

V & V Reference Report
Draft 0.988
ASCDS Version : 7.5.0

Observation 6101 - L2 Version 001
Chandra X-Ray Center

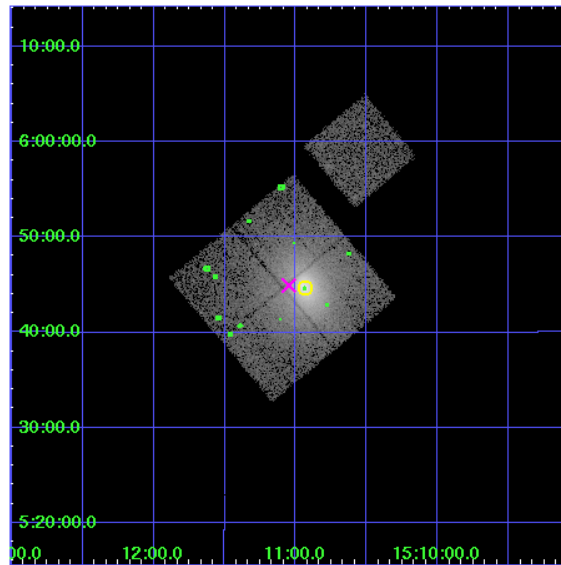
December 17, 2004

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1 Front

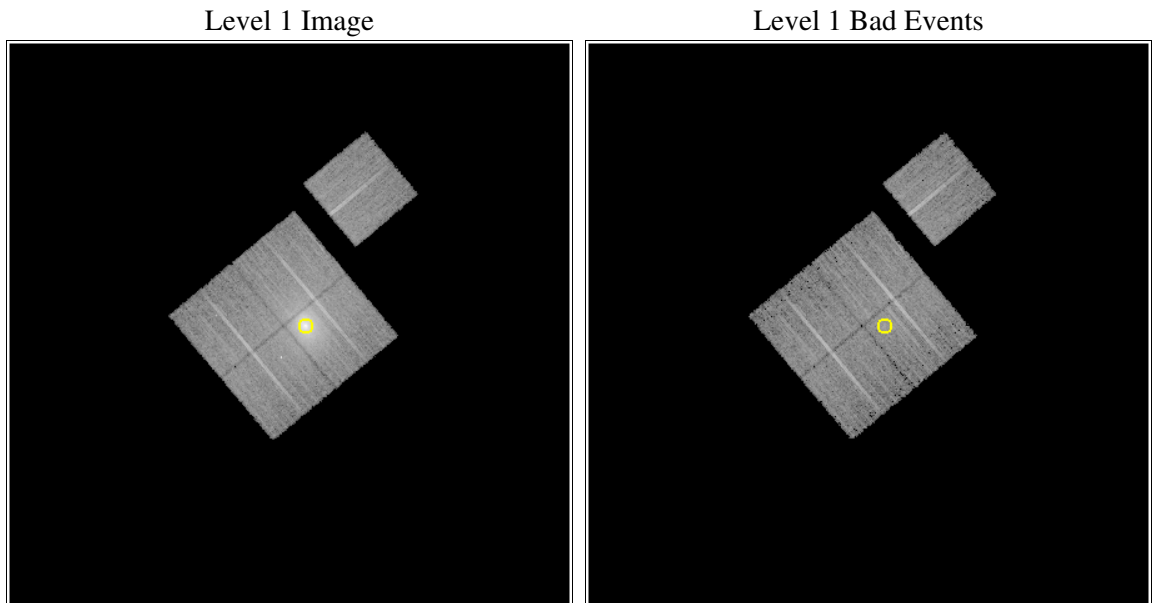
Parameter	Value
seq_num	800549
obs_id	6101
title	Probing dark energy using the X-ray gas mass fraction in dynamically relaxed galaxy clusters
observer	Dr Steven Allen
object	Abell 2029
dtcycle	0
cycle	P
ra_targ	227.734167
dec_targ	5.744583
ra_nom	227.76196529277
dec_nom	5.7487251212196
roll_nom	50.156217853093
revision	1
ontime	10050.199980676
livetime	9918.8867190791
ontime0	10047.059010446
ontime1	10050.199980676
ontime2	10050.199980676
ontime3	10050.199980676
ontime6	10047.058990538
l2events	126349



