

V&V Reference Report

L2 ASCDS Version : 7.6.8

Observation 3752 - L2 Version 001
Chandra X-Ray Center

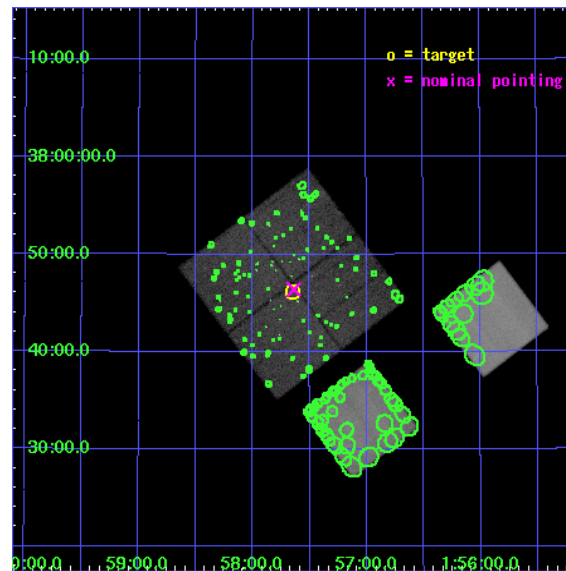
L2 Processing Date : Jul 3 2006

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

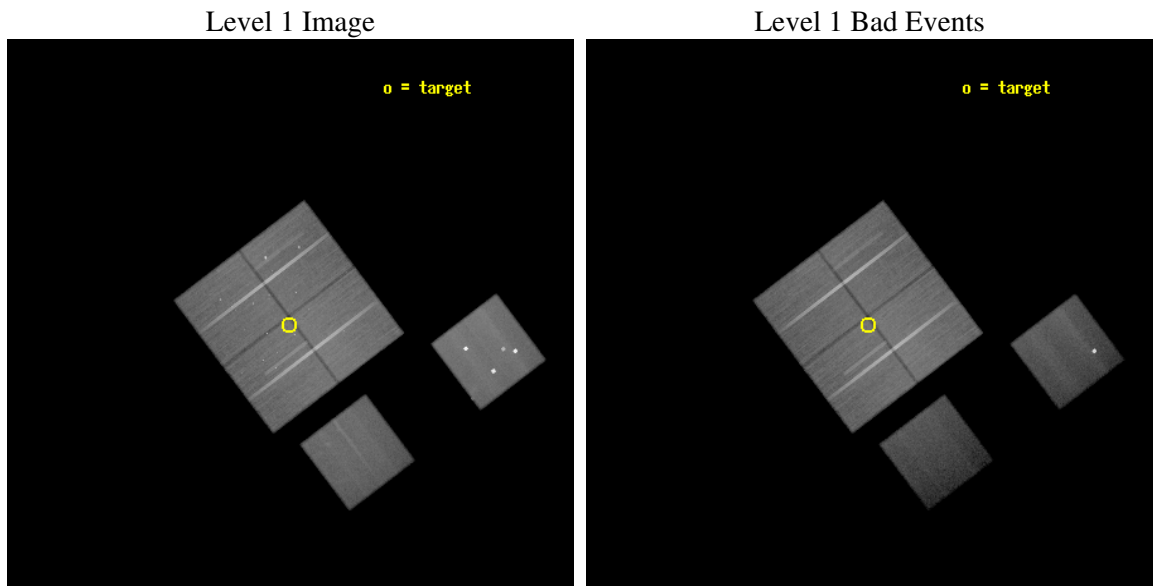
seq_num	200222
obs_id	3752
title	THE SOLAR-STELLAR CONNECTION IN THE NGC 752 OPEN CLUSTER
observer	Dr. Theodore Simon
object	NGC 752
dtcycle	0
cycle	P
ra_targ	29.4125
dec_targ	37.769444
ra_nom	29.40959025583
dec_nom	37.773455685137
roll_nom	142.82785794086
revision	2
ontime	134082.99452937
livetime	132385.15491755
ontime0	134057.06670719
ontime1	134092.71752
ontime2	134063.54861805
ontime3	134082.99452937
ontime5	134099.19950044
ontime7	134099.19950044
l2events	749485



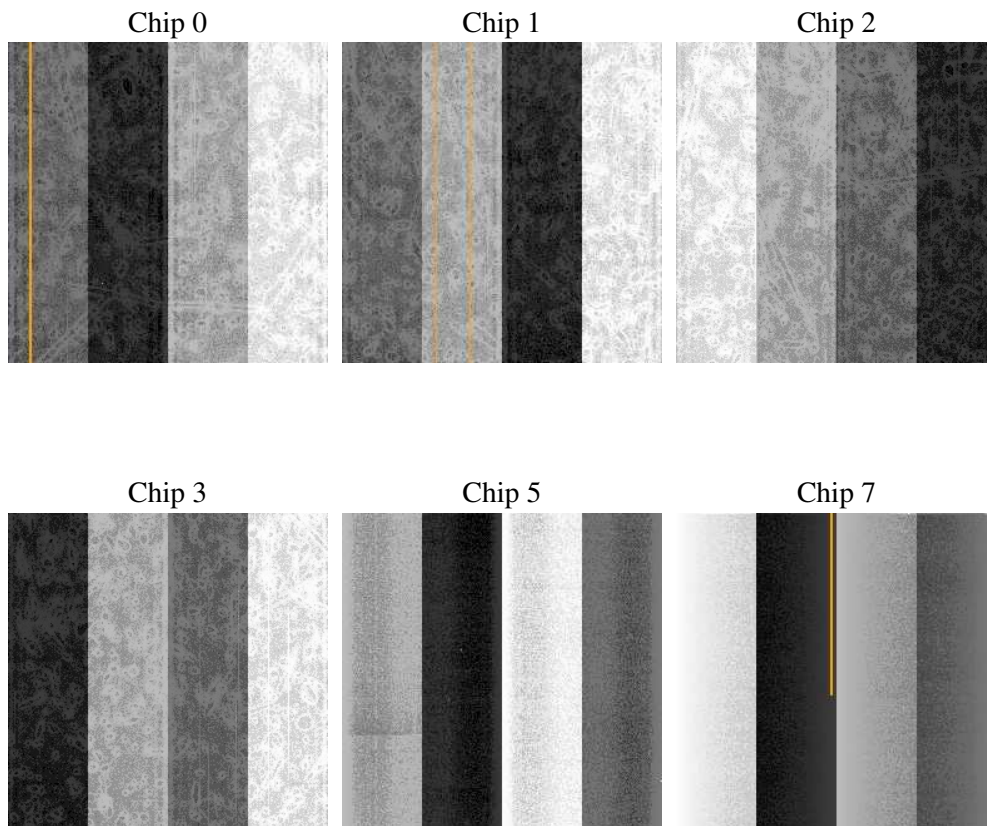
2 OBI

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	2006-07-03T06:31:31
revision	2

sched_exp_time	133962.012000
ontime	134310.69222564
ontime0	134284.76440346
ontime1	134320.41521627
ontime2	134291.24631432
ontime3	134310.69222564
ontime5	134326.89719671
ontime7	134326.89719671
l1events	3499028

