

V&V Reference Report

L2 ASCDS Version : 7.6.7.1

Observation 5411 - L2 Version 002
Chandra X-Ray Center

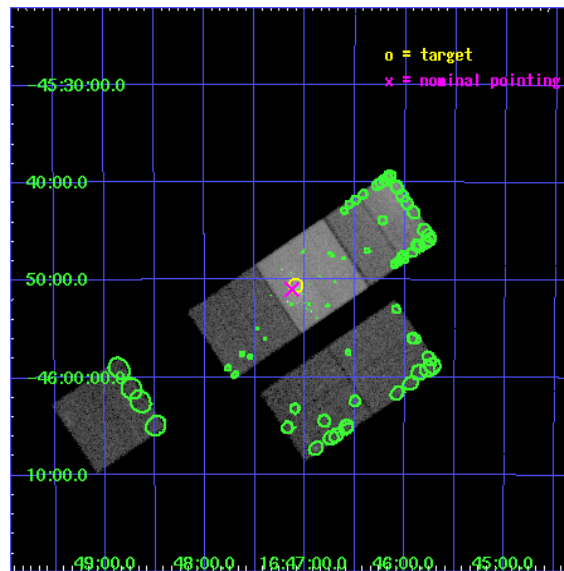
L2 Processing Date : Mar 10 2006

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

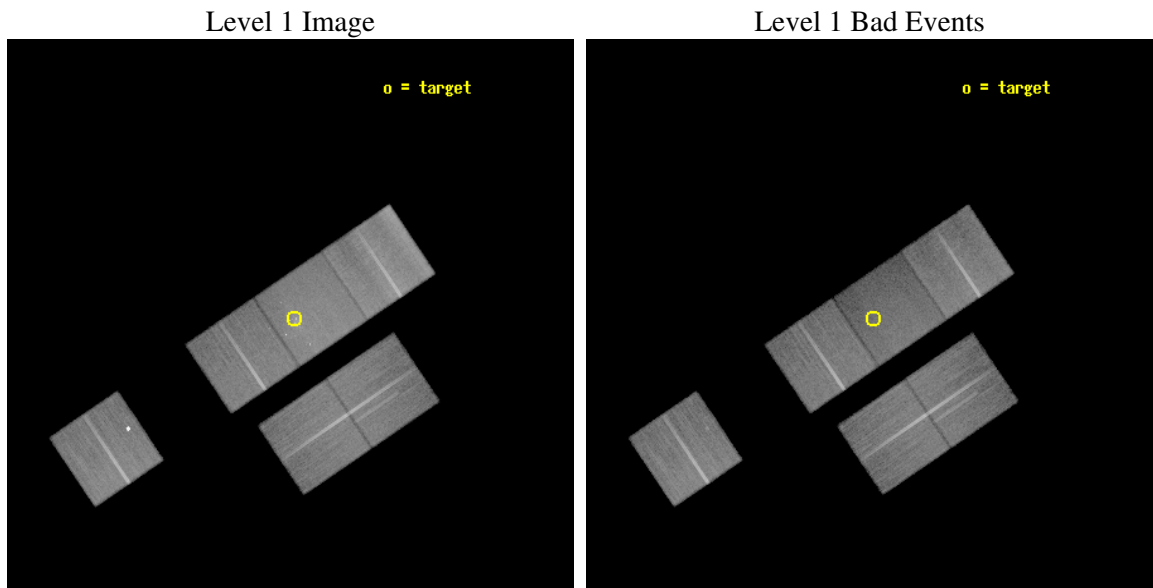
seq_num	200344
obs_id	5411
title	A Rich Population of Massive Young Stars in the Cluster Westerlund 1
observer	Dr. Stephen Skinner
object	Westerlund1
dtcycle	0
cycle	P
ra_targ	251.7725
dec_targ	-45.843528
ra_nom	251.7824327616
dec_nom	-45.850259054687
roll_nom	325.88125943381
revision	2
ontime	38966.399854839
livetime	38472.983837128
ontime2	38963.158864558
ontime3	38966.399854839
ontime4	38963.158884555
ontime6	38966.399854839
ontime7	38966.399854839
ontime8	38966.399854839
l2events	322765



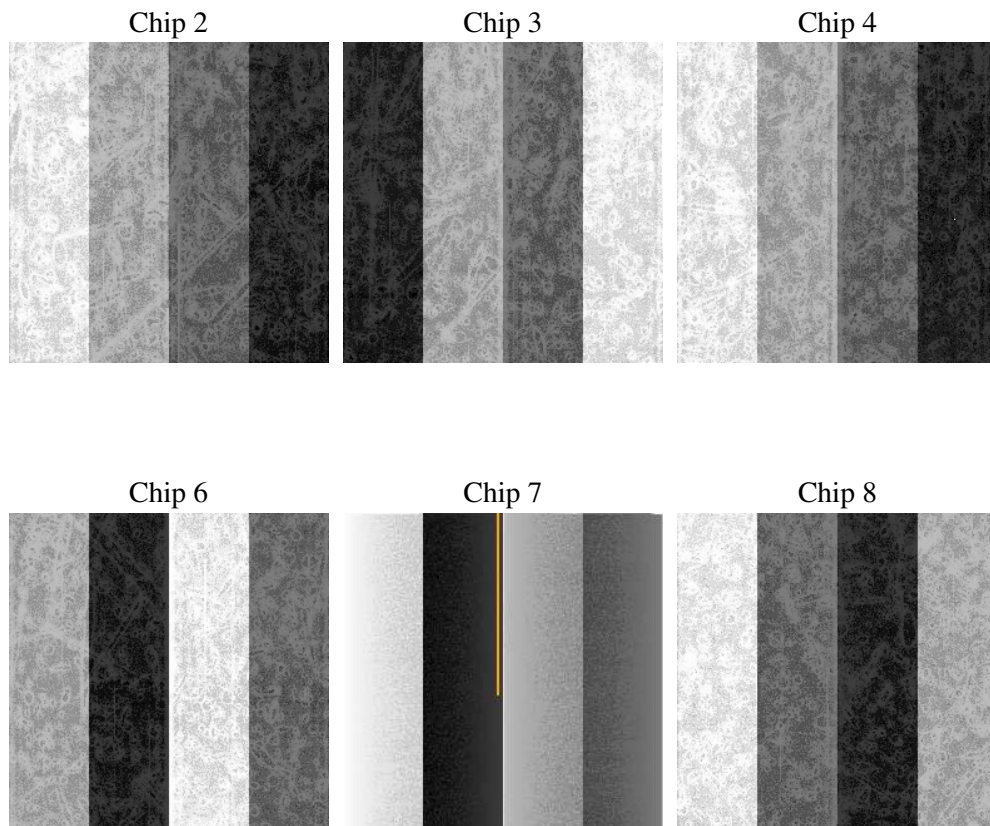
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	2
ascdsver	7.6.7.1
caldsver	3.2.1
date	2006-03-10T15:54:00
revision	2

sched_exp_time	38787.489000
ontime	39699.14684239
ontime2	39695.905852109
ontime3	39699.146832496
ontime4	39695.905862212
ontime6	39699.146832496
ontime7	39699.14684239
ontime8	39699.146832496
l1events	1769912