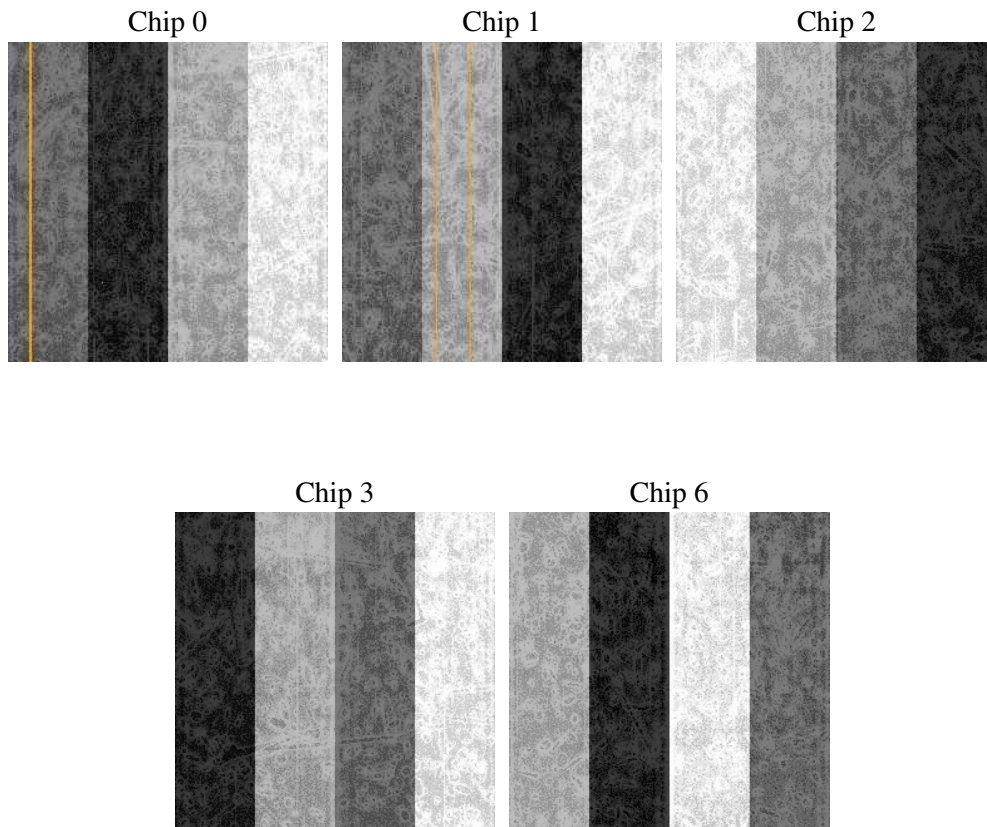
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

Parameter	Value
obi_num	1
ascdsver	7.5.0
caldbver	3.0.0
date	2004-12-18T02:51:36
revision	1

Parameter	Value
sched_exp_time	10000.000000
ontime	10057.487112731
ontime0	10054.346162409
ontime1	10057.487132639
ontime2	10057.487132639
ontime3	10057.487112731
ontime6	10054.346142501
l1events	429872

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	66908	72221	83837	140147	66759
rejected events	56223	54717	63838	61965	59190
rejected %	84%	75%	76%	44%	88%

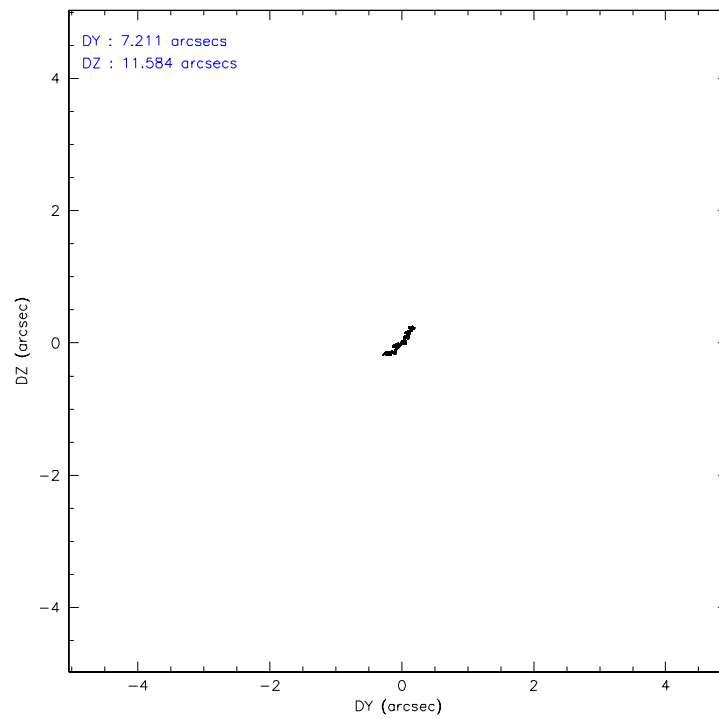
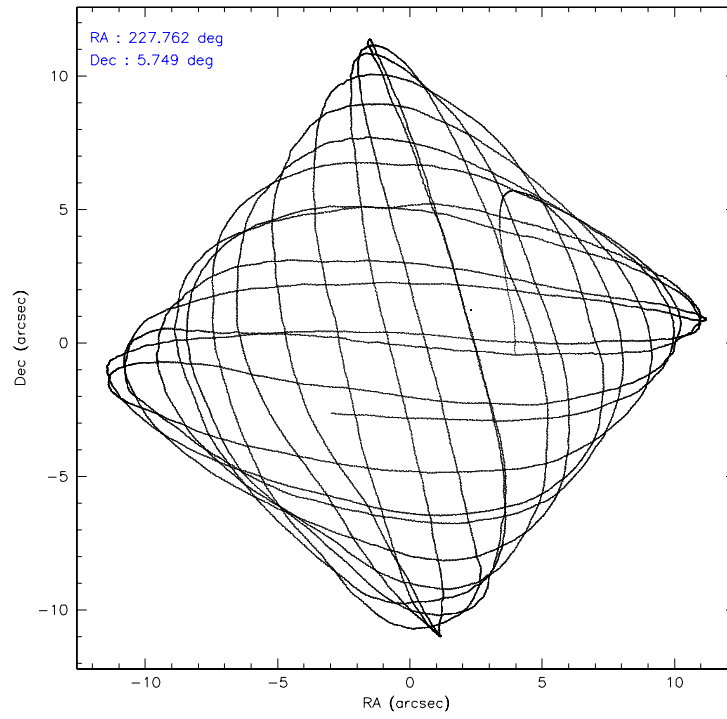
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	5586	10954	13402	60922	3118
	8%	15%	15%	43%	4%
grade 1 events	46	60	74	353	31
	0%	0%	0%	0%	0%
grade 2 events	2030	2616	2851	8625	1522
	3%	3%	3%	6%	2%
grade 3 events	879	1104	1122	2746	778
	1%	1%	1%	1%	1%
grade 4 events	819	1121	1055	2775	753
	1%	1%	1%	1%	1%
grade 5 events	2193	2536	2144	2783	2513
	3%	3%	2%	1%	3%
grade 6 events	1378	1721	1587	3148	1405
	2%	2%	1%	2%	2%
grade 7 events	53977	52109	61602	58795	56639
	80%	72%	73%	41%	84%