2.1.4 Events

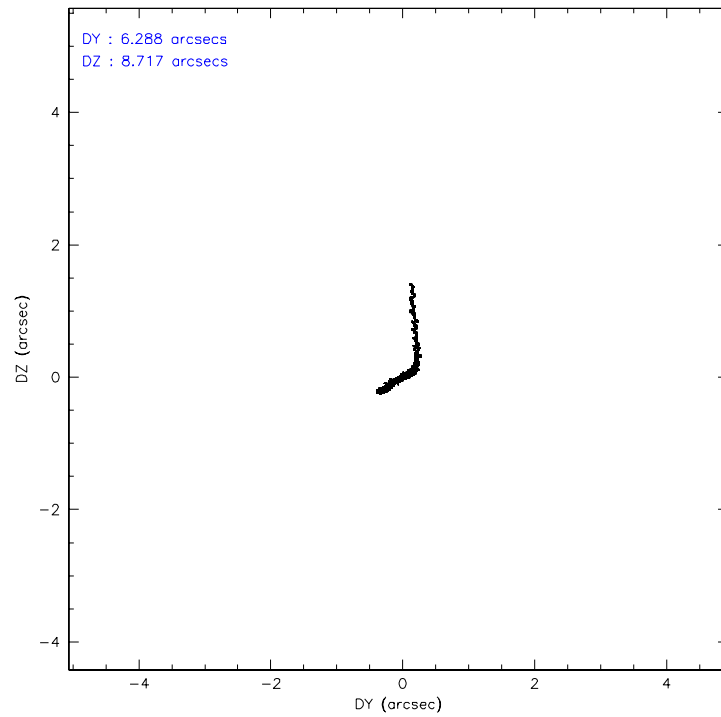
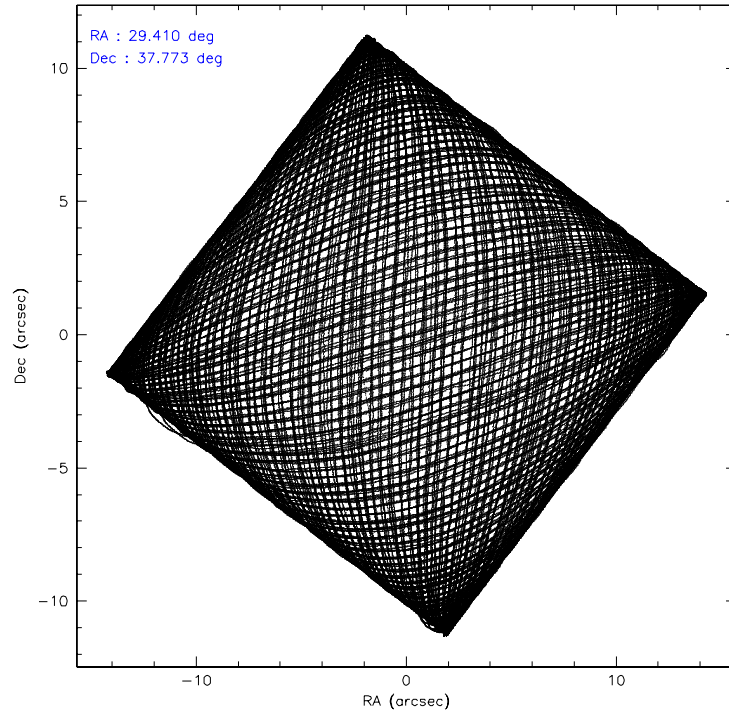
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7
level 1 events	597915	559322	672049	610706	657289	401747
rejected events	531956	497819	616669	554189	240999	164092
rejected %	88%	89%	91%	90%	36%	40%