2.1.4 Events

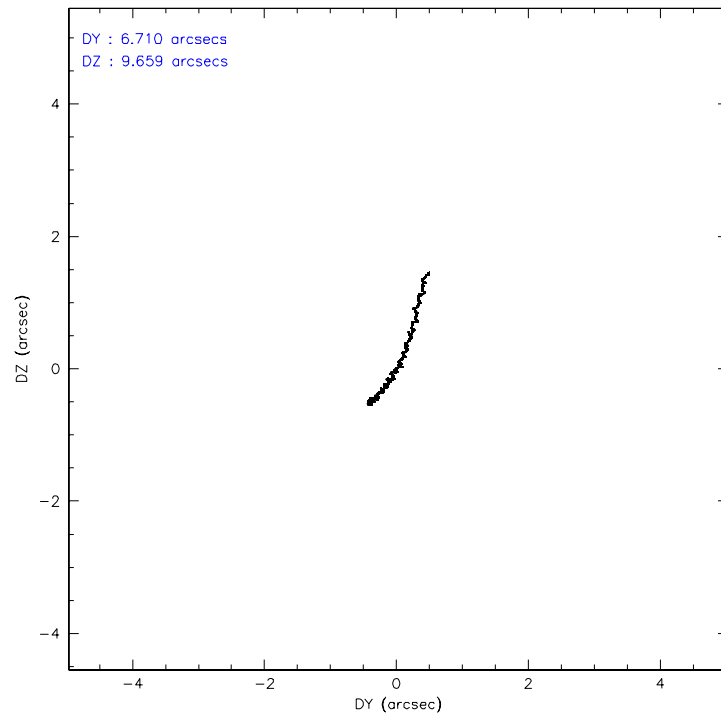
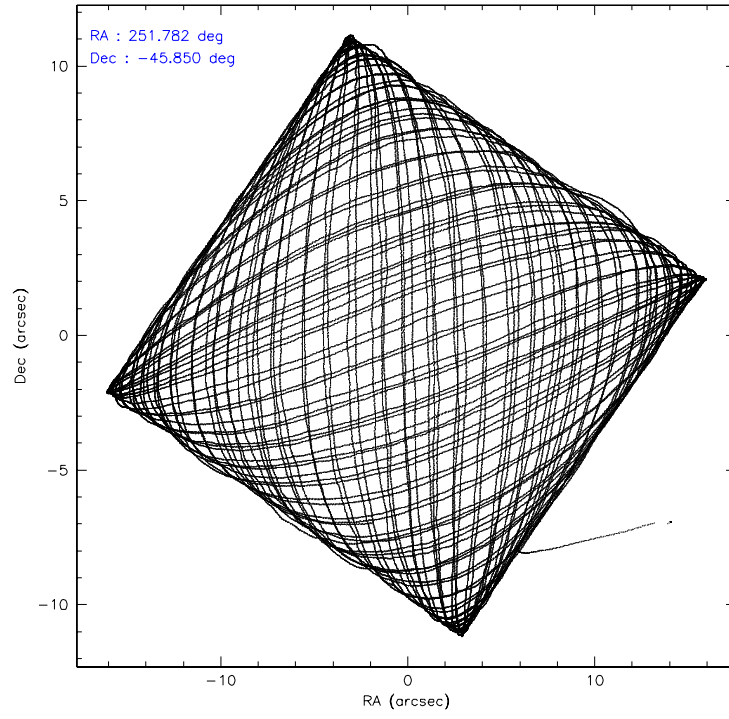
	ccd 2	ccd 3	ccd 4	ccd 6	ccd 7	ccd 8
level 1 events	265063	251264	300723	262675	311063	379124
rejected events	235891	219644	261064	229779	166803	247550
rejected %	88%	87%	86%	87%	53%	65%

