

V&V Reference Report

L2 ASCDS Version : 7.6.10

Observation 922 - L2 Version 001
Chandra X-Ray Center

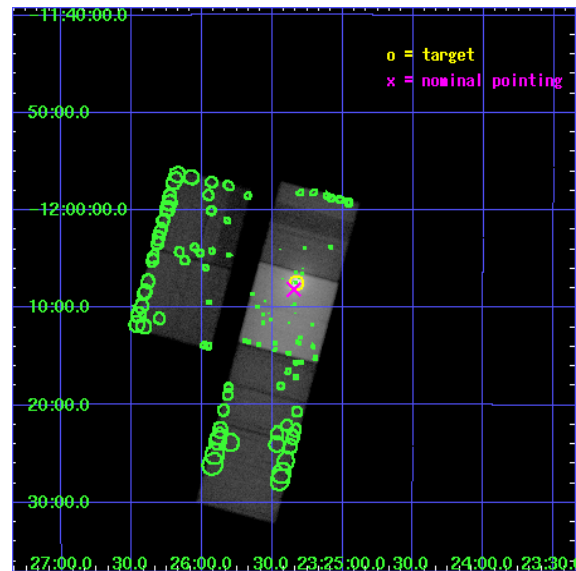
L2 Processing Date : Jun 1 2007

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
3	Point Sources	17
A	Summary	18
A.1	Status	18
A.2	Comments	18

1 Front

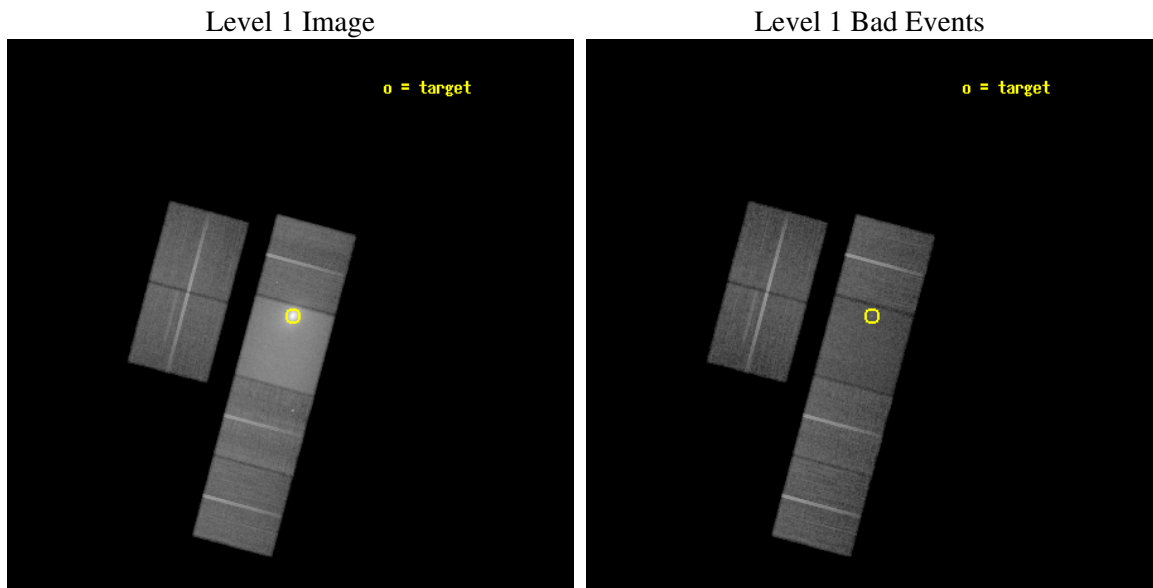
seq_num	800098
obs_id	922
title	ACIS IMAGING OF CLUSTER COOLING FLOWS WITH THE LARGEST STAR FORMATION RATES
observer	Prof. Brian McNamara
object	A2597
dtcycle	0
cycle	P
ra_targ	351.331667
dec_targ	-12.124278
ra_nom	351.33666527852
dec_nom	-12.135797737107
roll_nom	104.94987069338
revision	3
ontime	39852.065870389
livetime	39347.435016305
ontime2	39745.11479038
ontime3	39780.765761942
ontime6	39777.524941325
ontime7	39852.065870389
ontime8	39839.102996424
ontime9	39761.31973128
l2events	1111009



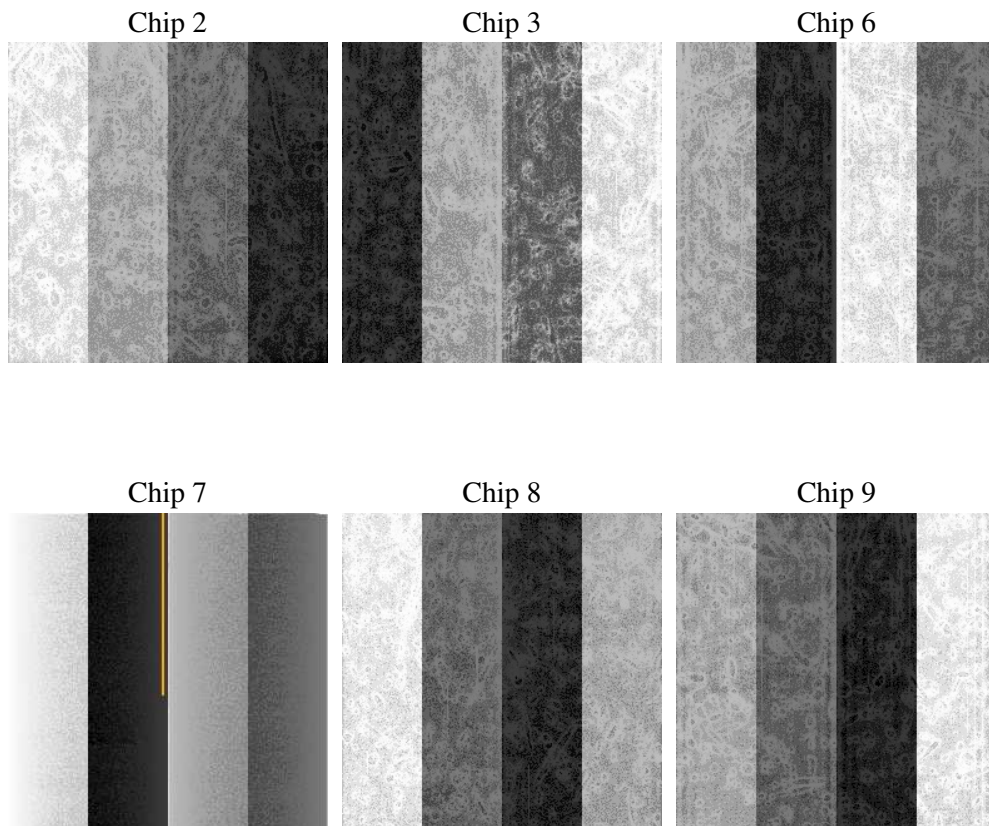
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.10
caldsver	3.4.0
date	2007-06-01T03:30:48
revision	3

sched_exp_time	40000.000000
ontime	39852.065870389
ontime2	39745.11479038
ontime3	39780.765761942
ontime6	39777.524941325
ontime7	39852.065870389
ontime8	39839.102996424
ontime9	39761.31973128
l1events	2438766