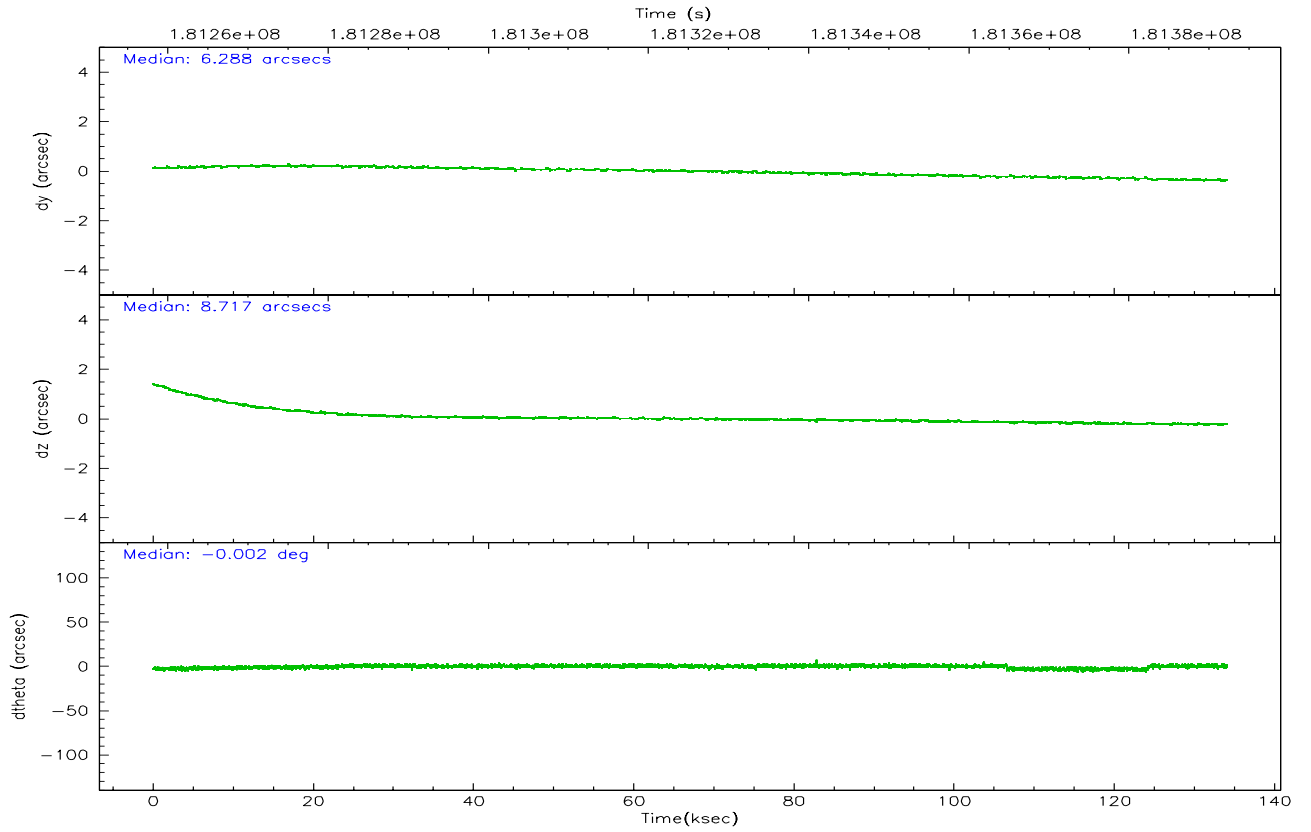
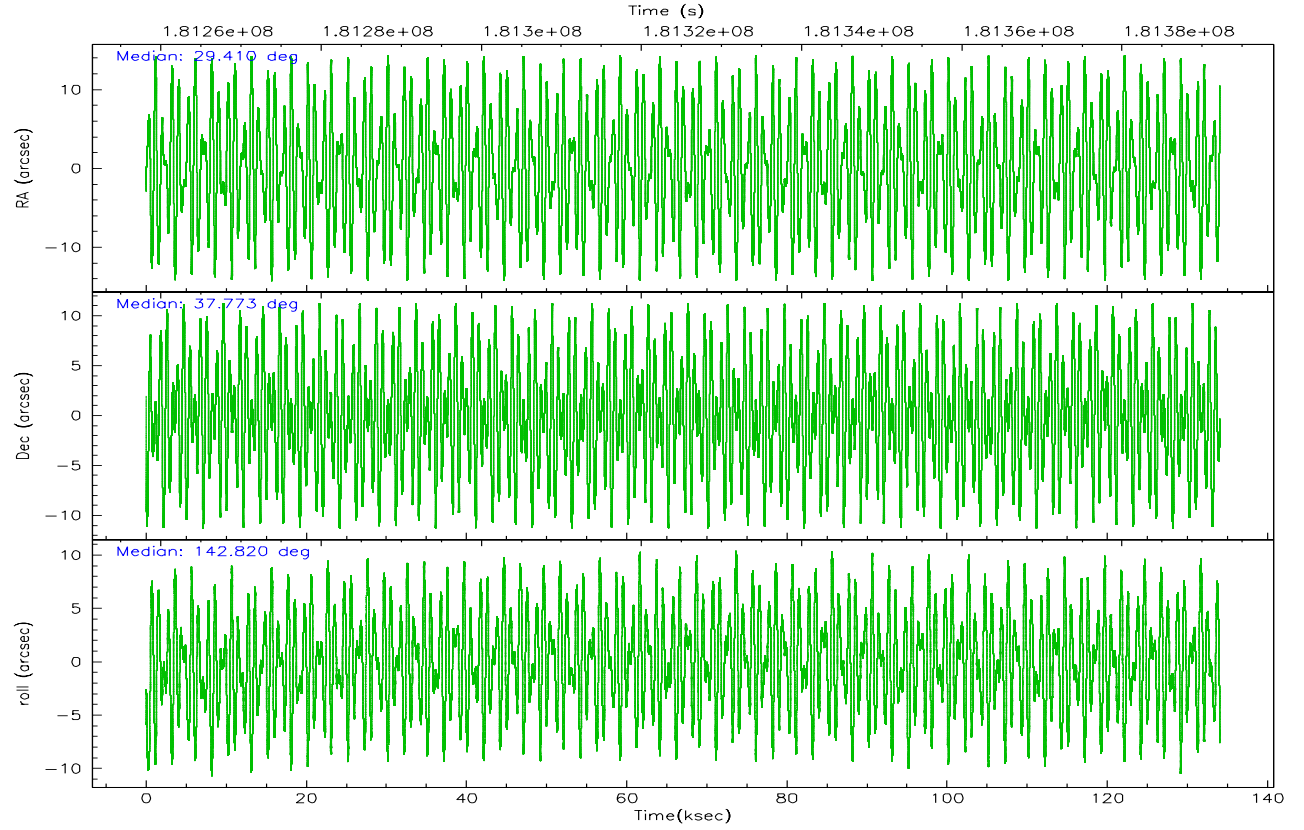
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7
grade 0 events	30504	25887	23754	25932	90114	23400
	5%	4%	3%	4%	13%	5%
grade 1 events	353	326	295	335	413	389
	0%	0%	0%	0%	0%	0%
grade 2 events	13828	11956	12380	10735	131726	64974
	2%	2%	1%	1%	20%	16%
grade 3 events	6788	7362	5885	6096	13443	18472
	1%	1%	0%	0%	2%	4%
grade 4 events	6207	6939	5948	5812	12429	17490
	1%	1%	0%	0%	1%	4%
grade 5 events	11483	11738	9787	12258	37709	30551
	1%	2%	1%	2%	5%	7%
grade 6 events	8736	9484	7505	8040	169195	113644
	1%	1%	1%	1%	25%	28%
grade 7 events	520016	485630	606495	541498	202260	132827
	86%	86%	90%	88%	30%	33%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-012357	ACIS-012357	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	29.443960	29.4095902558302	Alternating exposures requested	N	N
Pointing Dec	37.770148	37.77345568513718	Primary exposure time	0.000000	3.2
Pointing Roll	142.598123	142.8278579408557			
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	181258280.184000	181257119.99999			
Observation start date	2003-09-29T21:30:16	2003-09-29T21:11:59			
Observation end time	181392242.184000	181392556.8433			
Observation end date	2003-10-01T10:42:58	2003-10-01T10:49:16			
Read mode	TIMED	TIMED			

