

V&V Reference Report

L2 ASCDS Version : 7.6.7.2

Observation 4646 - L2 Version 3
Chandra X-Ray Center

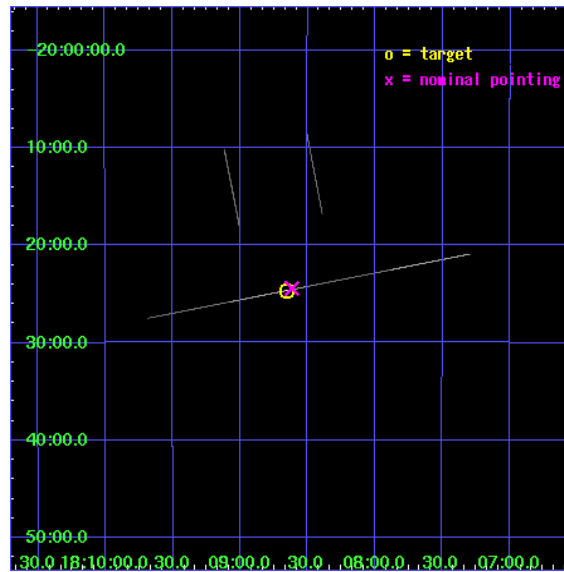
L2 Processing Date : Apr 11 2008

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
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

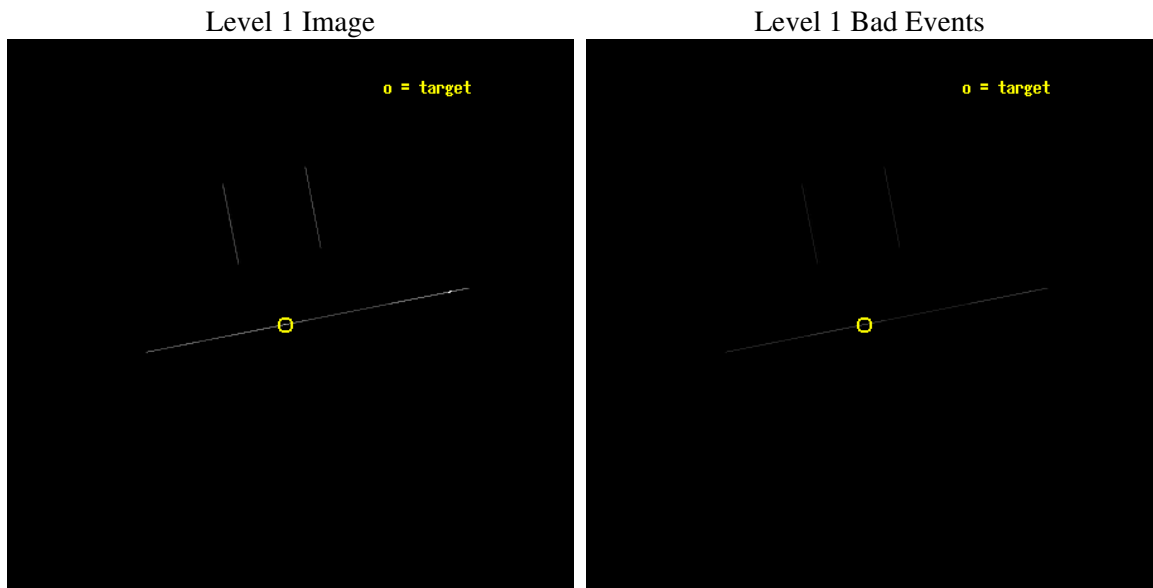
seq_num	500465
obs_id	4646
title	ToO Observations of Soft Gamma Repeaters
observer	Dr. Peter Woods
object	SGR 1806-20
ra_targ	272.16375
dec_targ	-20.410972
ra_nom	272.15414339652
dec_nom	-20.407502097181
roll_nom	168.86315200064
revision	3
ontime	20181.75
livetime	20102.915039062
ontime2	20181.75
ontime3	20181.75
ontime5	20181.75
ontime6	20181.75
ontime7	20181.75
ontime8	20181.75
l2events	280830



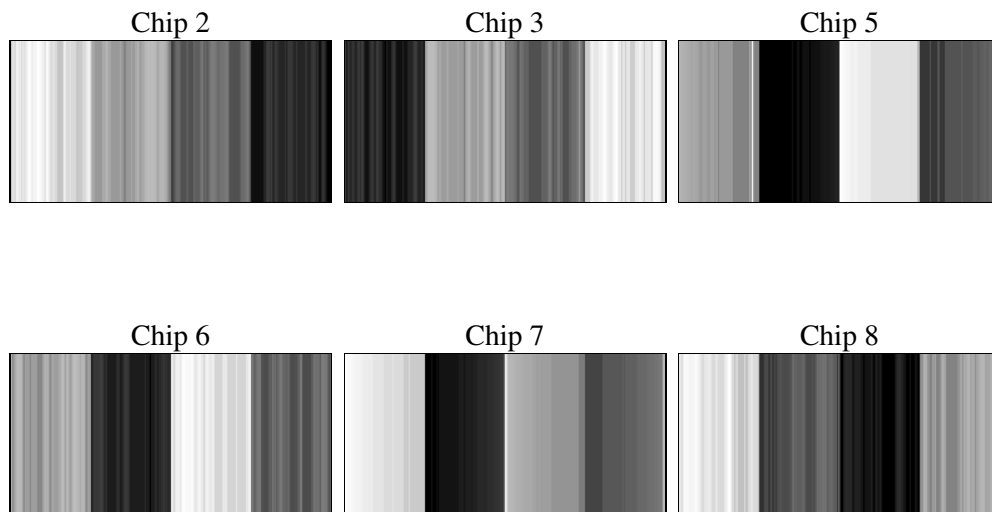
2 OBI

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	2008-04-11T19:12:23
revision	3

sched_exp_time	20000.000000
ontime	20181.75
ontime2	20181.75
ontime3	20181.75
ontime5	20181.75
ontime6	20181.75
ontime7	20181.75
ontime8	20181.75
l1events	609778