2.1.4 Events

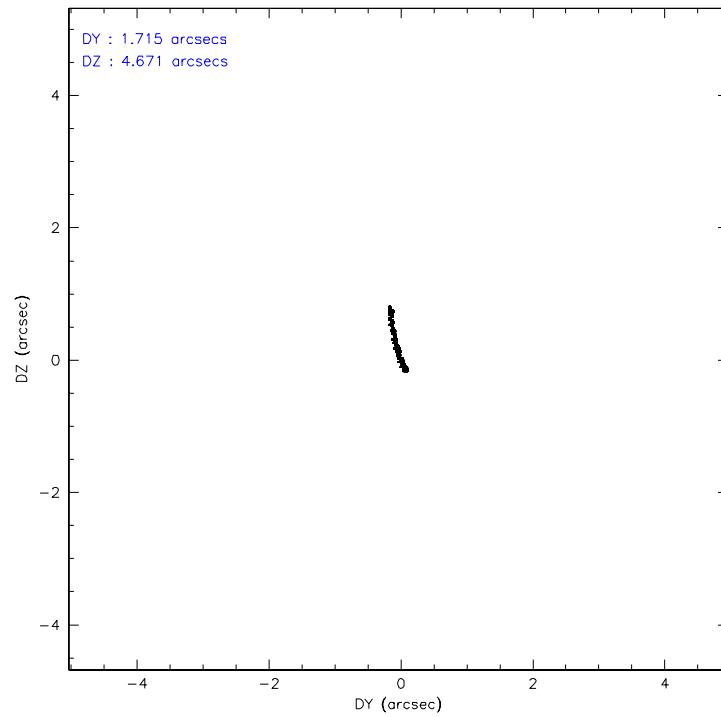
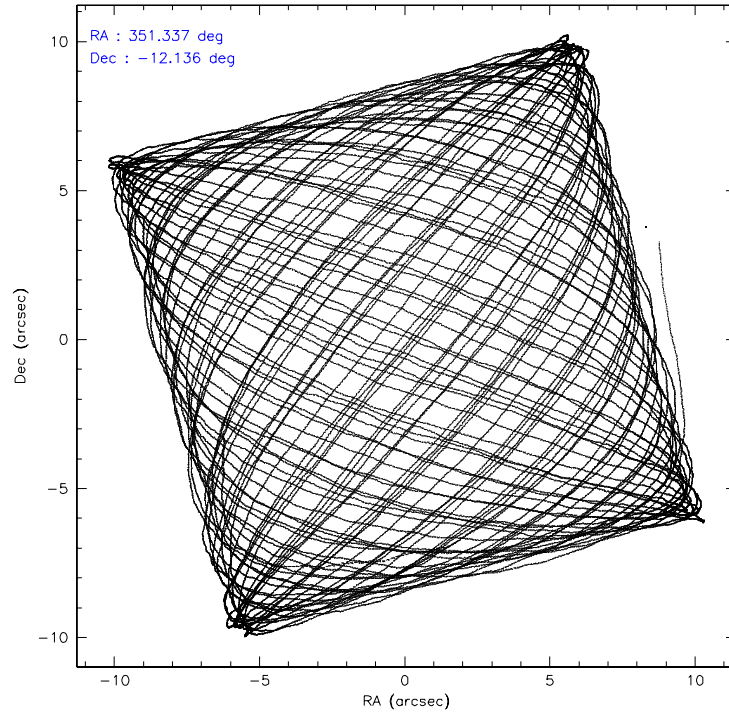
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	272729	272956	331067	872365	378509	311140
rejected events	205991	201527	215094	175367	233846	216436
rejected %	75%	73%	64%	20%	61%	69%