2.3 Aspect



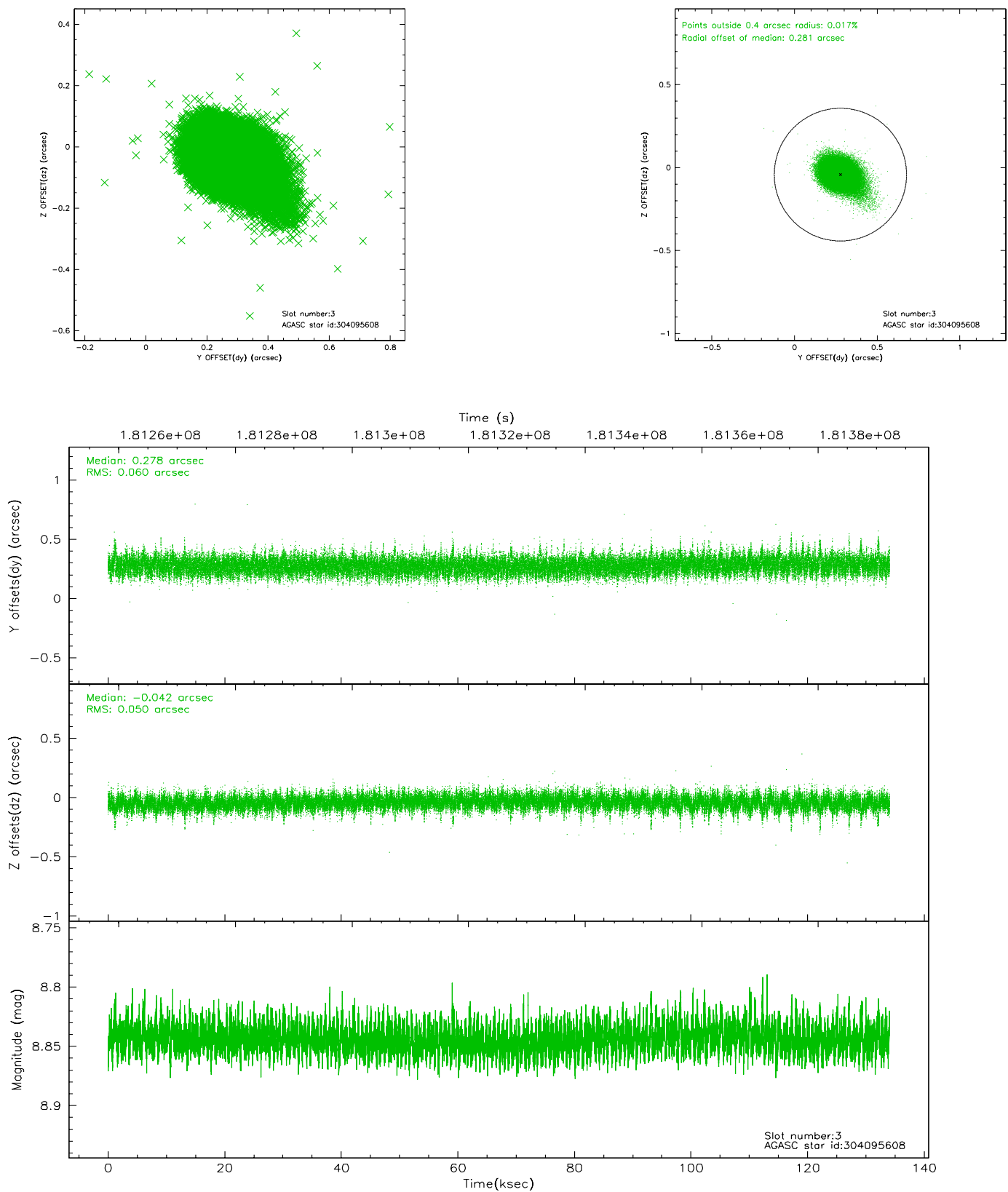


Slot Statistics

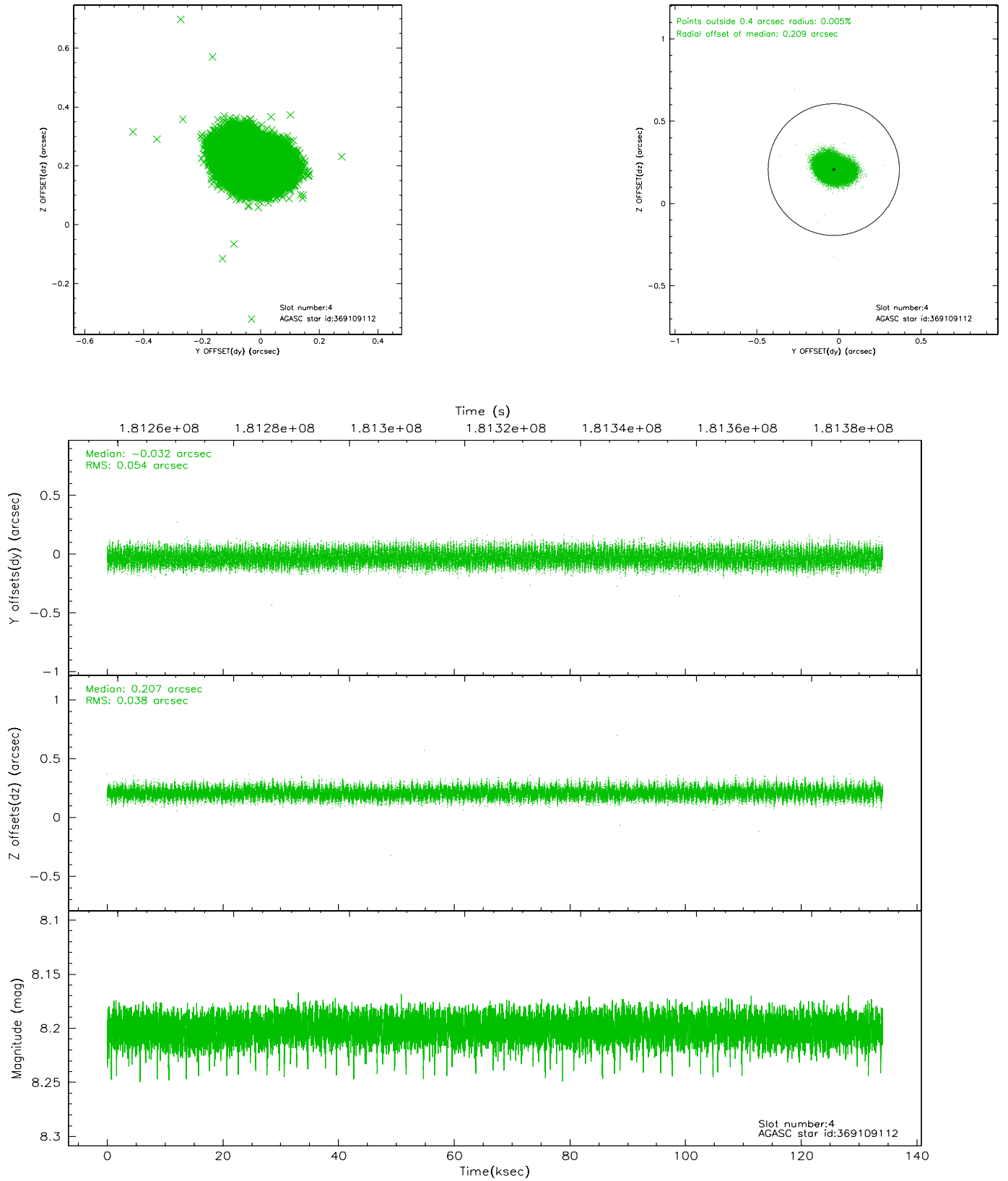
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	32706	-0.061	0.088	0.013	0.029	0.000000	0.000000	933.38	-832.14
1	FID	ACIS-I-2	7.14	32706	-0.078	-0.055	0.009	0.016	0.000000	0.000000	-760.78	-838.67
2	FID	ACIS-I-4	7.18	32704	0.041	0.035	0.008	0.017	0.000000	0.000000	2153.42	1067.66
3	GUIDE	304095608	8.84	65395	0.278	-0.042	0.080	0.137	29.743628	37.137436	-2065.80	1285.94
4	GUIDE	369109112	8.20	65411	-0.032	0.207	0.071	0.112	29.453699	38.445851	1456.13	-1948.45
5	GUIDE	303961152	9.32	65383	-0.025	-0.289	0.107	0.176	28.907095	37.266100	122.23	2372.18
6	GUIDE	369110016	8.93	65392	-0.161	-0.079	0.068	0.112	28.672742	38.023360	2296.54	597.65
7	GUIDE	369101792	9.44	65364	-0.061	0.207	0.100	0.161	29.651239	38.497753	1127.99	-2435.50