2.1.4 Events

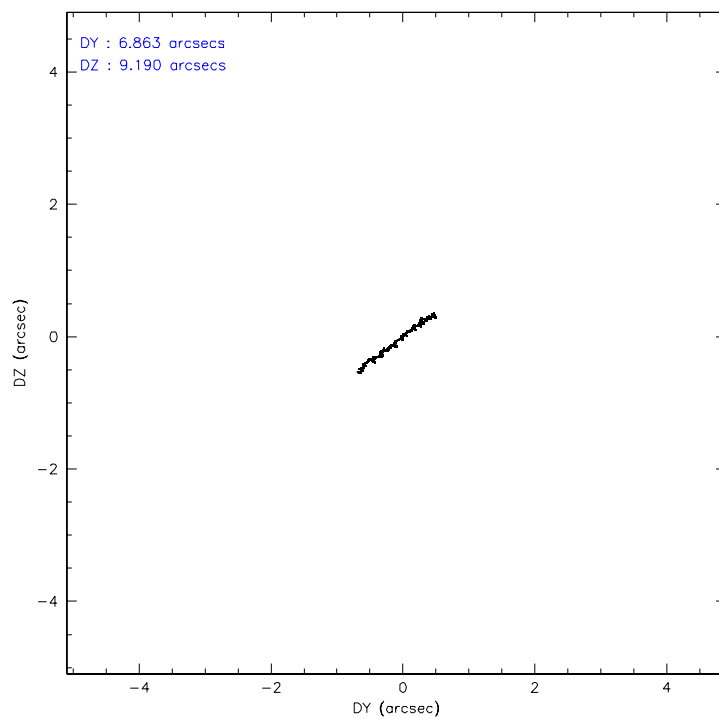
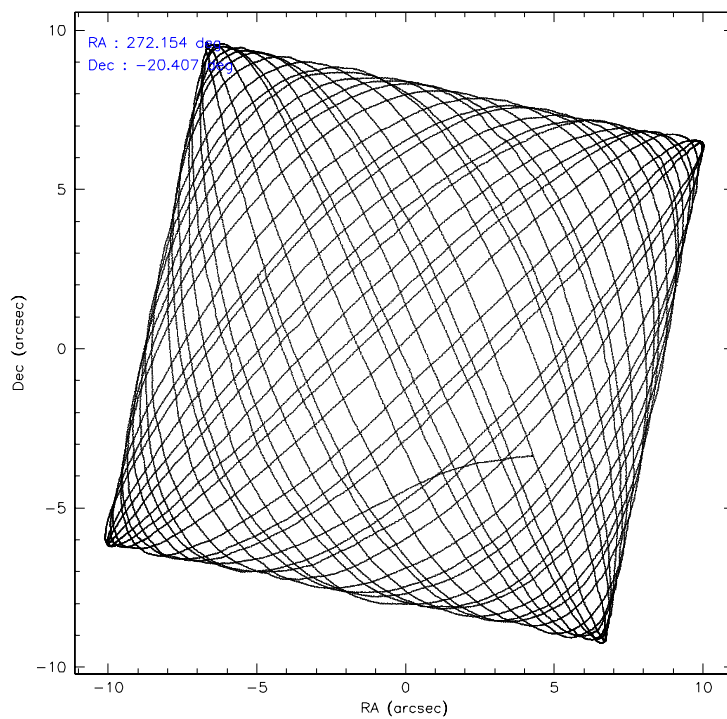
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	30215	32158	331753	33436	119313	62903
rejected events	6186	6556	17591	7016	19832	10136
rejected %	20%	20%	5%	20%	16%	16%