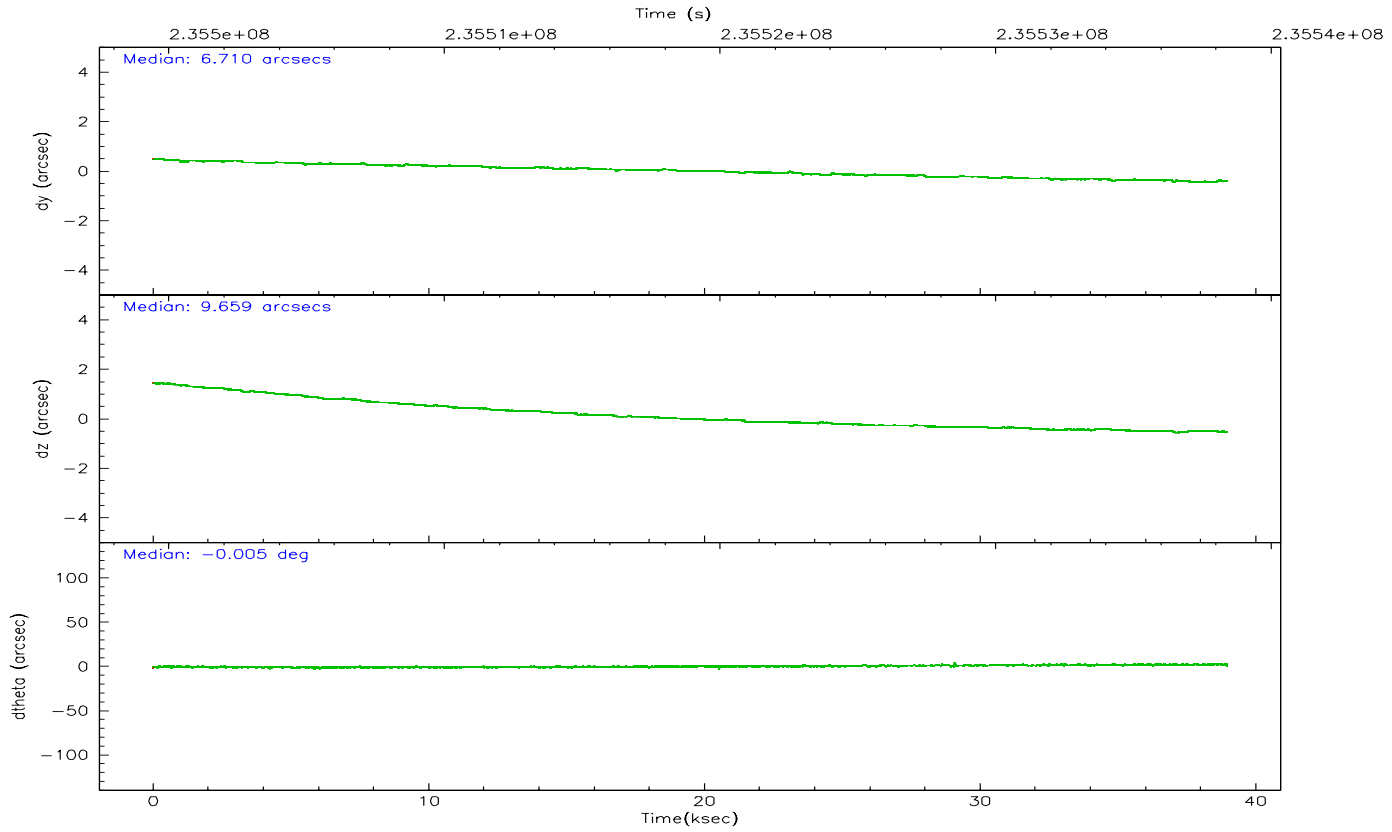
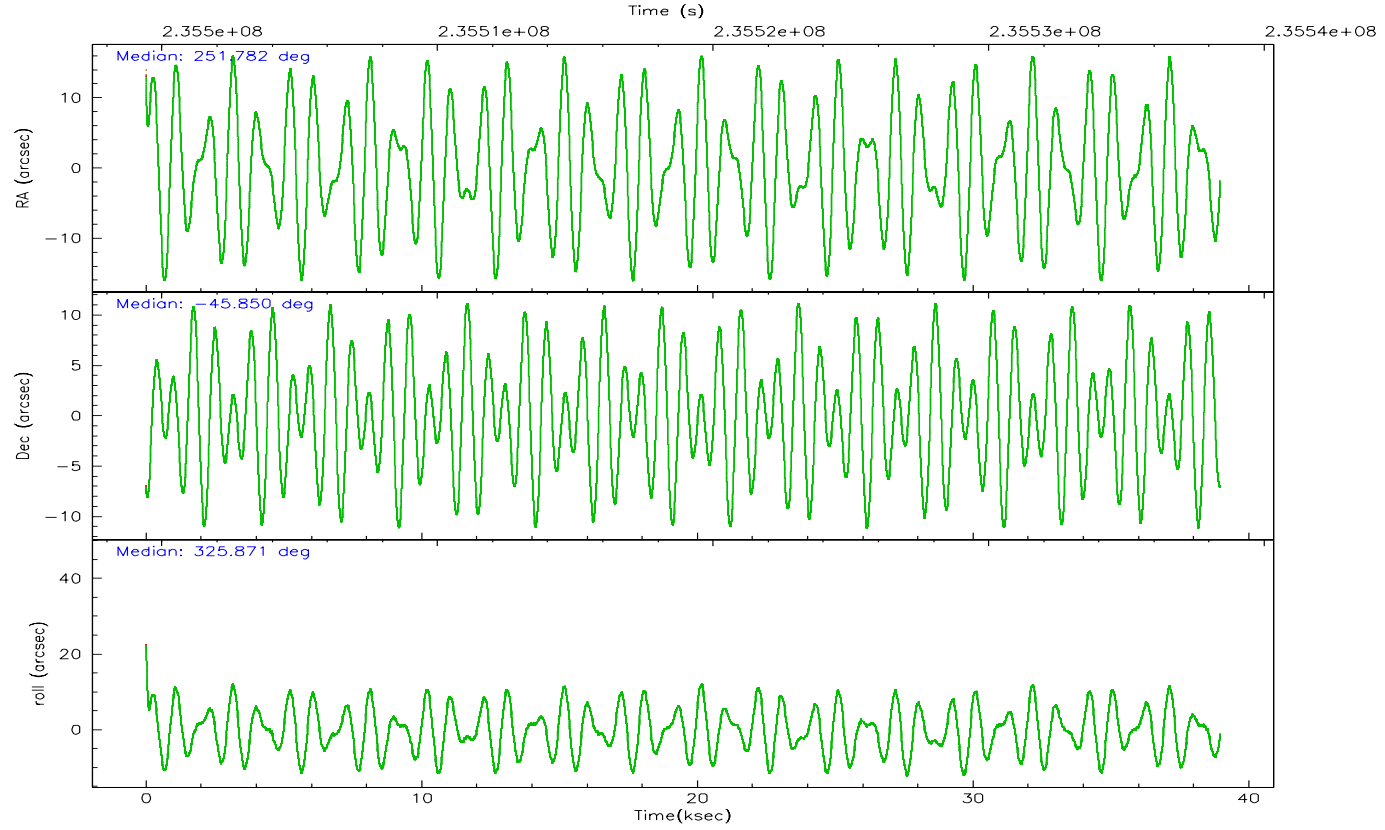
	ccd 2	ccd 3	ccd 4	ccd 6	ccd 7	ccd 8
grade 0 events	13031	14720	23792	15861	12239	68605
	4%	5%	7%	6%	3%	18%
grade 1 events	153	161	335	282	159	965
	0%	0%	0%	0%	0%	0%
grade 2 events	6326	6110	6780	6776	37819	25055
	2%	2%	2%	2%	12%	6%
grade 3 events	2836	2999	3076	3218	9546	10919
	1%	1%	1%	1%	3%	2%
grade 4 events	2895	3118	3018	3248	9452	10318
	1%	1%	1%	1%	3%	2%
grade 5 events	7943	9770	9673	10170	21268	15230
	2%	3%	3%	3%	6%	4%
grade 6 events	4641	5225	4683	6092	79555	23197
	1%	2%	1%	2%	25%	6%
grade 7 events	227238	209161	249366	217028	141025	224835
	85%	83%	82%	82%	45%	59%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-234678	ACIS-234678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	251.743420	251.7824327616028	Alternating exposures requested	N	N
Pointing Dec	-45.848676	-45.8502590546867	Primary exposure time	0.000000	3.2
Pointing Roll	325.696634	325.8812594338061			
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-190.132523	-190.1425803651734			
SIM translation stage offset (mm)	0	0.01005778216563158			
Observation start time	235499607.184000	235498170.2983			
Observation start date	2005-06-18T16:32:23	2005-06-18T16:09:30			
Observation end time	235538394.184000	235538618.33765			
Observation end date	2005-06-19T03:18:50	2005-06-19T03:23:38			
Read mode	TIMED	TIMED			