2.4 Star Slots

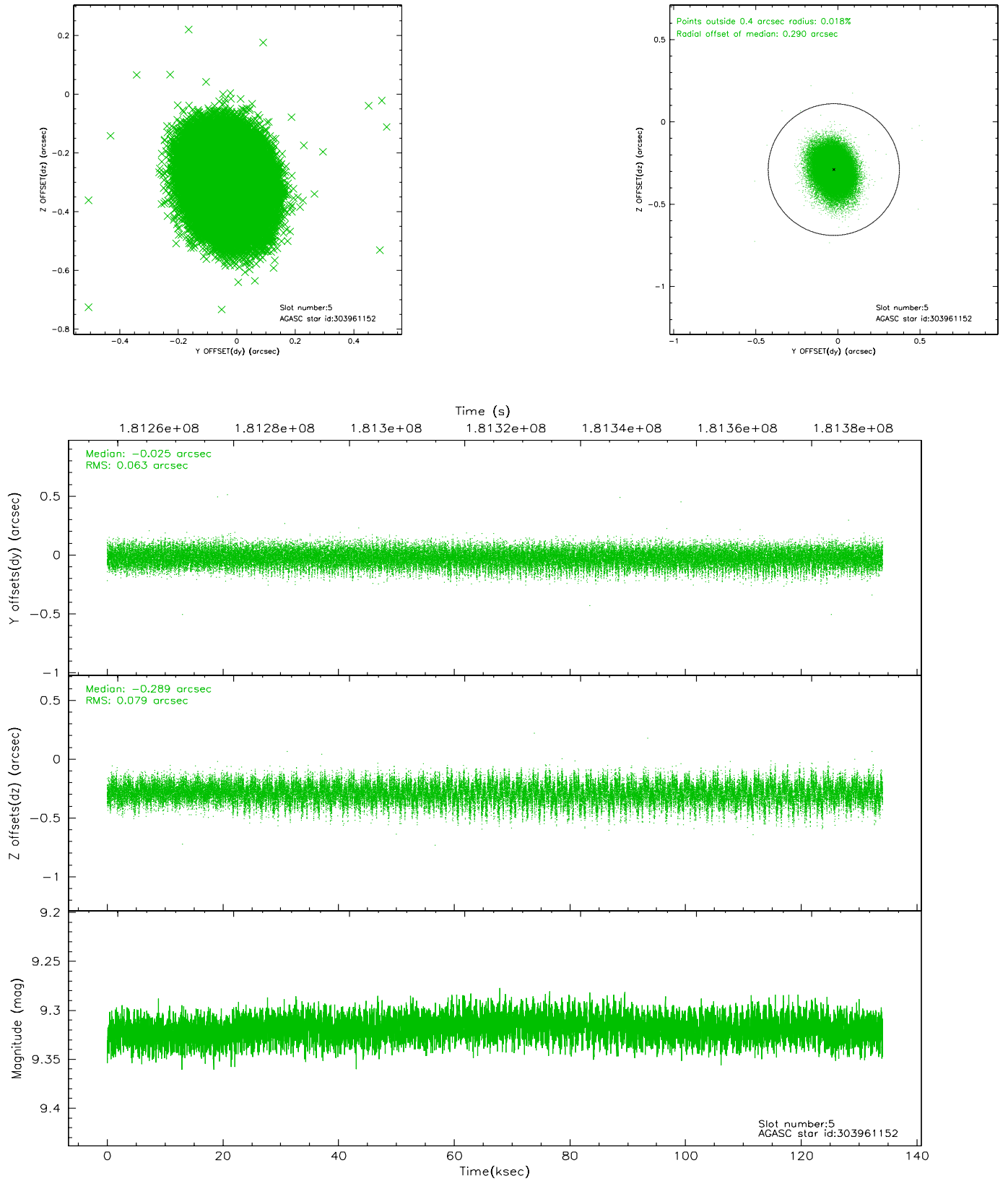
2.4.1 Slot 3



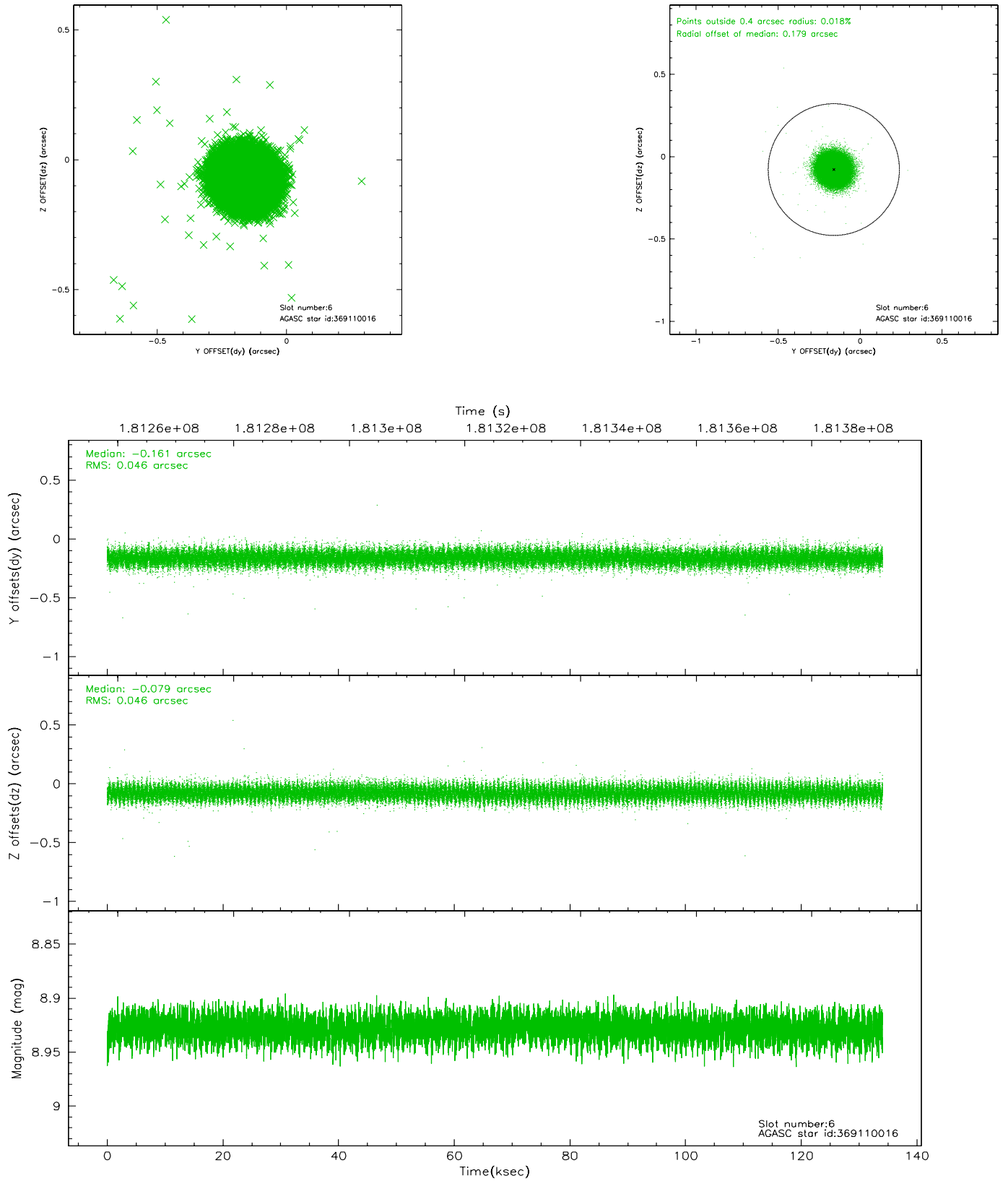
2.4.2 Slot 4



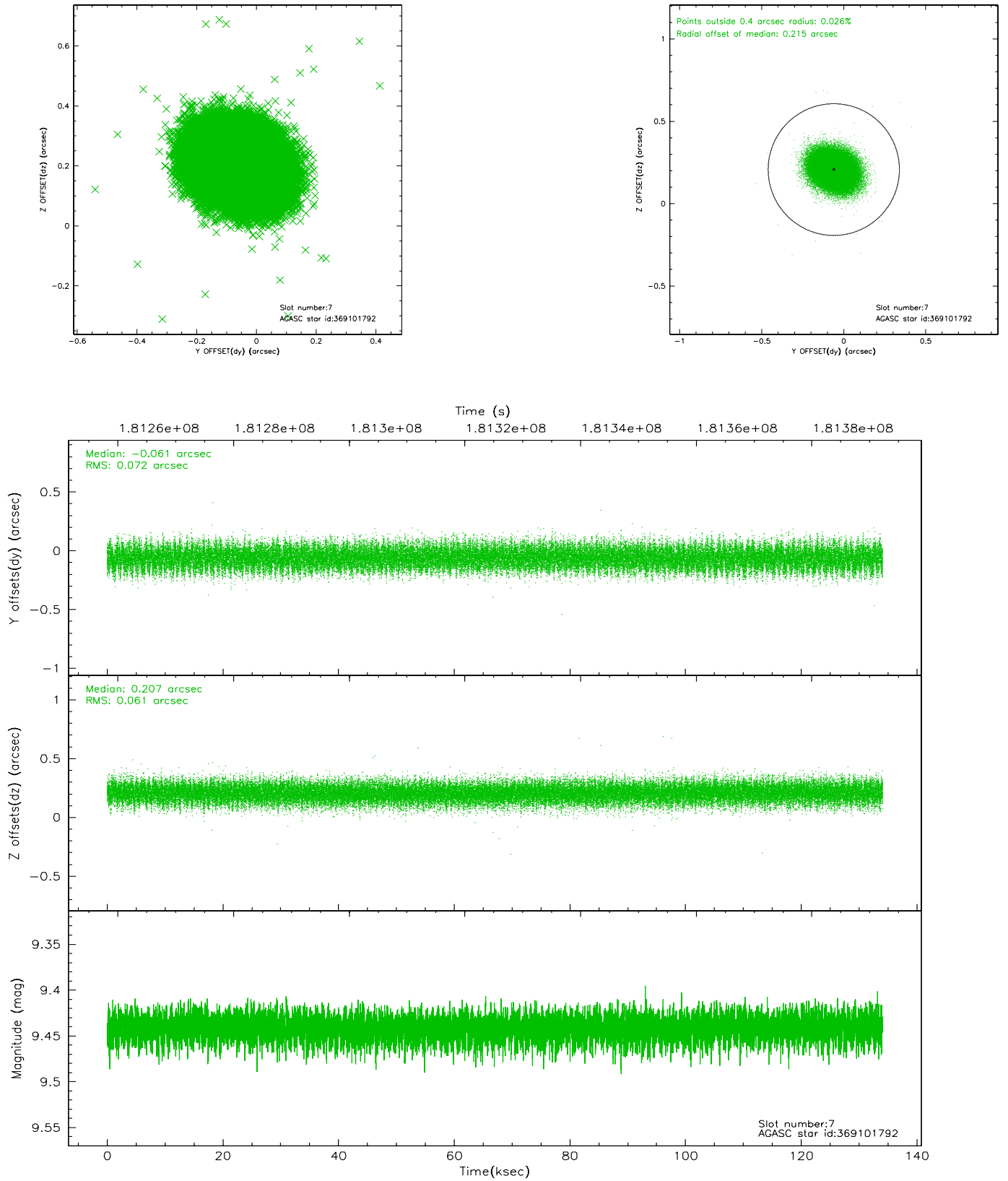