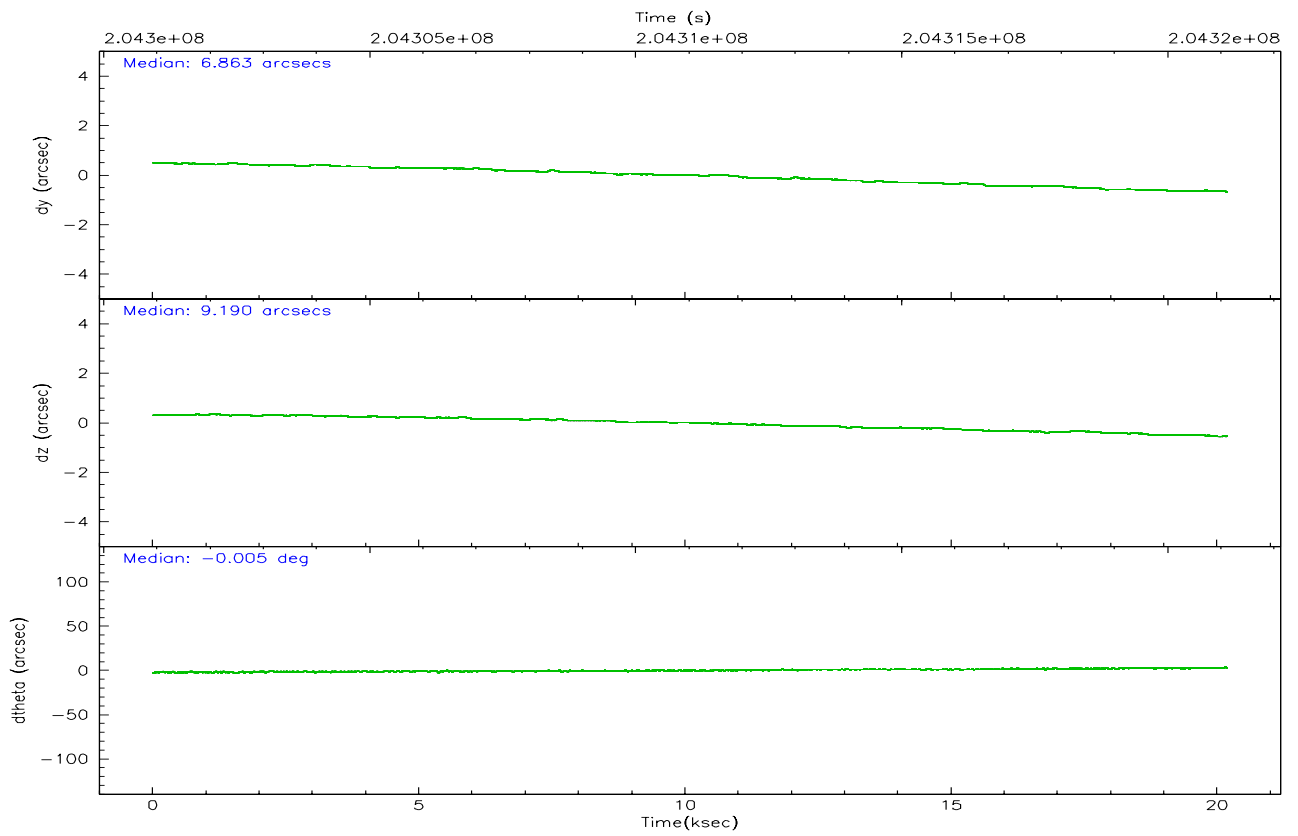
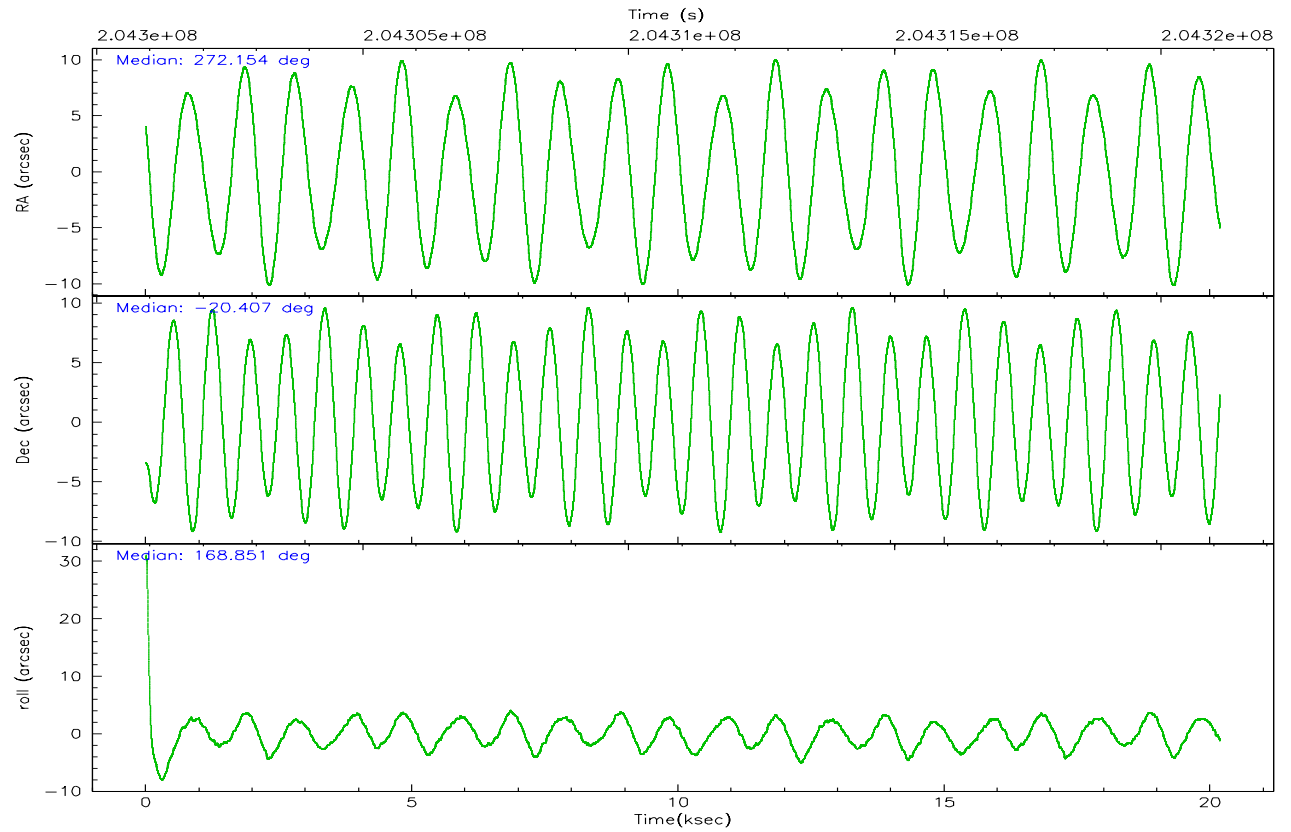
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	3614	3510	137427	3293	11512	10024
	11%	10%	41%	9%	9%	15%
grade 1 events	137	129	232	142	290	218
	0%	0%	0%	0%	0%	0%
grade 2 events	9396	10028	115117	10839	25682	16965
	31%	31%	34%	32%	21%	26%
grade 3 events	3119	3779	3013	3336	8081	6059
	10%	11%	0%	9%	6%	9%
grade 4 events	3206	3281	2931	3191	8115	6048
	10%	10%	0%	9%	6%	9%
grade 5 events	5486	5795	14098	6259	17465	8656
	18%	18%	4%	18%	14%	13%
grade 6 events	5257	5636	58935	6376	48168	14933
	17%	17%	17%	19%	40%	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	272.181489	272.1541433965189	Alternating exposures requested	N	N
Pointing Dec	-20.398315	-20.40750209718131	Primary exposure time	0.000000	0
Pointing Roll	168.716037	168.8631520006443			
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	204301121.184000	204300353.05674			
Observation start date	2004-06-22T14:17:37	2004-06-22T14:05:53			
Observation end time	204321121.184000	204321681.77019			
Observation end date	2004-06-22T19:50:57	2004-06-22T20:01:21			
Read mode	CONTINUOUS	CONTINUOUS			