2.3 Aspect



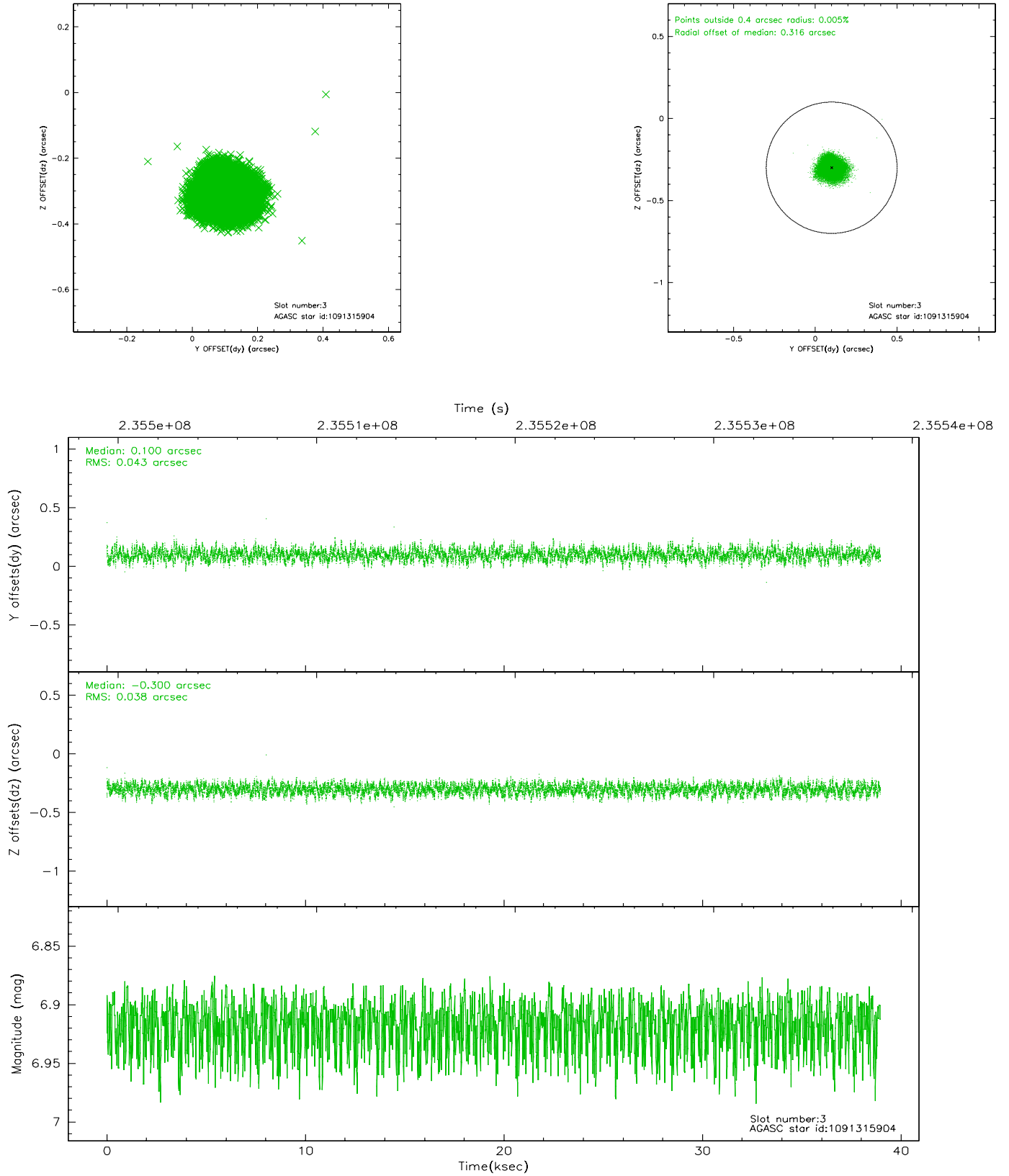


Slot Statistics

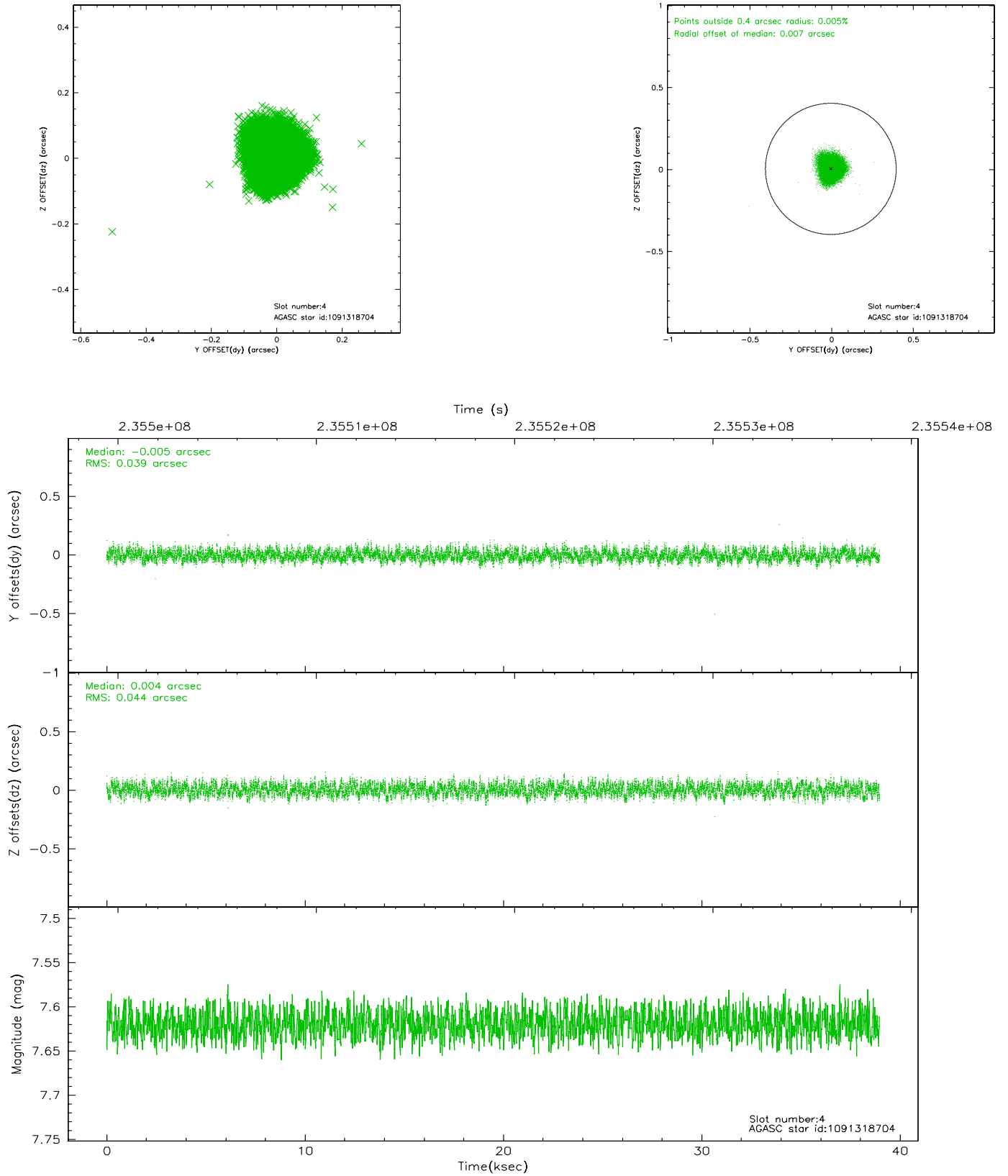
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	9506	-0.052	-0.025	0.007	0.014	0.000000	0.000000	-759.49	-1731.04
1	FID	ACIS-S-4	7.21	9506	0.041	0.033	0.011	0.018	0.000000	0.000000	2153.85	177.51
2	FID	ACIS-S-6	7.35	9506	-0.016	0.000	0.014	0.022	0.000000	0.000000	402.53	814.88
3	GUIDE	1091315904	6.92	19010	0.100	-0.300	0.062	0.096	252.023077	-45.944918	774.58	107.20
4	GUIDE	1091318704	7.62	19008	-0.005	0.004	0.063	0.096	251.955714	-45.390313	-486.21	1664.97
5	GUIDE	1091321136	8.53	19005	-0.046	0.035	0.059	0.098	252.629031	-45.865288	1874.46	1192.15
6	GUIDE	1091321752	6.96	18943	-0.024	0.142	0.048	0.079	251.516776	-46.486101	830.39	-2212.50
7	GUIDE	1091343368	6.92	19010	-0.036	0.125	0.060	0.109	251.526552	-46.531998	943.92	-2335.34