2.4.3 Slot 5



2.4.4 Slot 6

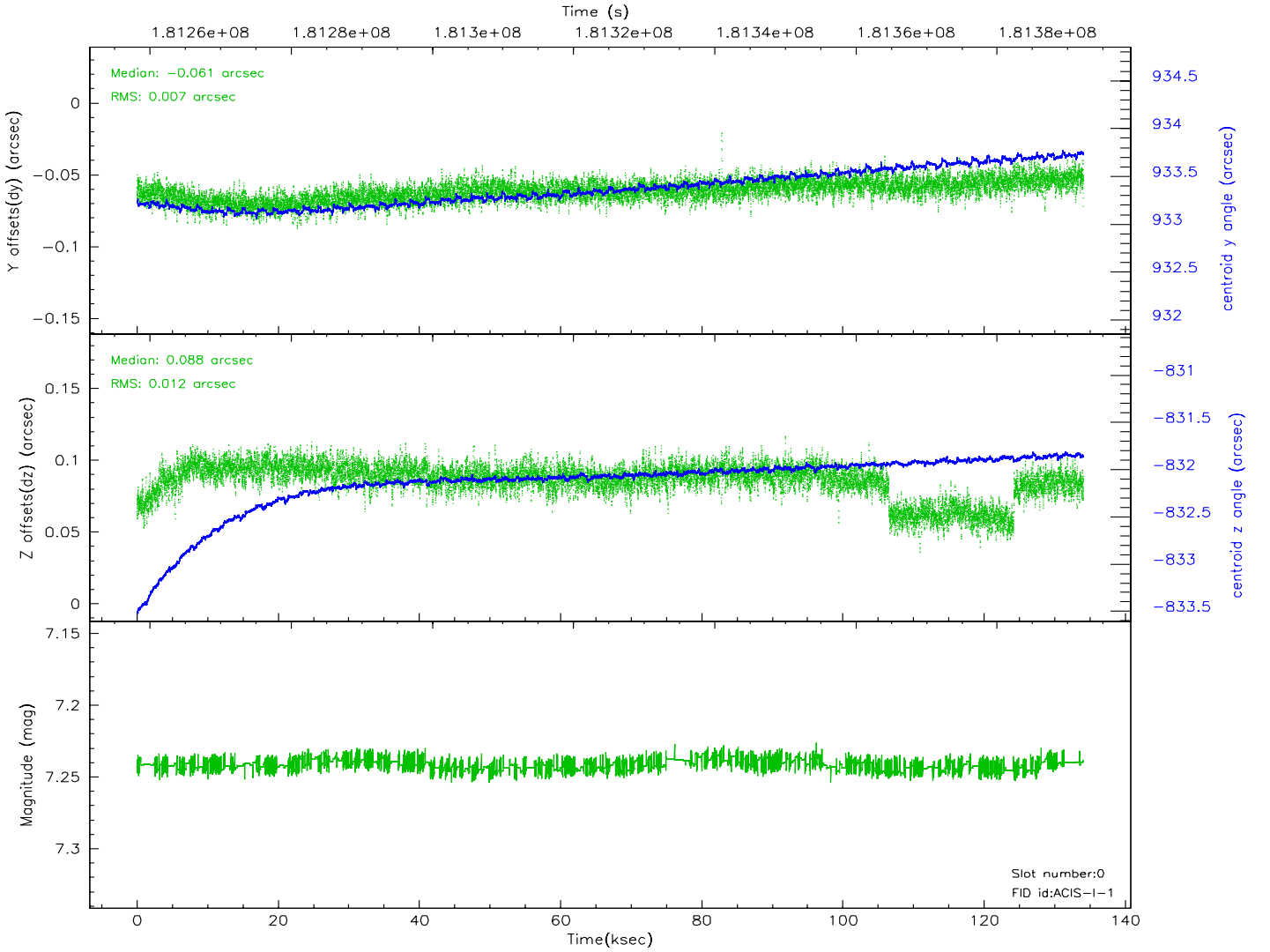
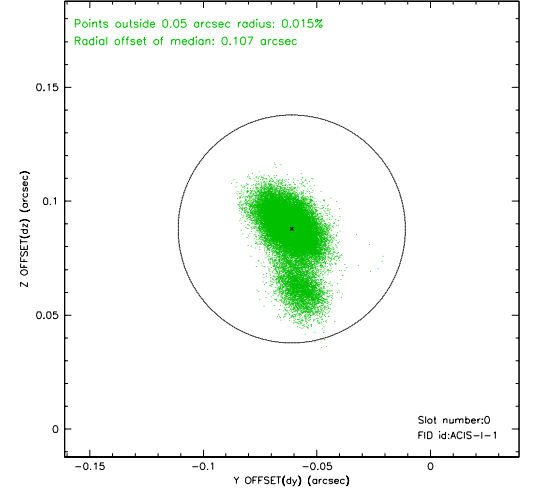
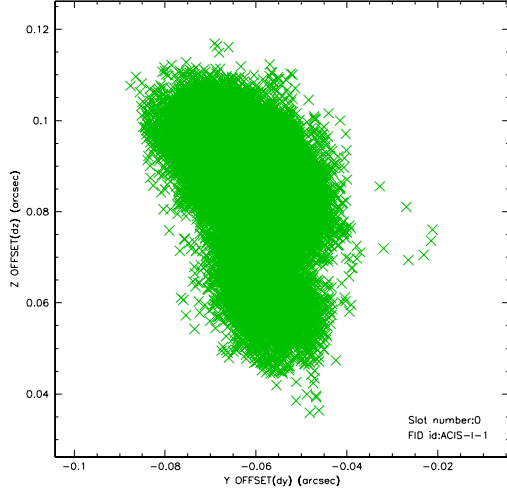