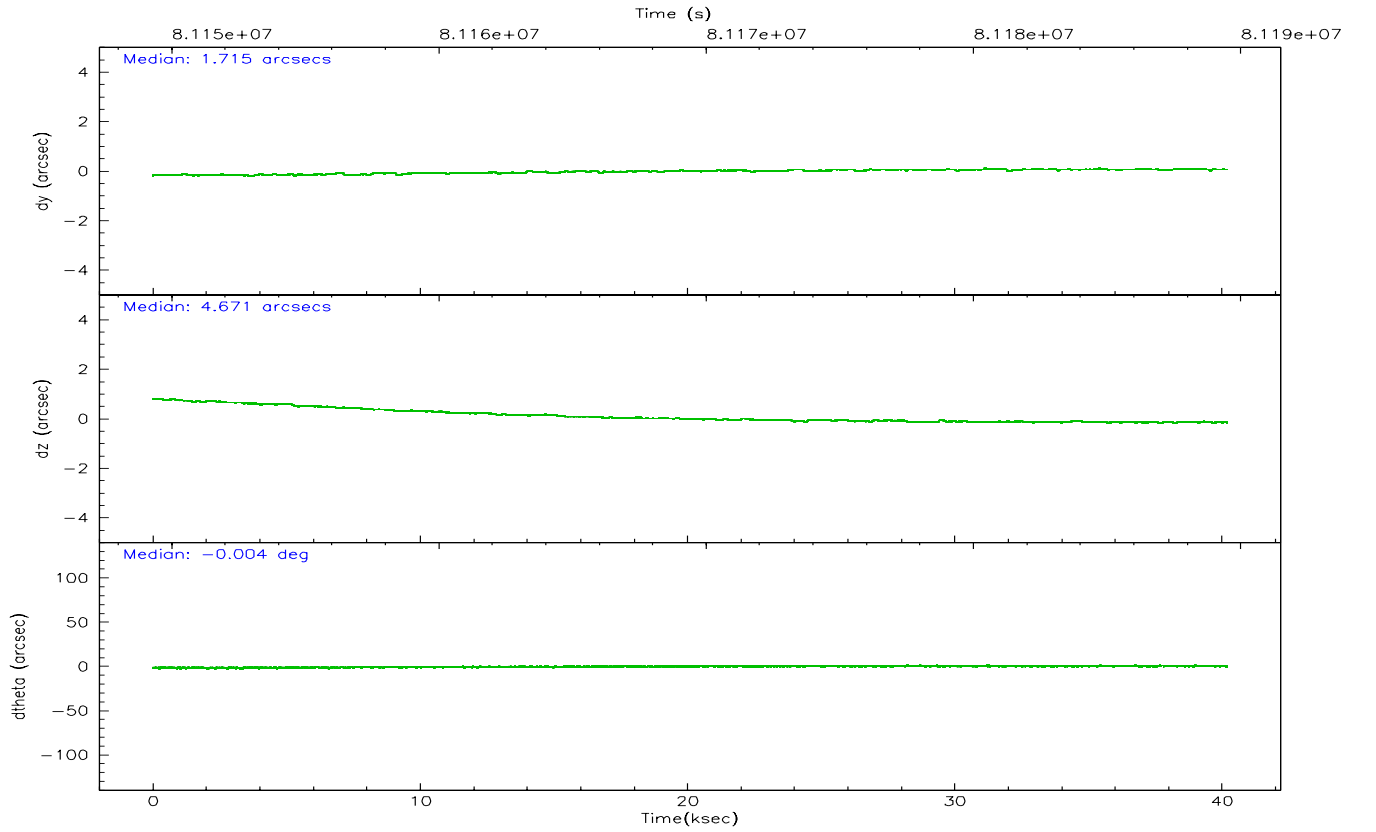
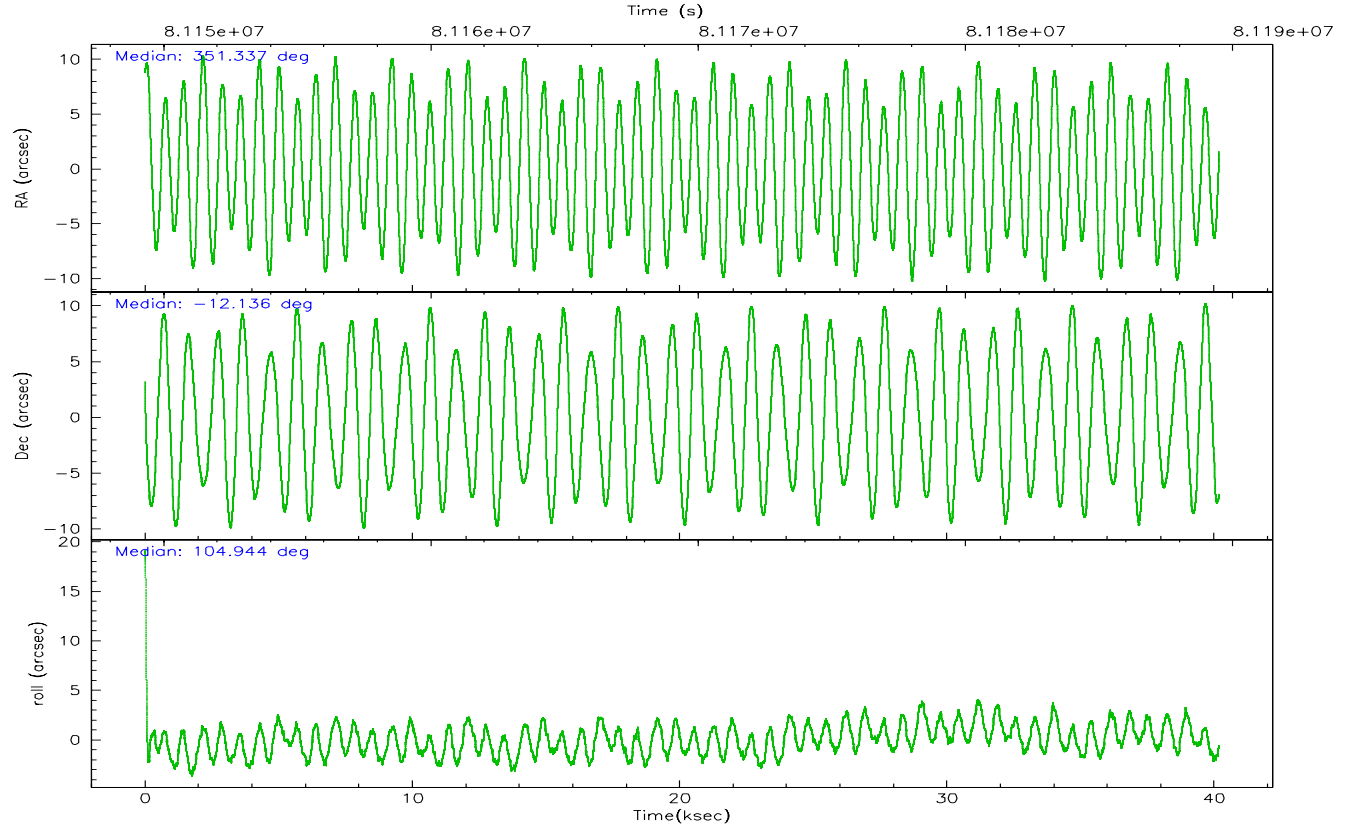
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	38715	41997	78851	116968	77364	58795
	14%	15%	23%	13%	20%	18%
grade 1 events	182	218	367	457	354	277
	0%	0%	0%	0%	0%	0%
grade 2 events	14735	16709	21044	141194	28608	21224
	5%	6%	6%	16%	7%	6%
grade 3 events	2869	3131	4014	62319	9510	3472
	1%	1%	1%	7%	2%	1%
grade 4 events	3131	3114	4078	61018	8889	3510
	1%	1%	1%	6%	2%	1%
grade 5 events	7132	8289	9246	30446	11760	9668
	2%	3%	2%	3%	3%	3%
grade 6 events	7291	6484	7994	315539	20293	7707
	2%	2%	2%	36%	5%	2%
grade 7 events	198674	193014	205473	144424	221731	206487
	72%	70%	62%	16%	58%	66%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-236789	ACIS-236789	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	351.356568	351.3366652785165	Subarray requested	NONE	NONE
Pointing Dec	-12.155086	-12.13579773710726	Alternating exposures requested	N	N
Pointing Roll	104.797422	104.9498706933759	Primary exposure time	3.200000	3.2
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	81149493.184000	81148427.639254			
Observation start date	2000-07-28T05:30:29	2000-07-28T05:13:47			
Observation end time	81189493.184000	81190338.865812			
Observation end date	2000-07-28T16:37:09	2000-07-28T16:52:18			
Read mode	TIMED	TIMED			