2.3 Aspect



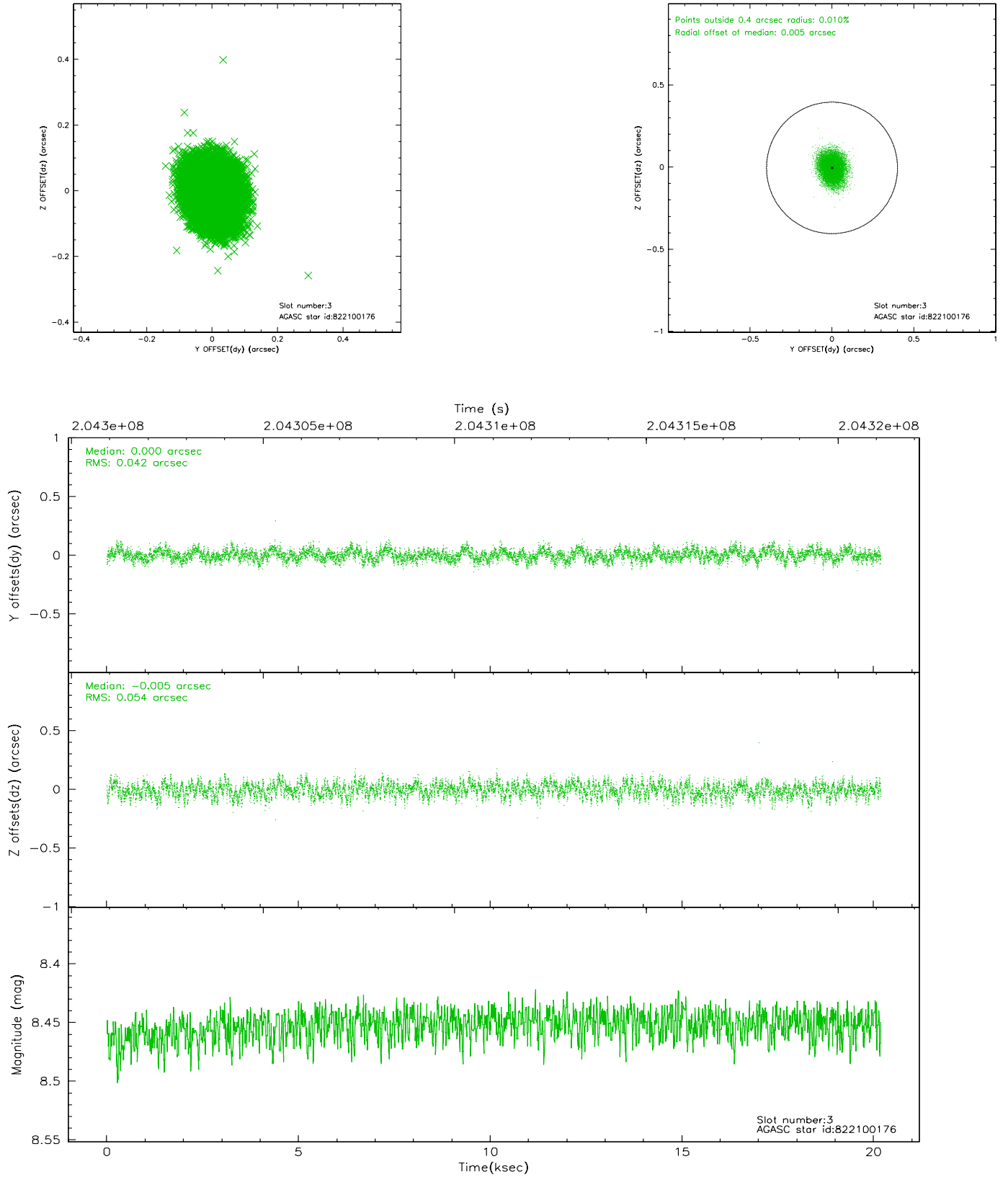


Slot Statistics

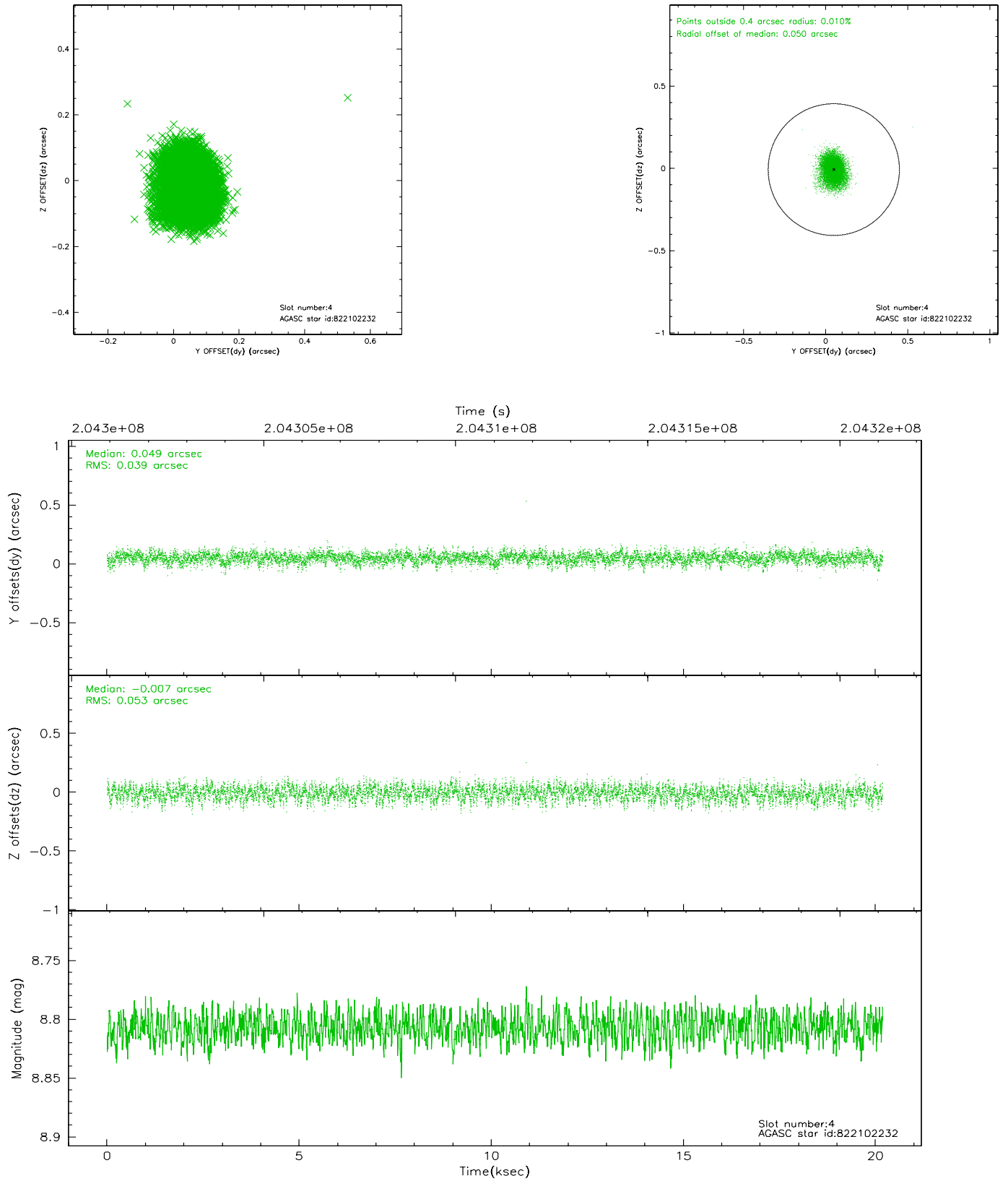
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.18	4924	0.009	0.010	0.011	0.022	0.000000	0.000000	936.46	-1726.01
1	FID	ACIS-S-4	7.20	4924	0.020	-0.006	0.011	0.017	0.000000	0.000000	2153.99	177.95
2	FID	ACIS-S-5	7.23	4924	-0.054	0.009	0.012	0.021	0.000000	0.000000	-1812.23	171.78
3	GUIDE	822100176	8.45	9840	0.000	-0.005	0.073	0.116	272.112888	-19.868886	601.44	-1823.22
4	GUIDE	822102232	8.81	9843	0.049	-0.007	0.070	0.115	272.350923	-20.034935	-305.34	-1394.72
5	GUIDE	822102416	7.49	9848	-0.038	0.011	0.048	0.076	272.173216	-20.087156	247.10	-1092.85
6	GUIDE	822616024	8.42	9843	-0.005	-0.063	0.072	0.117	272.218514	-20.919122	-489.25	1814.39
7	GUIDE	822617304	8.98	9841	-0.008	0.061	0.095	0.160	272.421826	-20.831304	-1098.22	1371.27