2.4 Star Slots

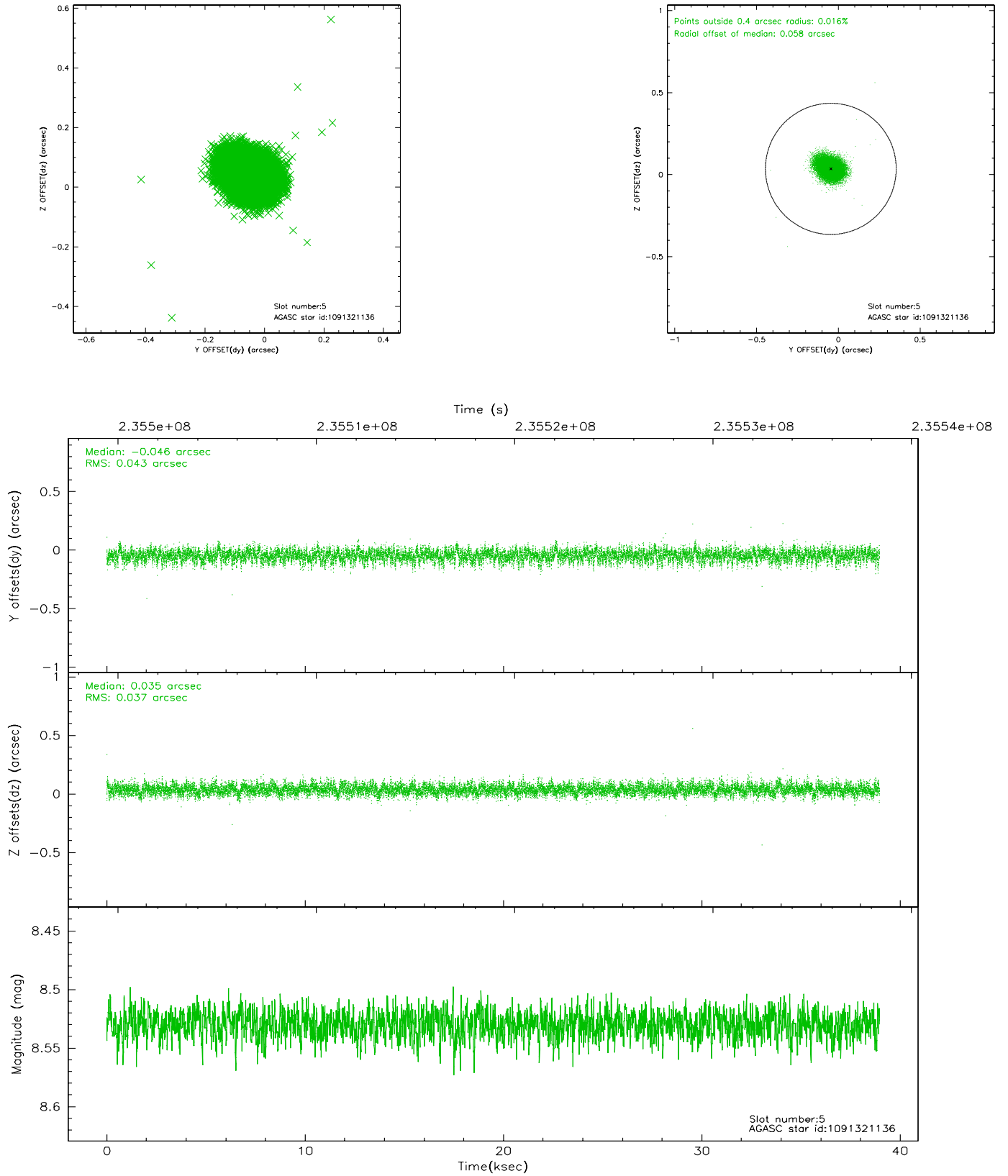
2.4.1 Slot 3



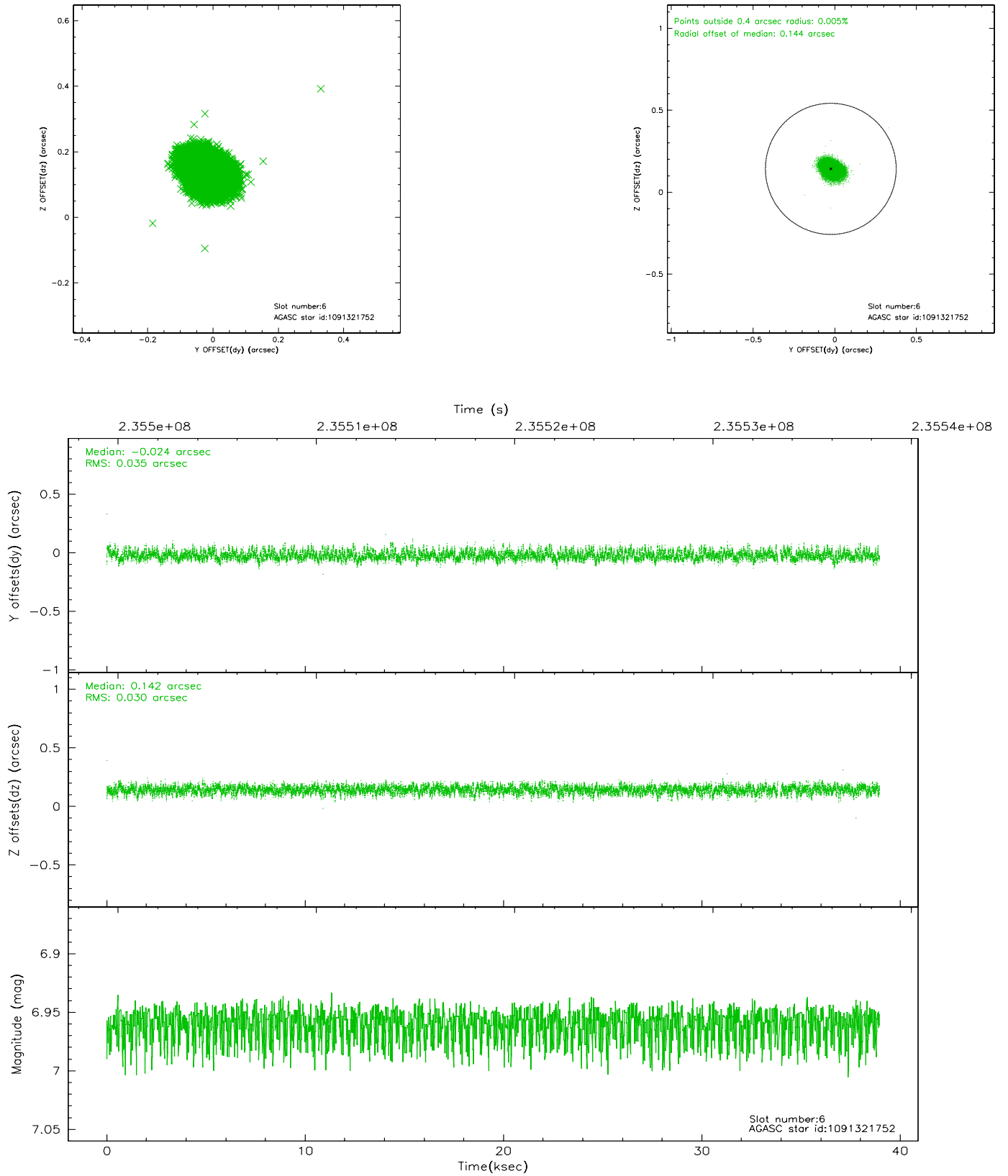
2.4.2 Slot 4



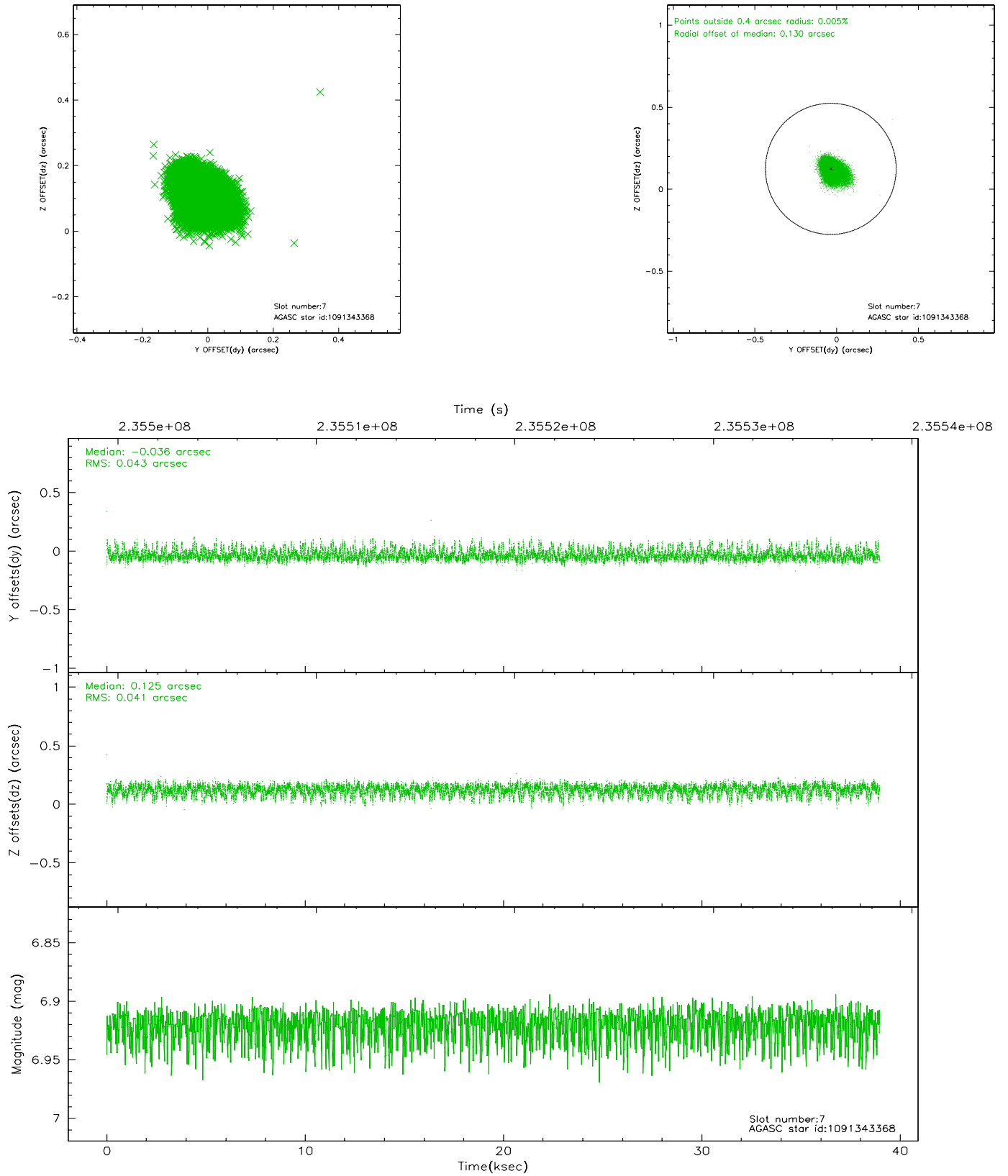
