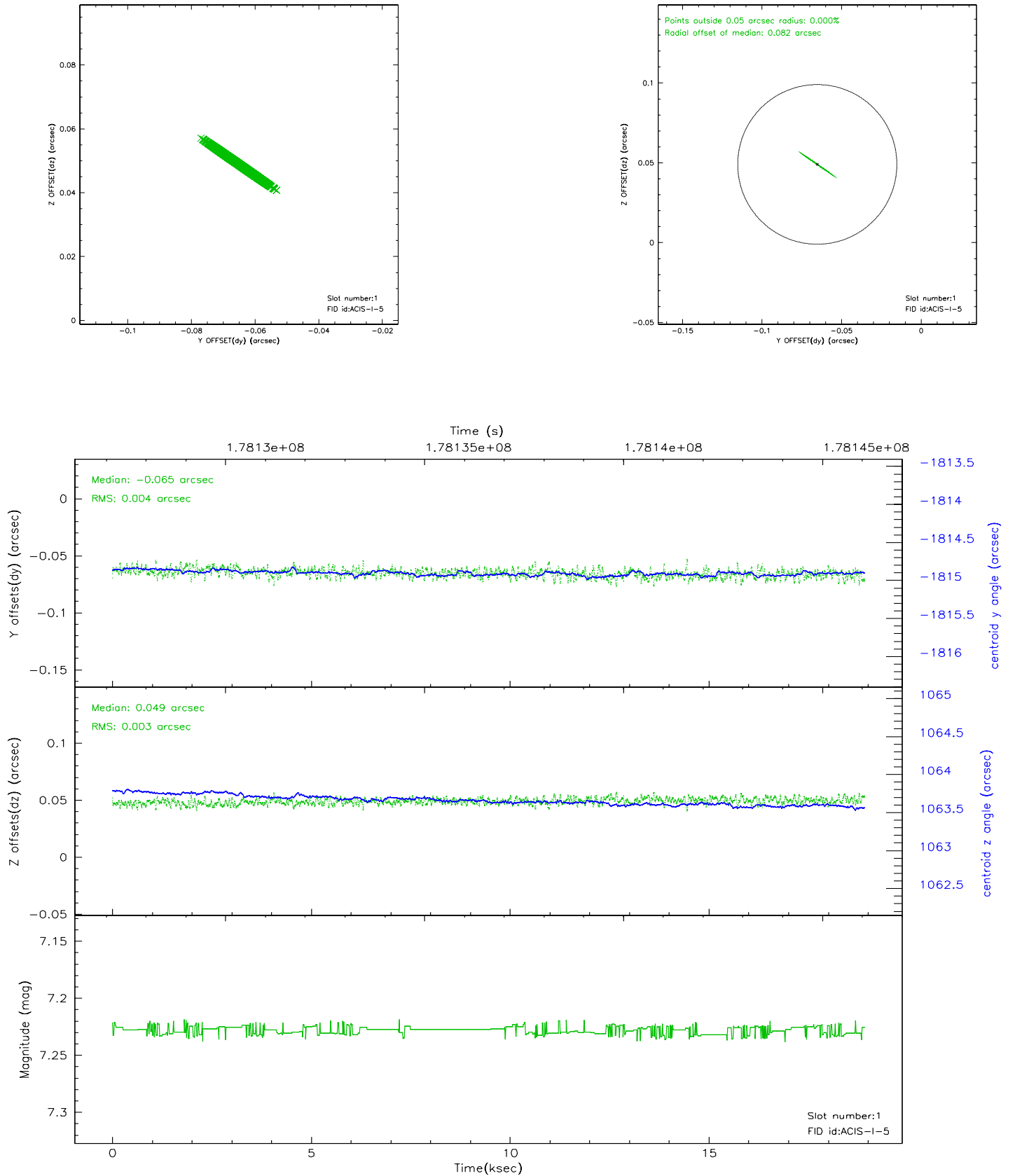


2.5 FID Slots

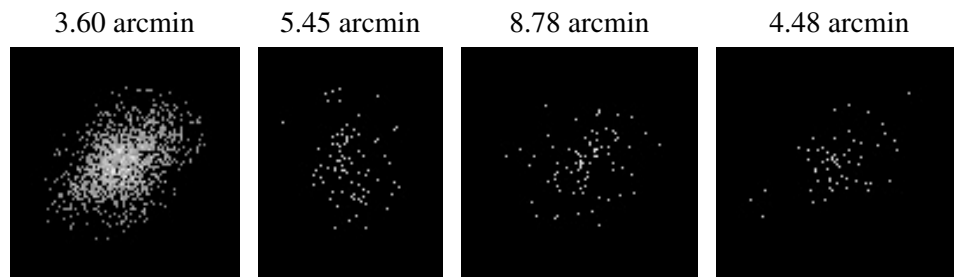
2.5.1 Slot 0



2.5.2 Slot 1



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.08.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	18.615

A.2 Comments

The fid light in slot 2 was removed from the aspect solution due to poor data quality. The aspect solution is not expected to be degraded by removing one fid light from the solution. This is a known anomaly with this fid light.