2.4 Star Slots

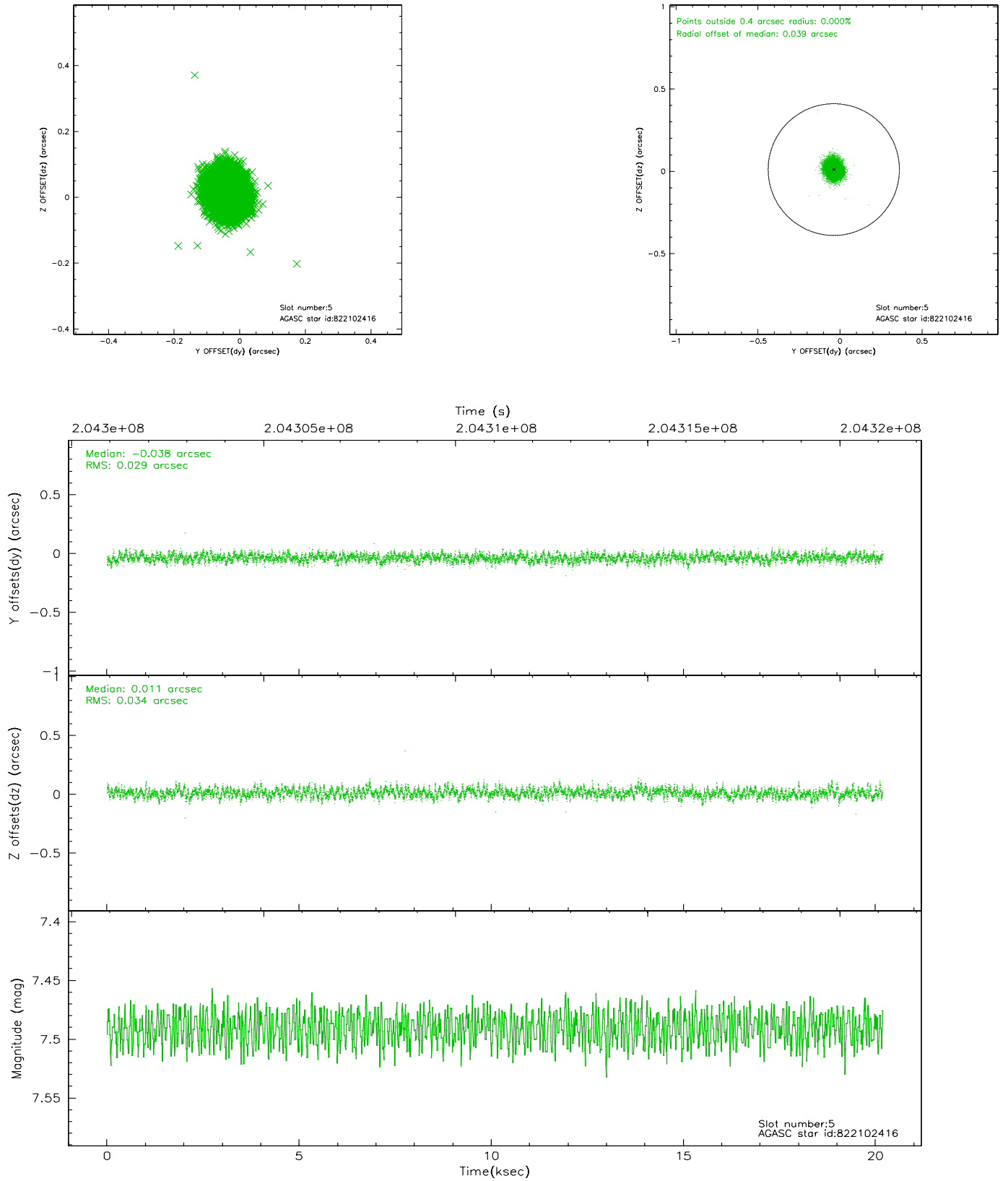
2.4.1 Slot 3



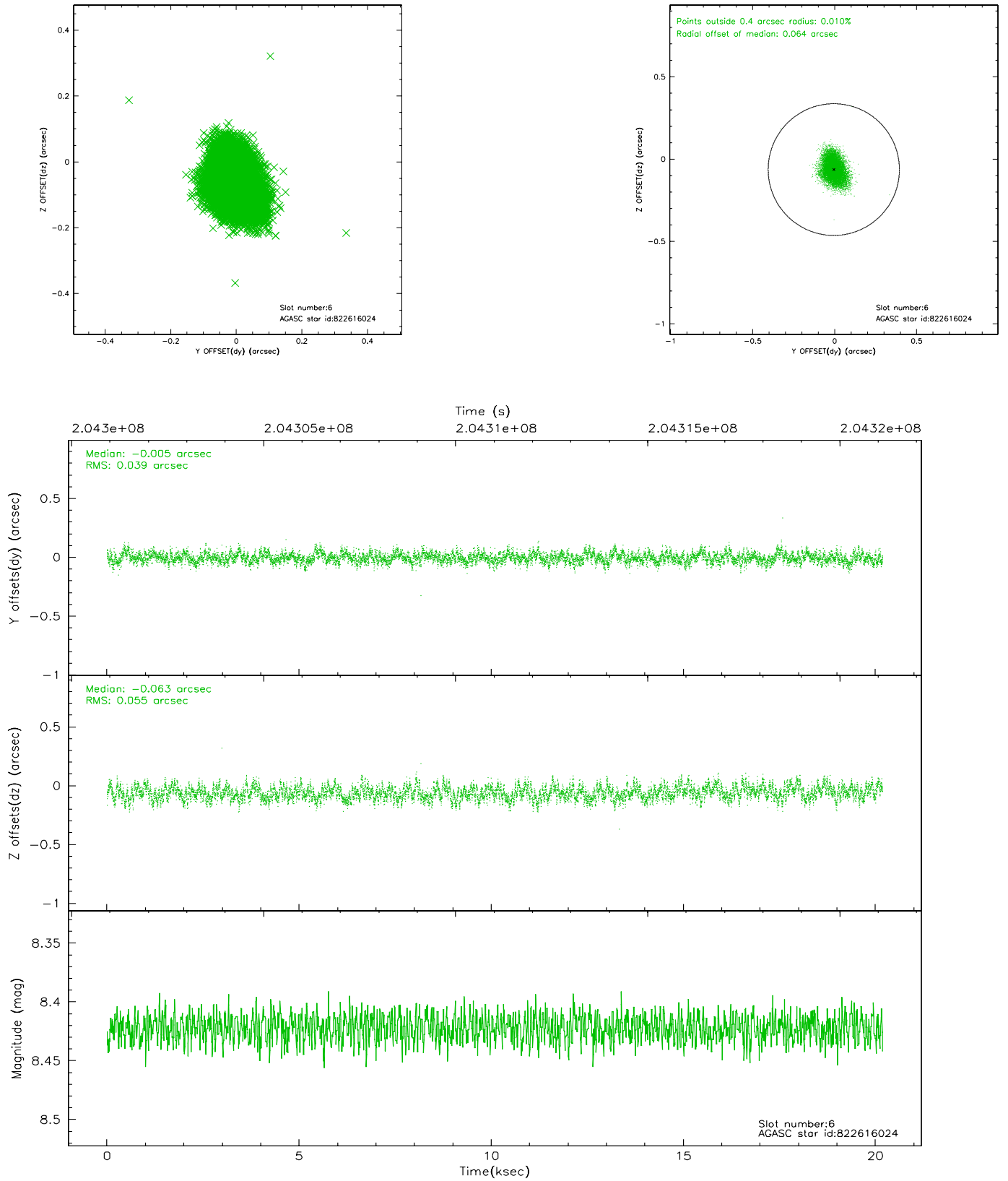