2.4.3 Slot 5



2.4.4 Slot 6

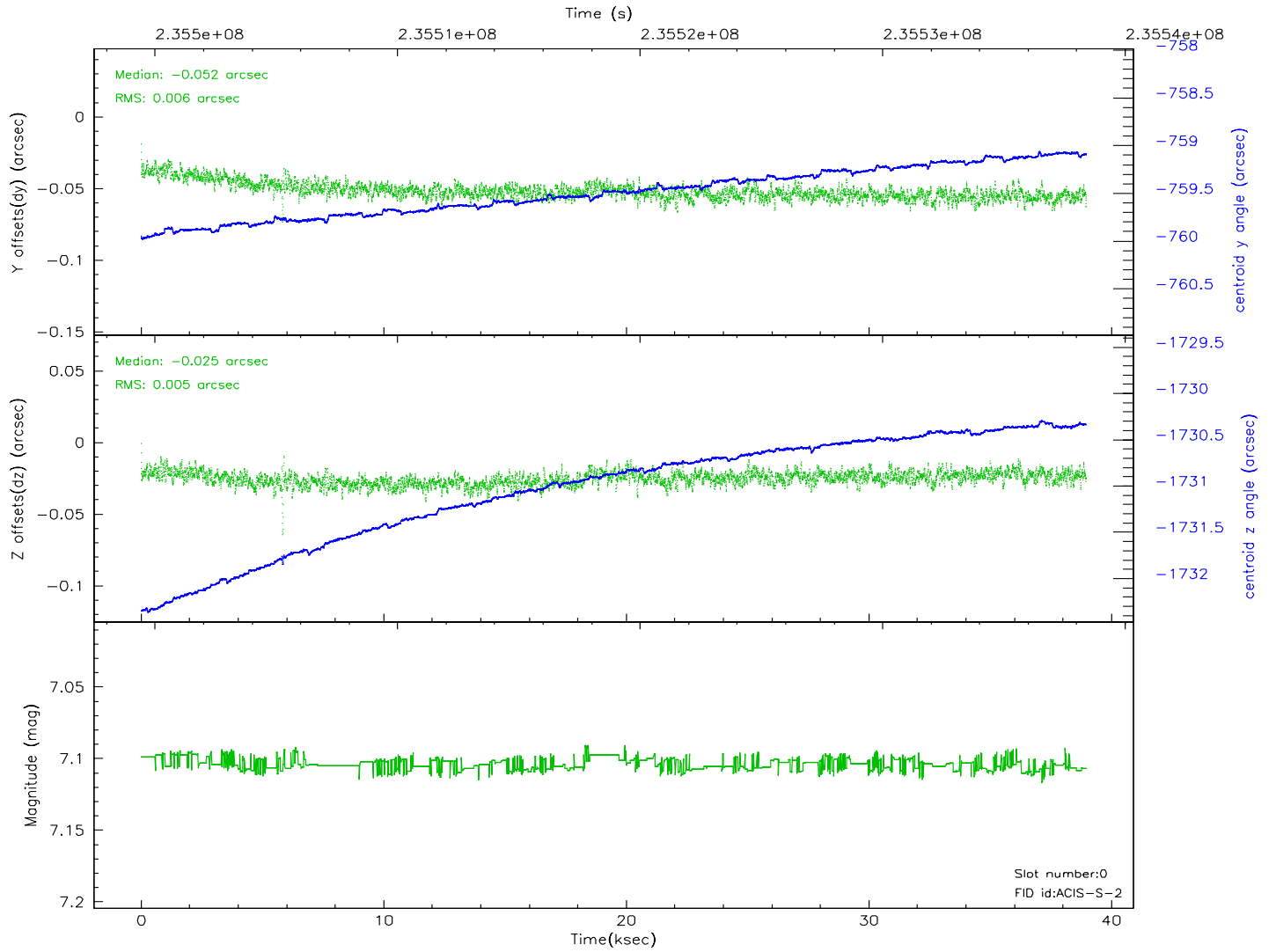
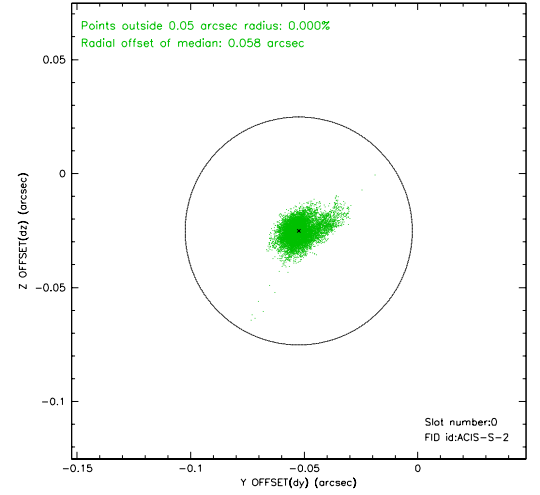
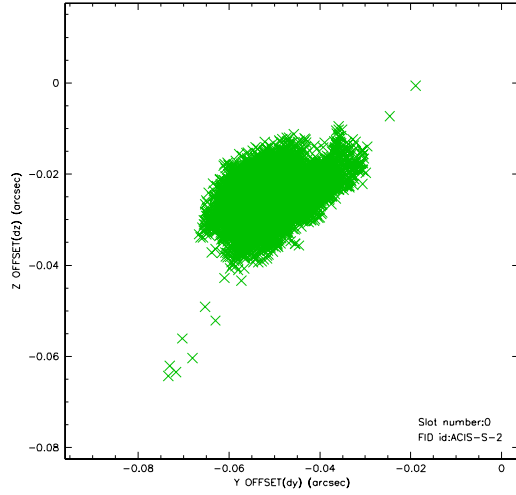