2.3 Aspect



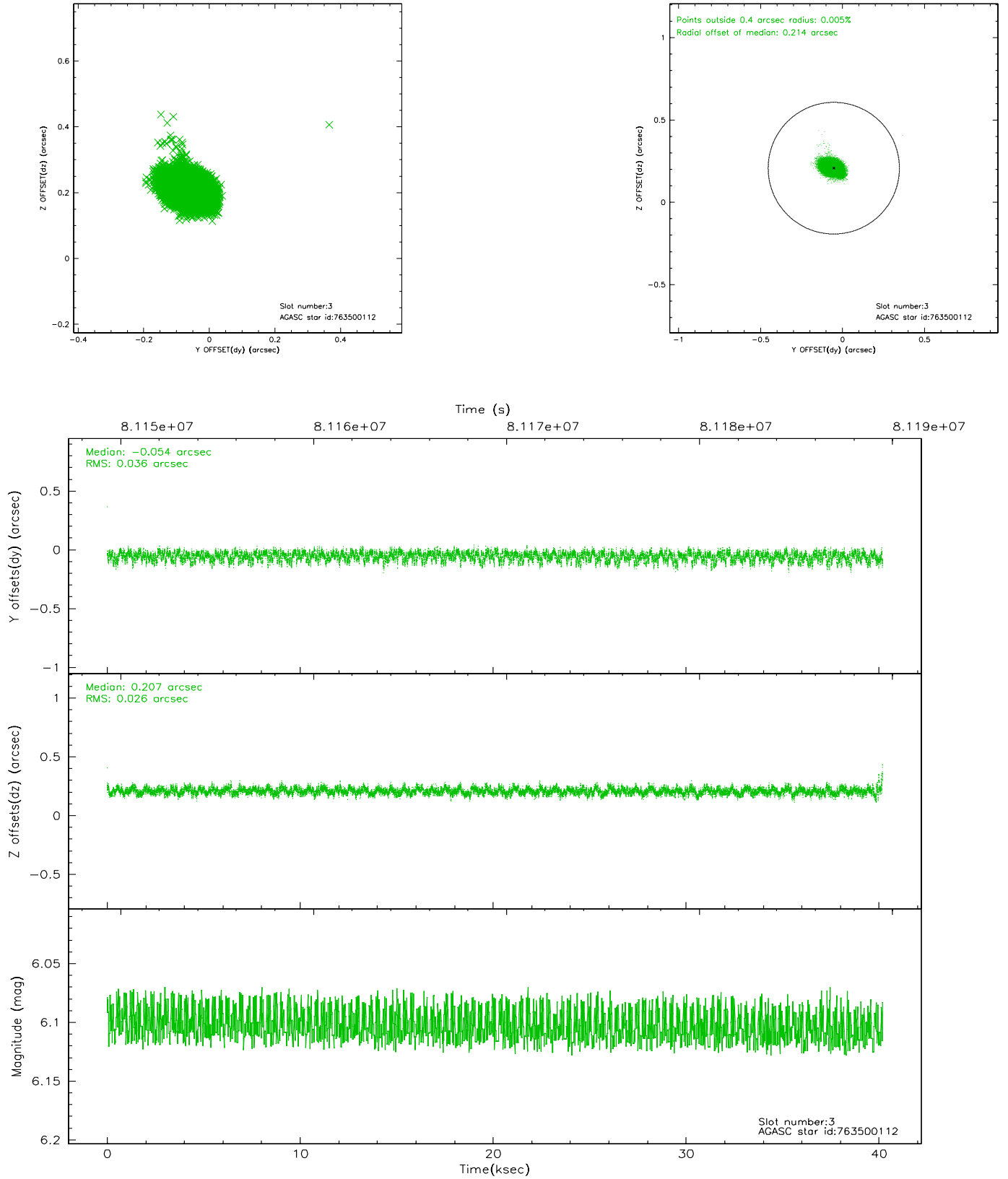


Slot Statistics

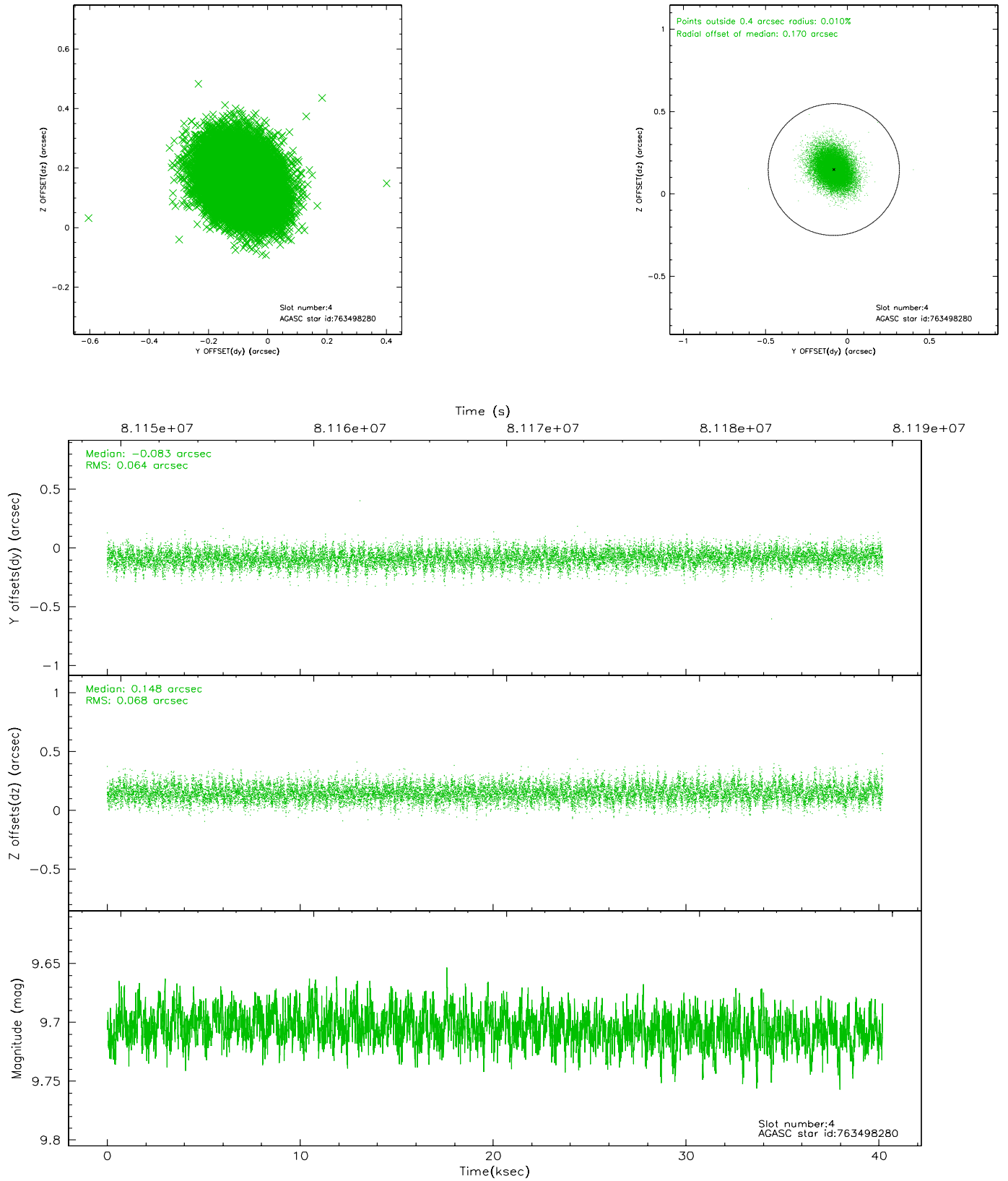
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	9801	-0.020	0.018	0.009	0.017	0.000000	0.000000	-754.32	-1725.88
1	FID	ACIS-S-4	7.21	9800	-0.055	0.005	0.005	0.009	0.000000	0.000000	2158.91	182.58
2	FID	ACIS-S-5	7.24	9800	0.043	-0.014	0.010	0.018	0.000000	0.000000	-1807.08	176.24
3	GUIDE	763500112	6.10	19602	-0.054	0.207	0.046	0.078	352.030274	-12.212329	-806.30	-2237.50
4	GUIDE	763498280	9.71	19585	-0.083	0.148	0.098	0.163	351.715548	-11.532836	1842.77	-1795.16
5	GUIDE	763502704	9.93	19594	0.036	0.094	0.111	0.180	351.449244	-11.609906	1815.31	-816.24
6	GUIDE	763498504	9.84	19588	-0.068	-0.207	0.091	0.150	351.252498	-11.852907	1146.41	77.39
7	GUIDE	763888952	9.02	19596	0.170	-0.244	0.075	0.125	351.077405	-12.782990	-1934.56	1525.48