2.4.2 Slot 4



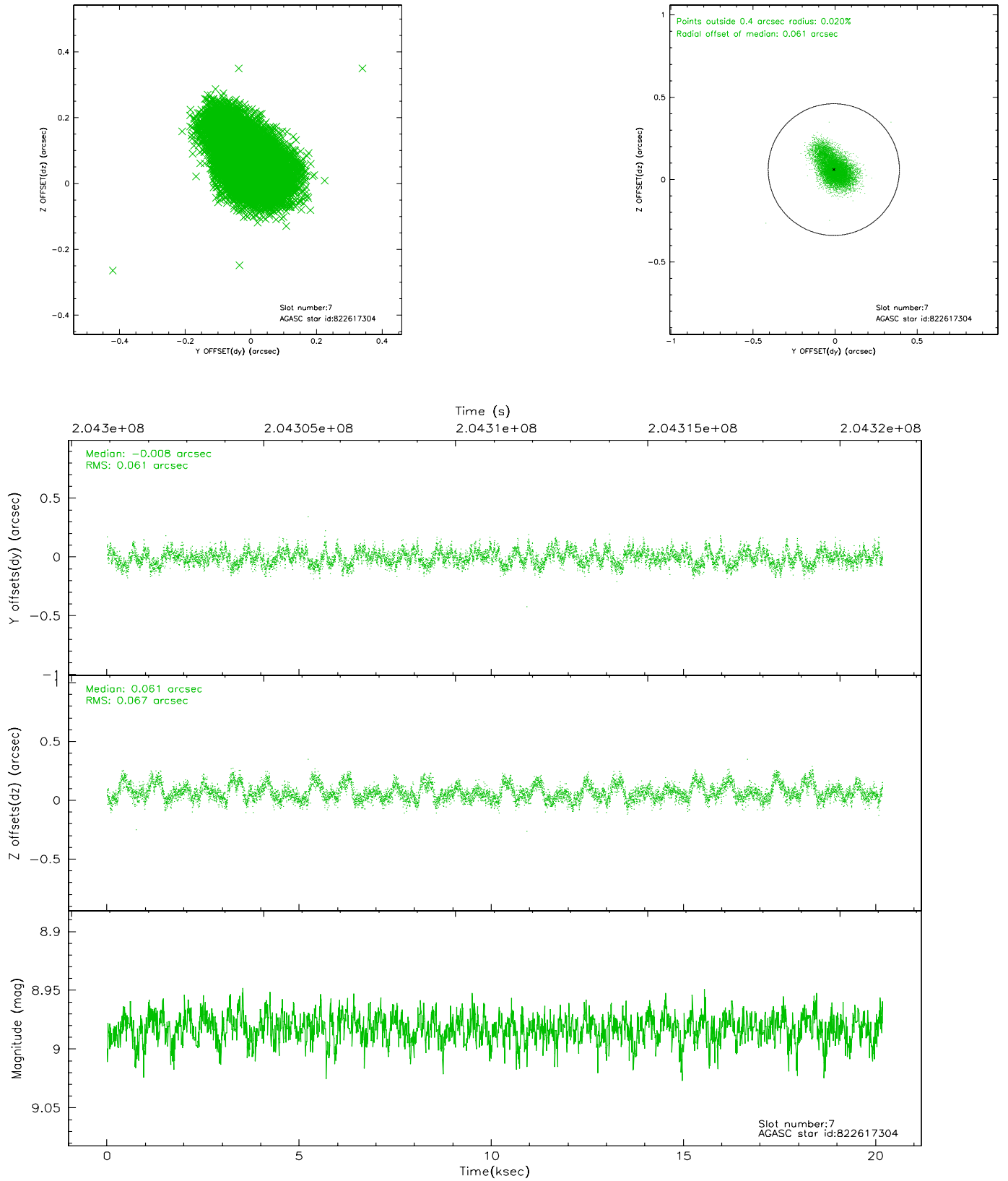
2.4.3 Slot 5



2.4.4 Slot 6