2.4.5 Slot 7

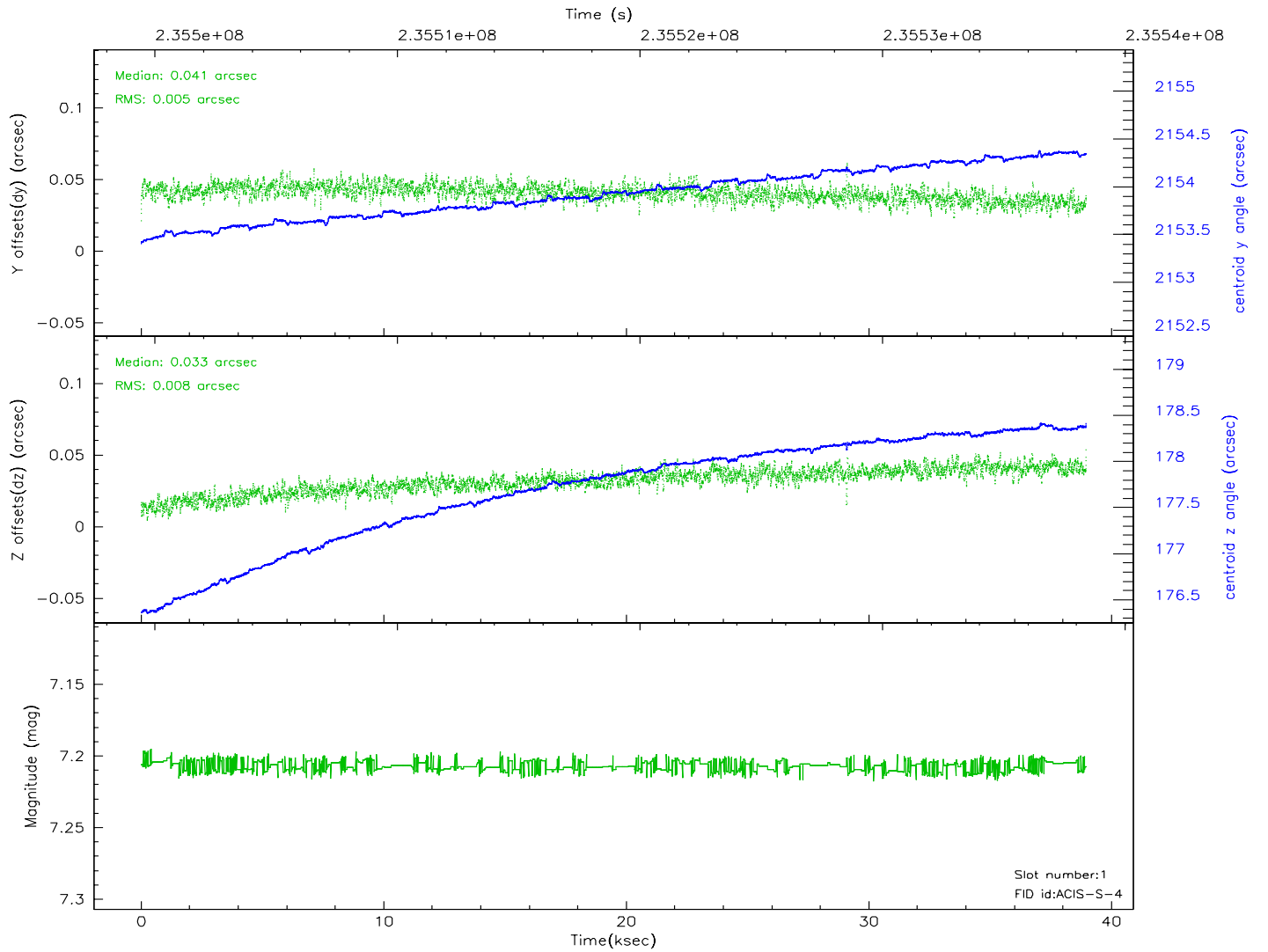
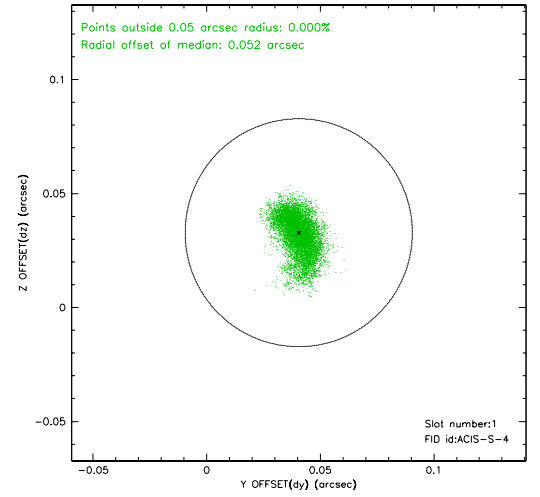
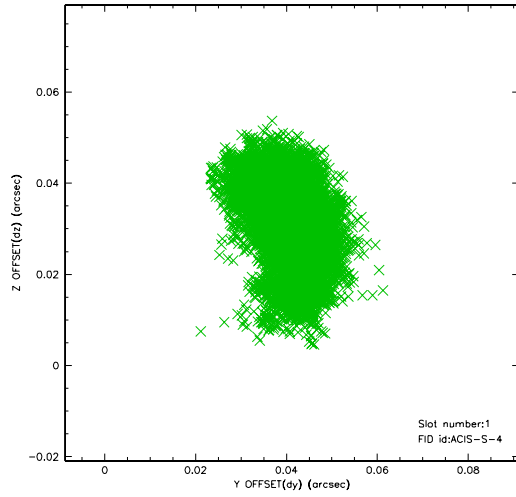