2.4 Star Slots

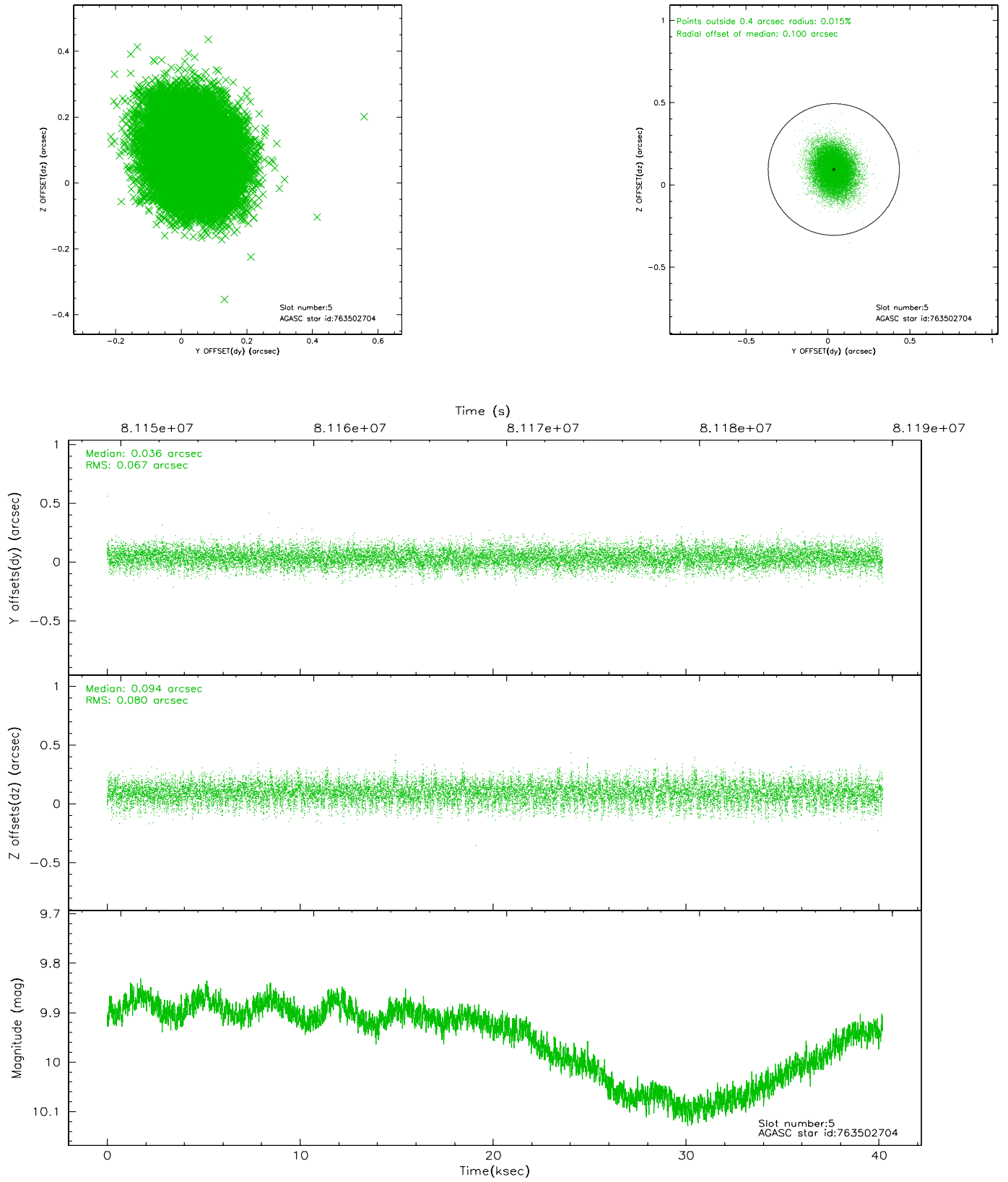
2.4.1 Slot 3



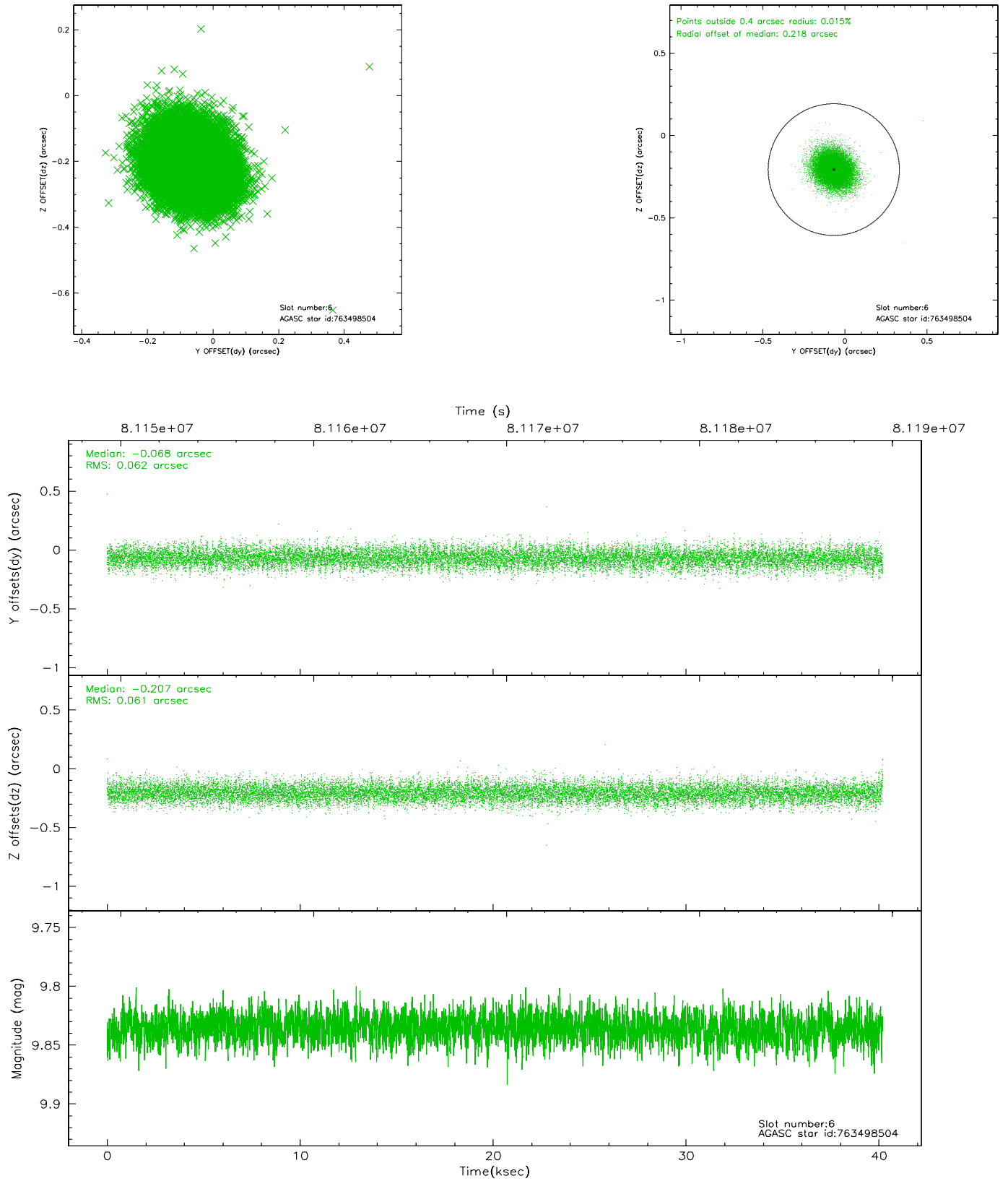
2.4.2 Slot 4



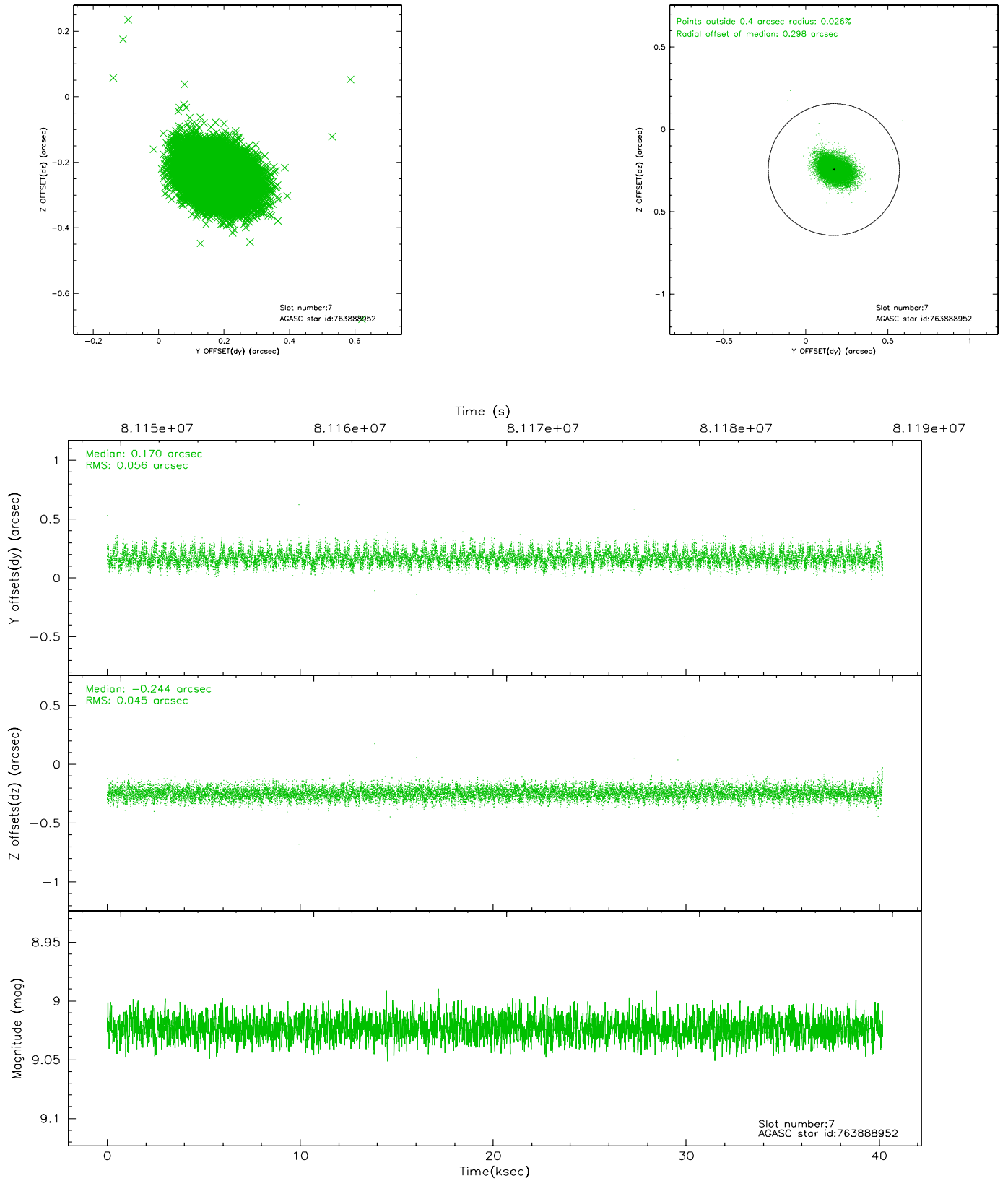