2.4.5 Slot 7

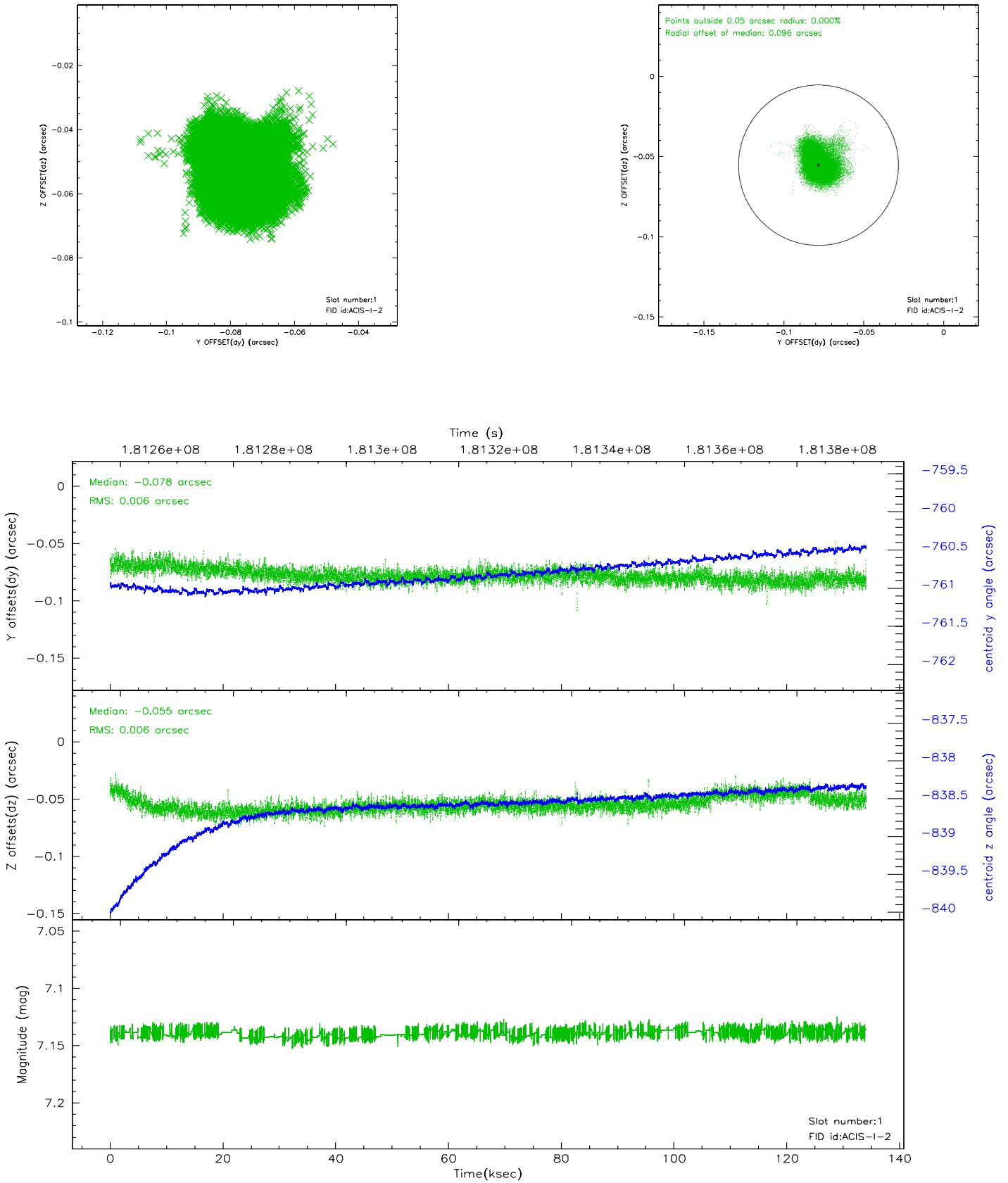


2.5 FID Slots

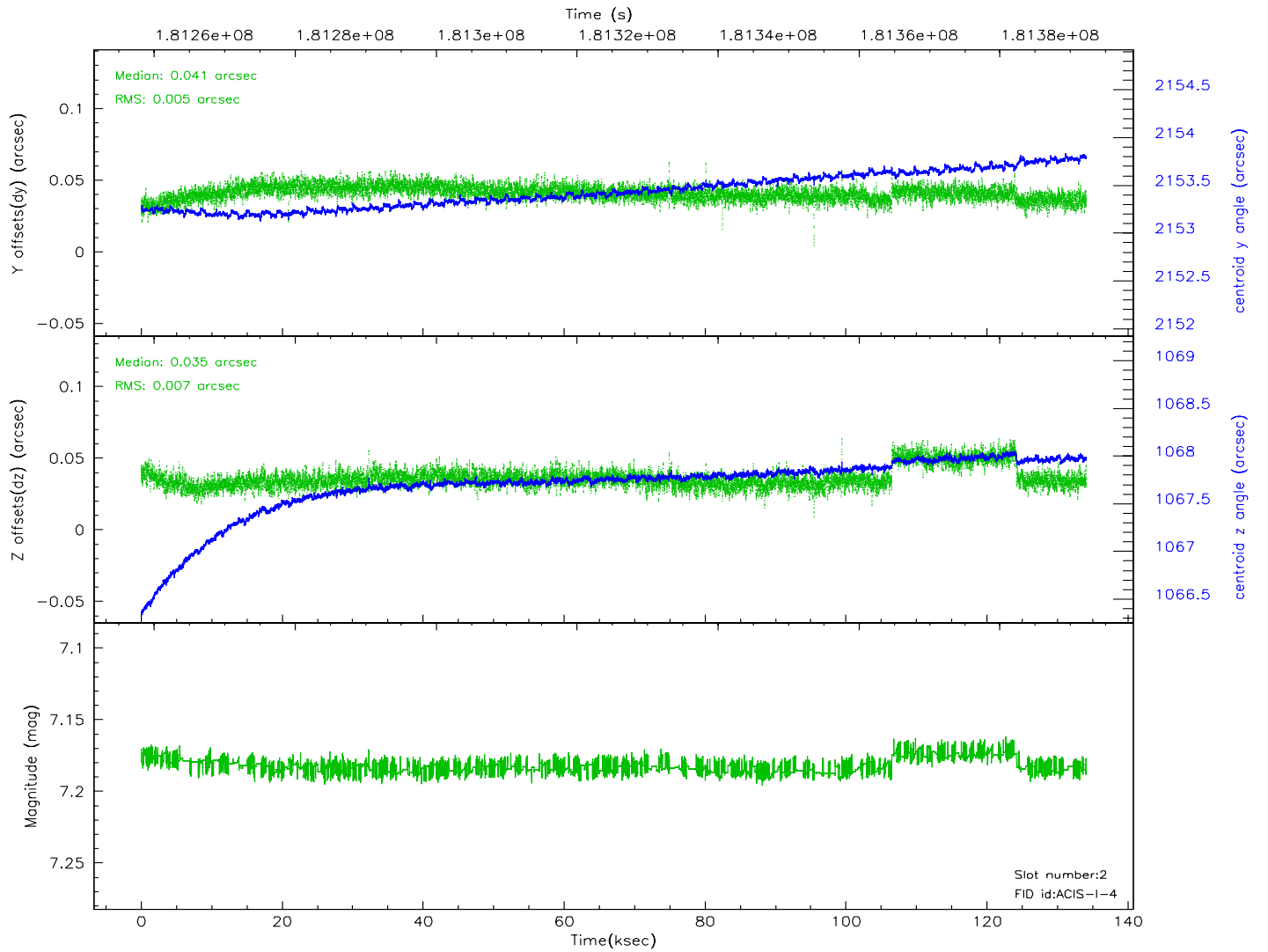
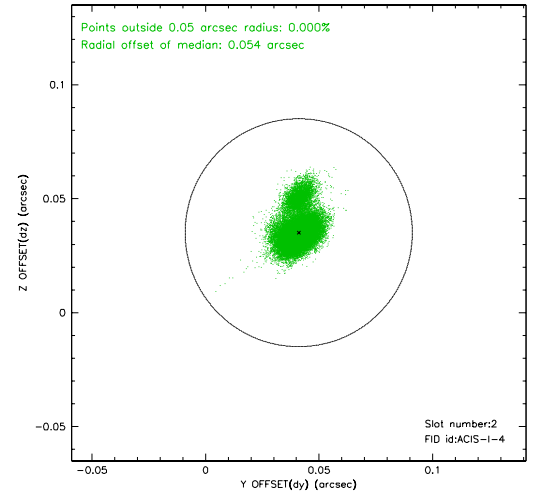
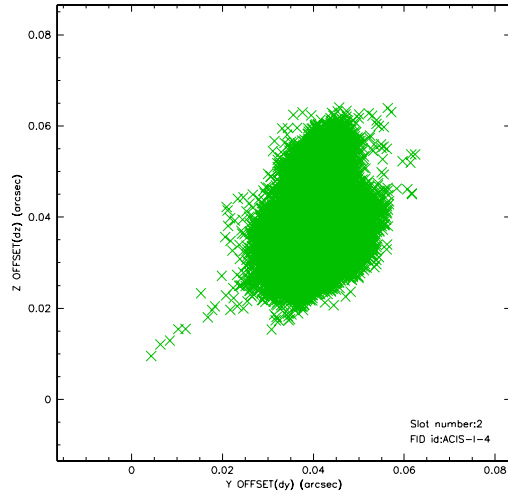
2.5.1 Slot 0



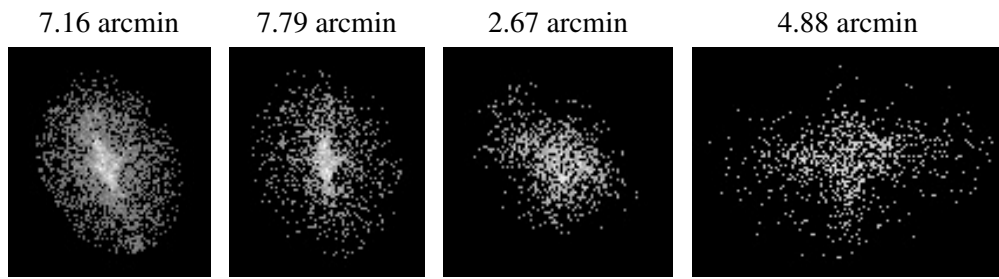
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.07.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	134.082

A.2 Comments