2.5 FID Slots

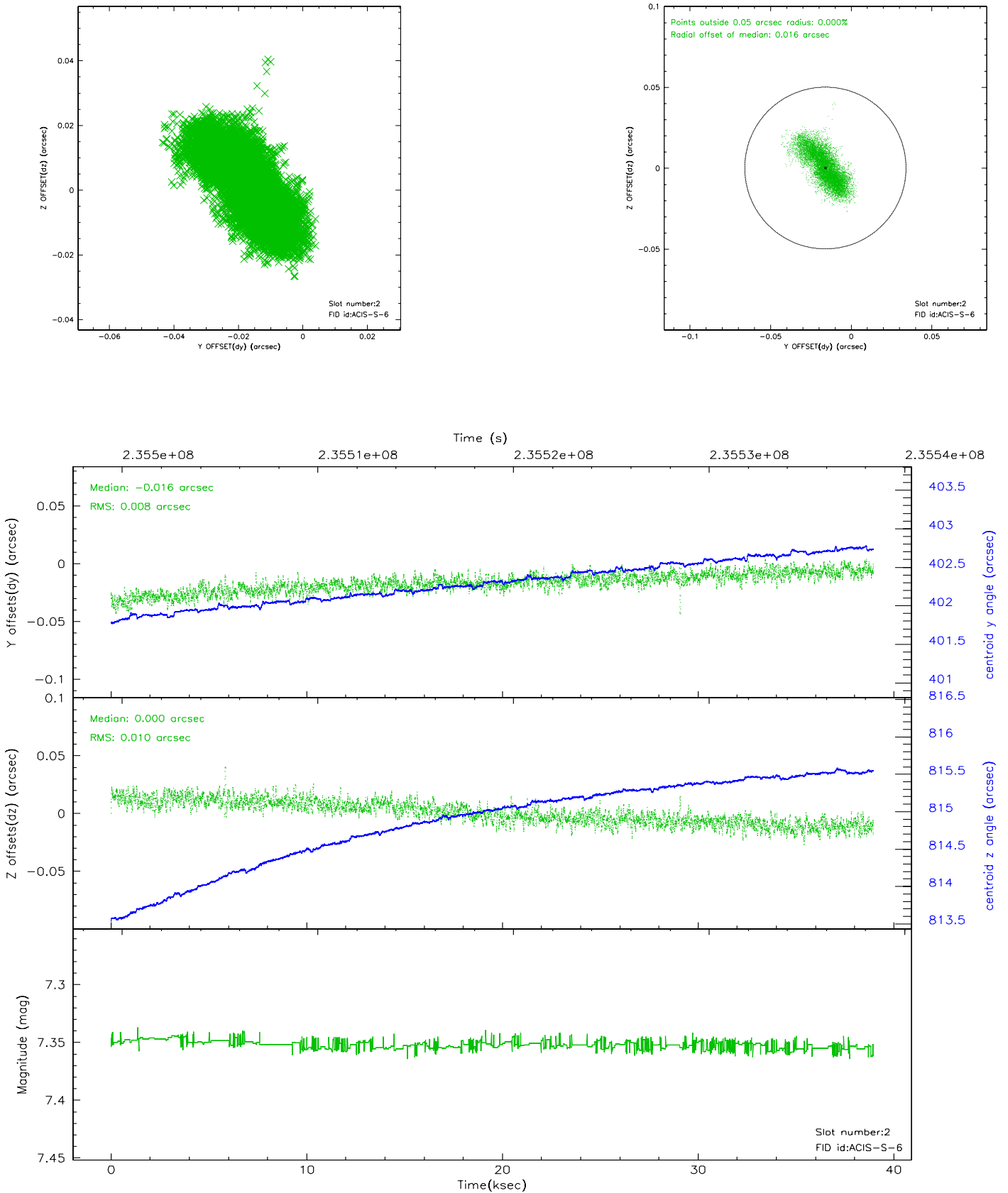
2.5.1 Slot 0



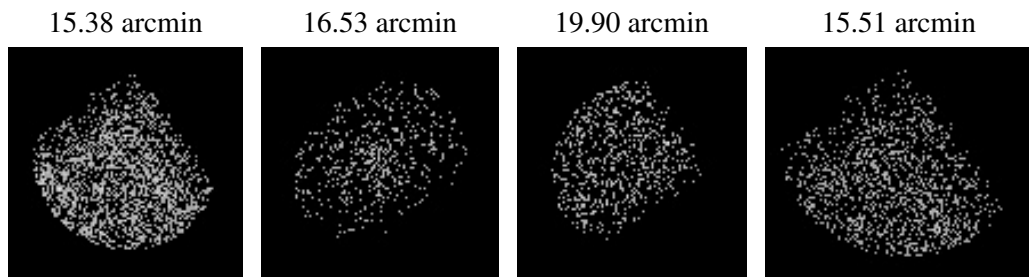
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.03.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	38.96639

A.2 Comments