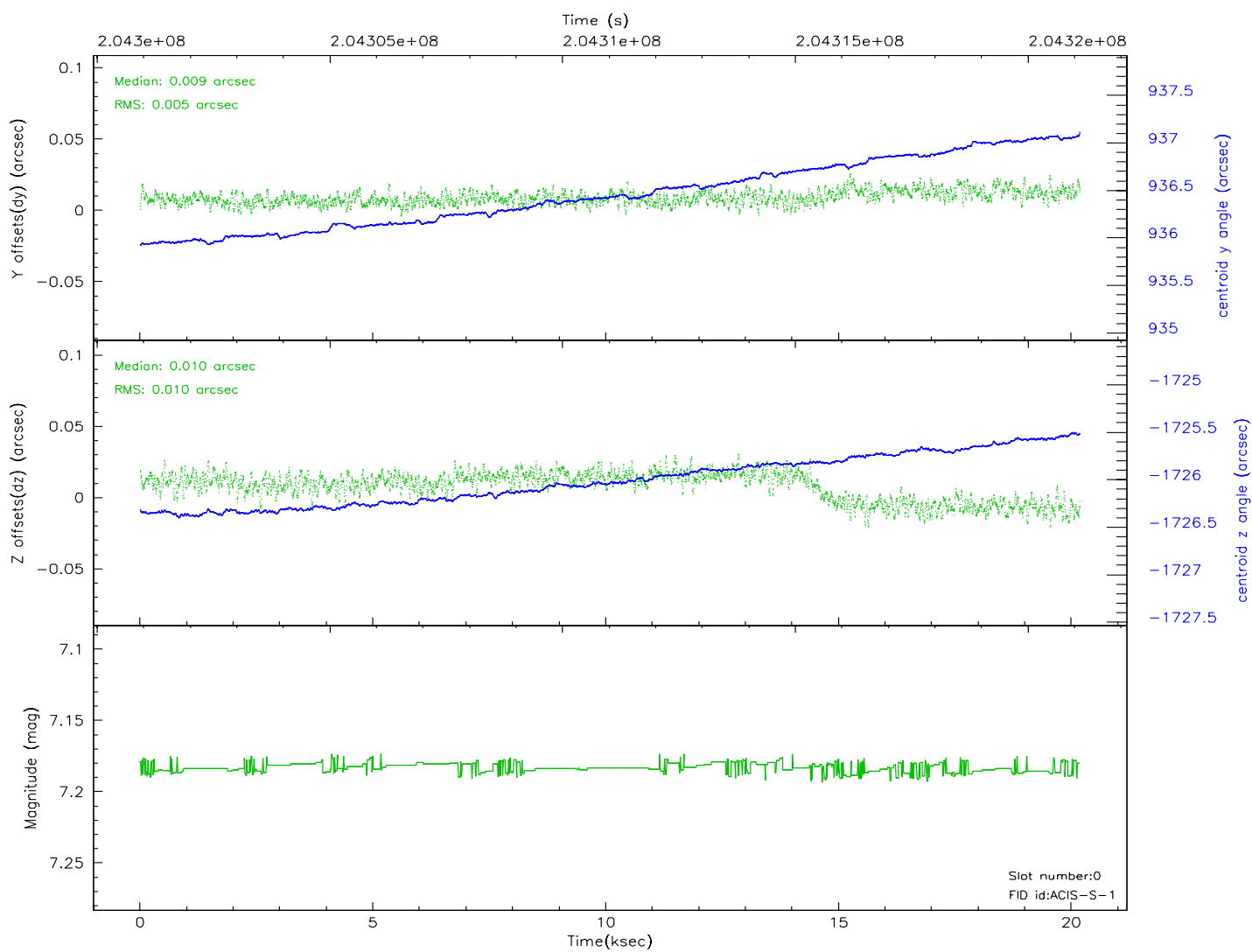
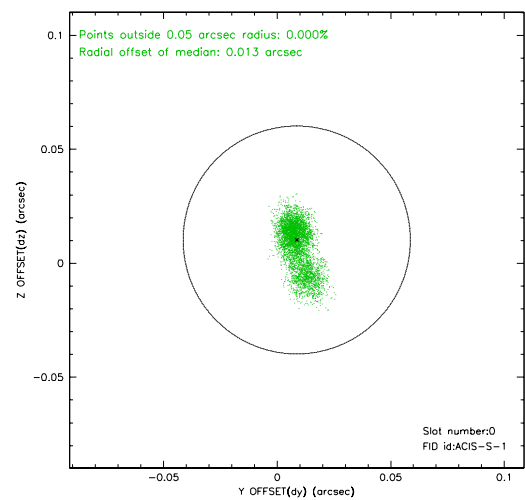
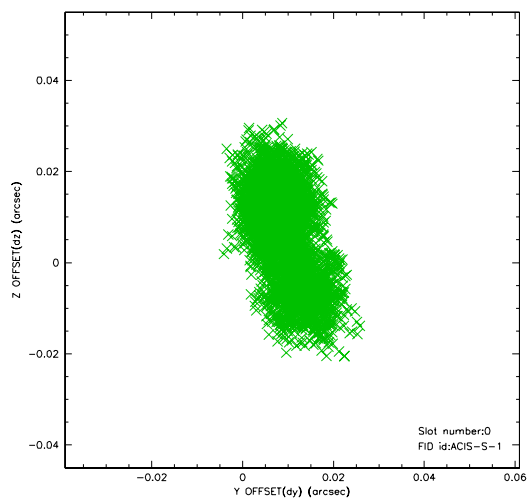