2.4.3 Slot 5



2.4.4 Slot 6

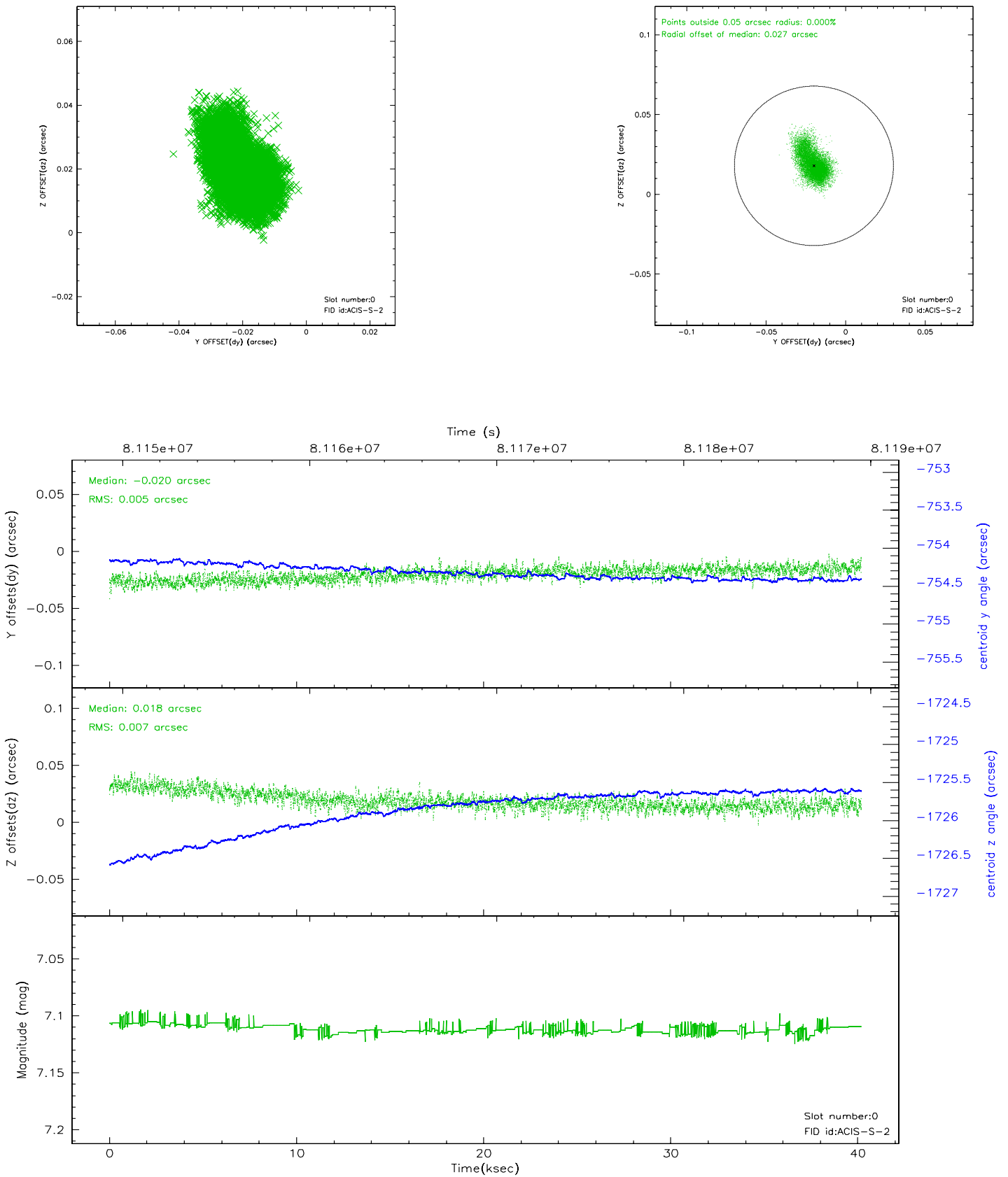


2.4.5 Slot 7

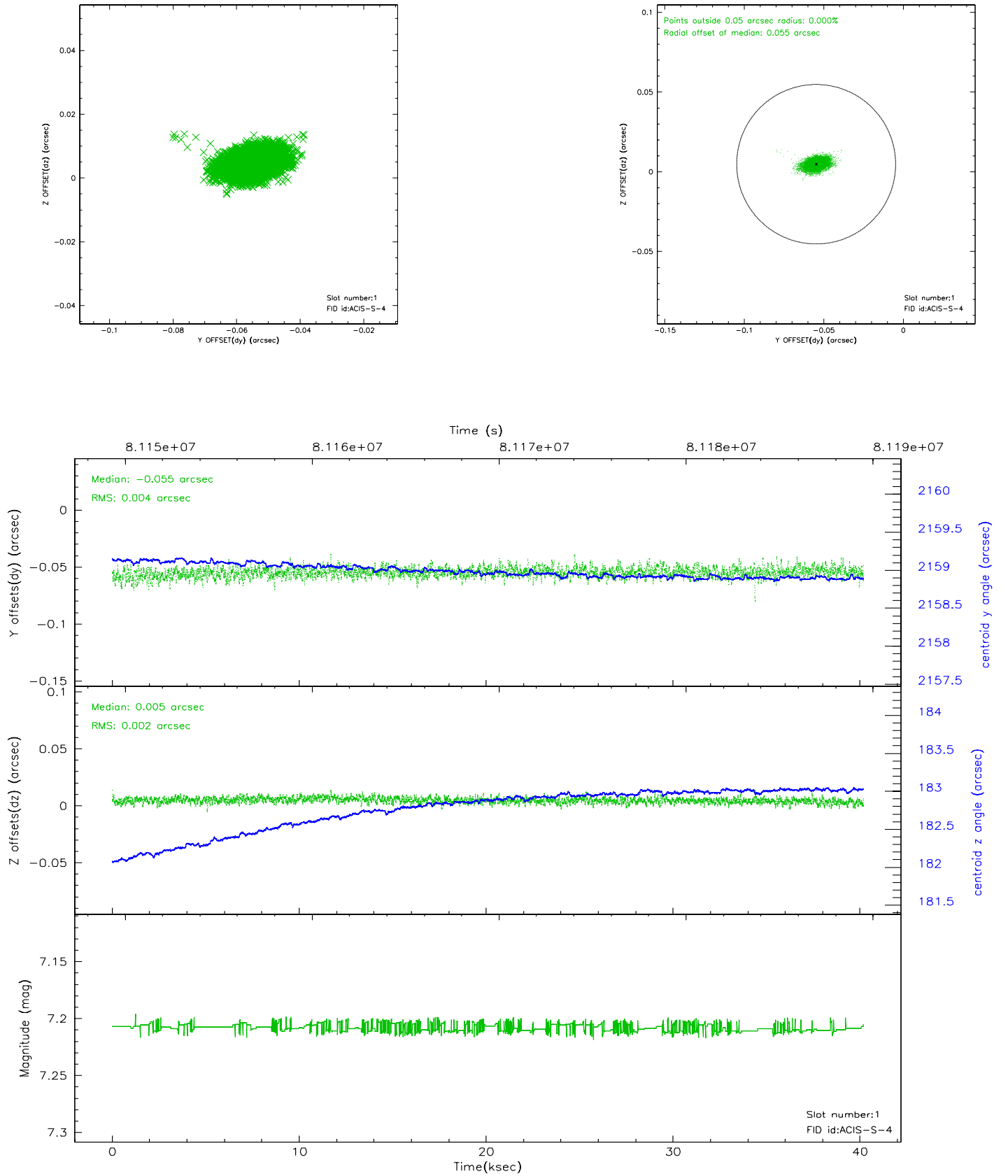


2.5 FID Slots

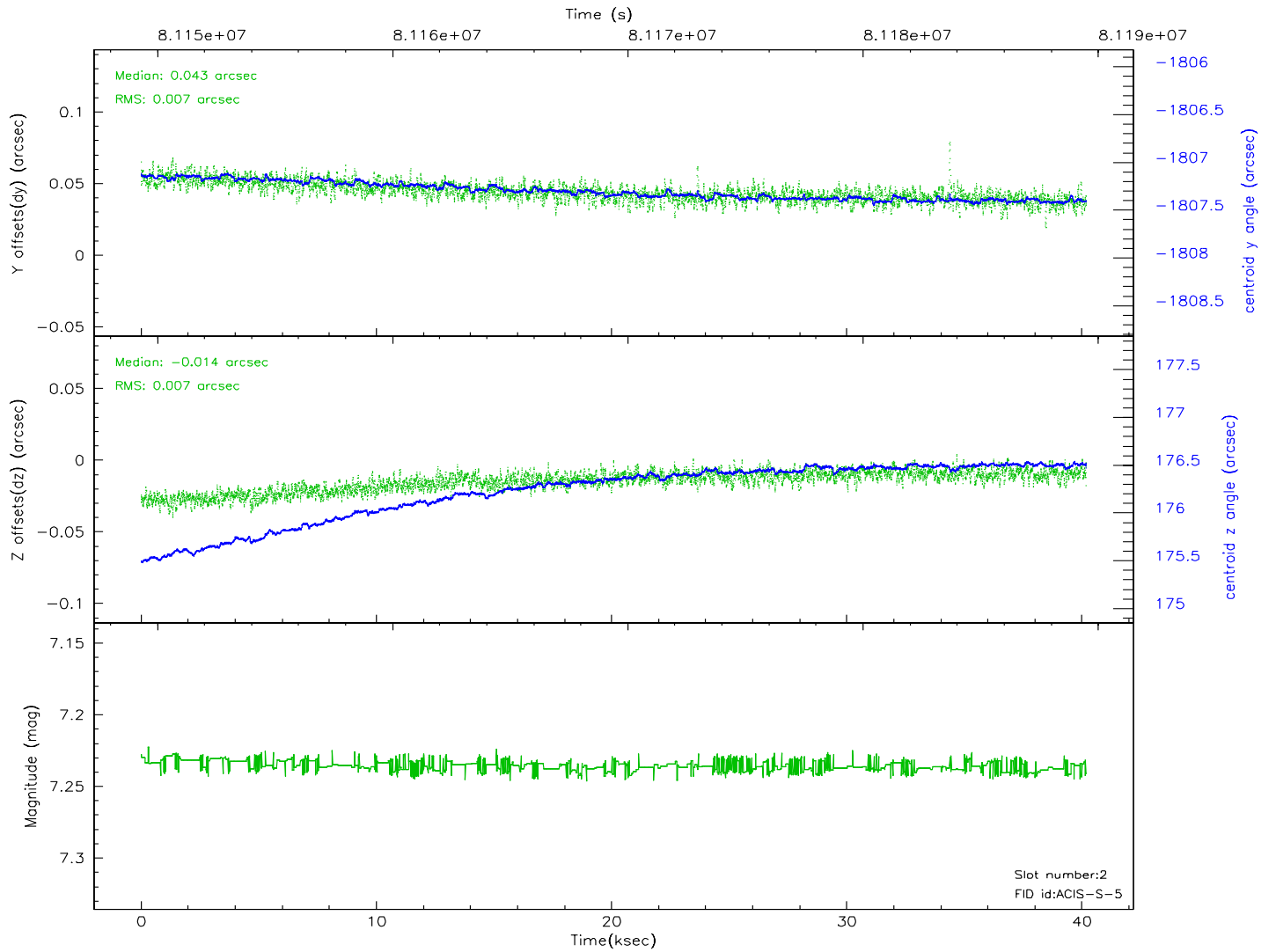
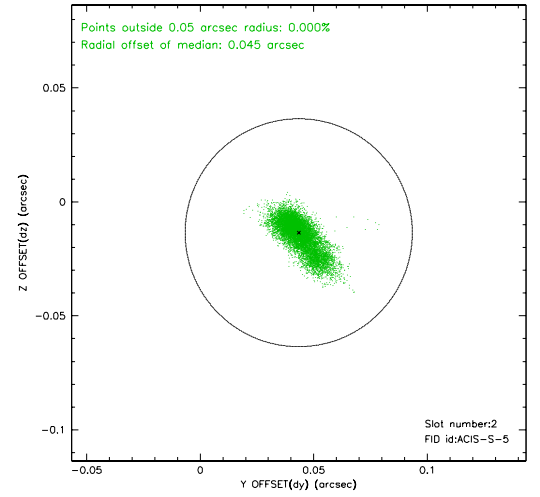
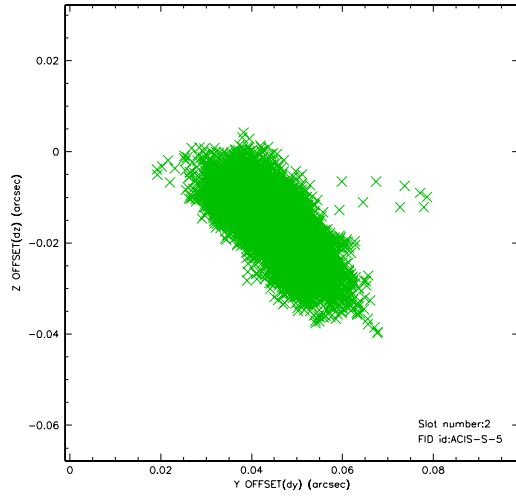
2.5.1 Slot 0



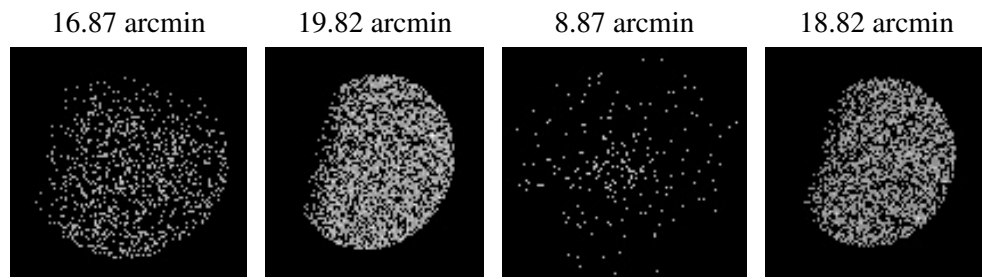
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2007.06.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	39.859

A.2 Comments