2.4.5 Slot 7

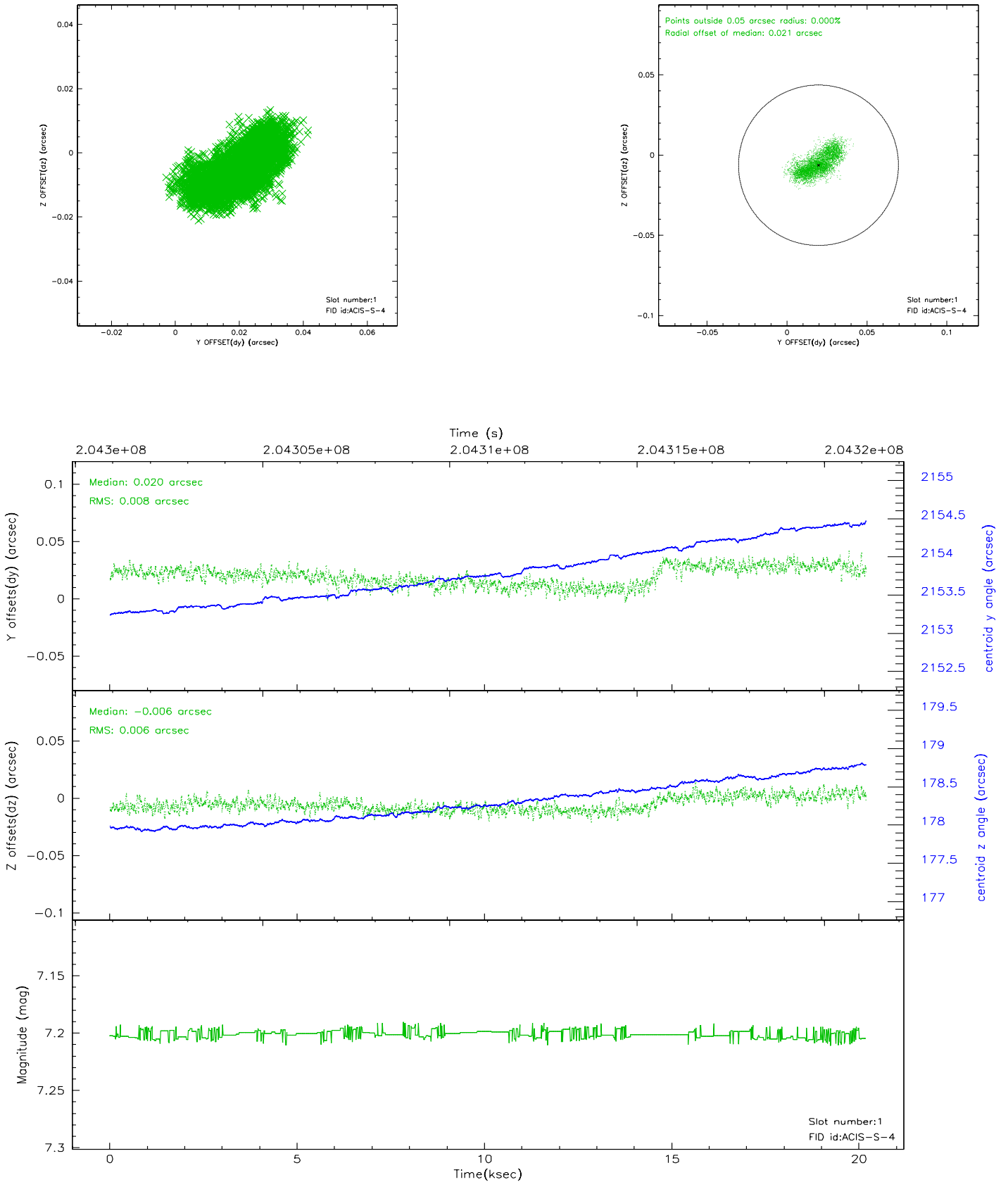


2.5 FID Slots

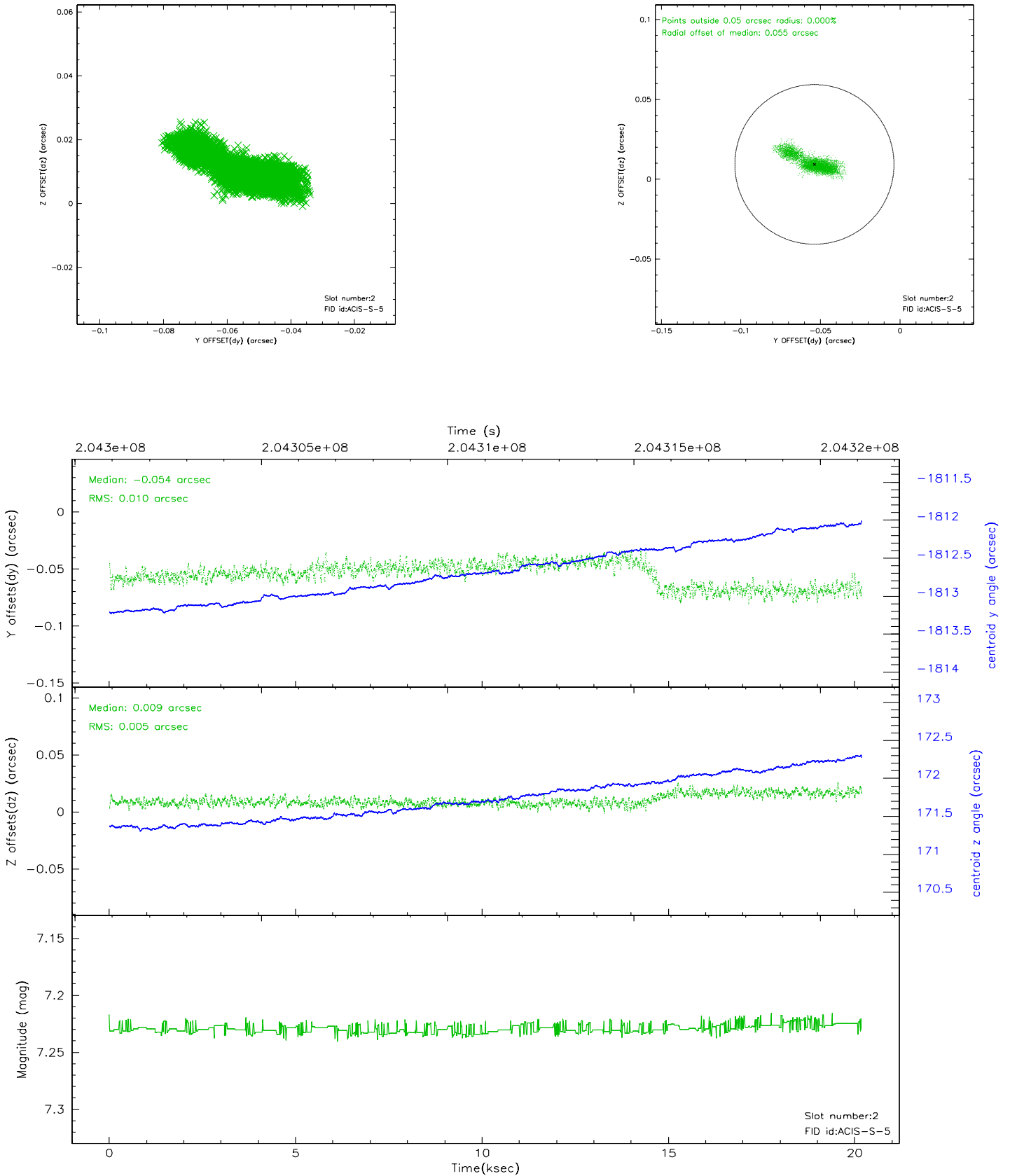
2.5.1 Slot 0



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)	2008.04.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.185

A.2 Comments