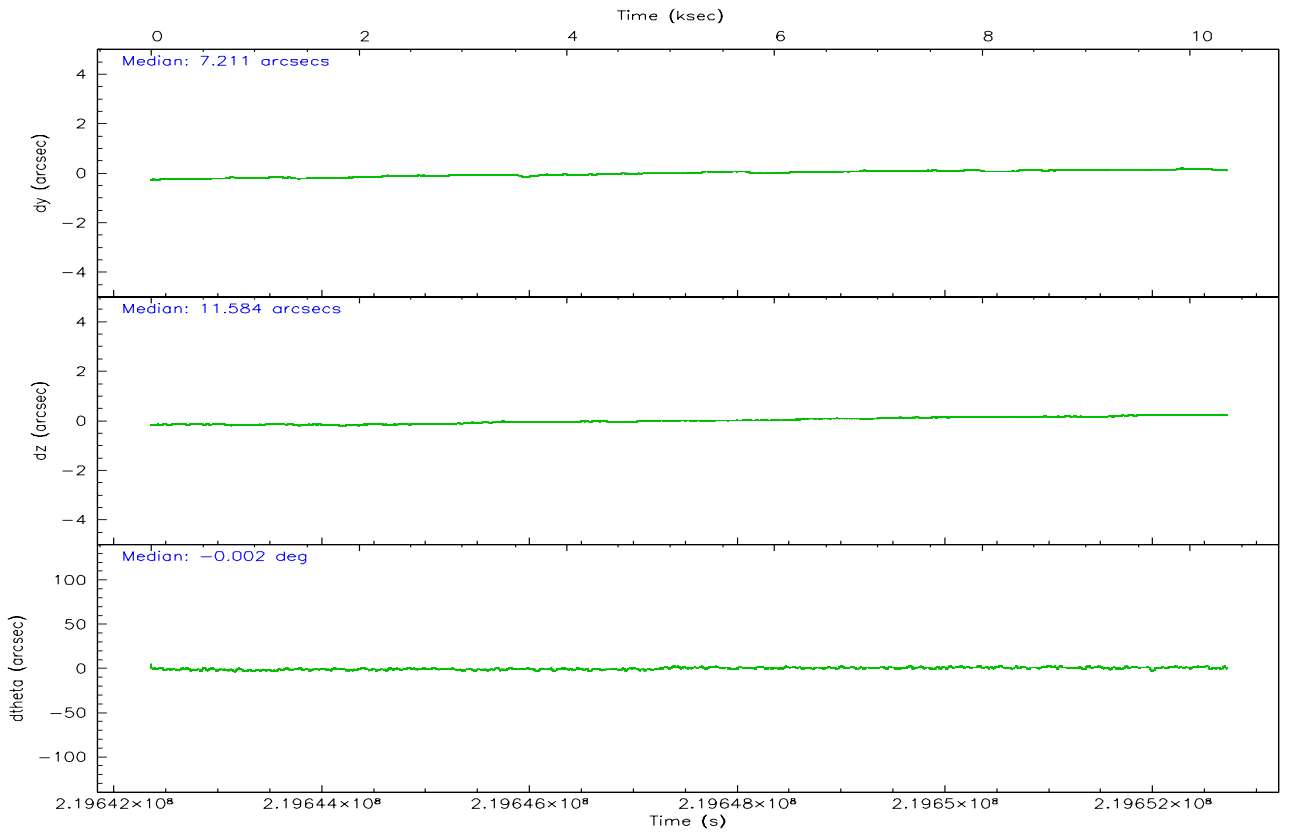
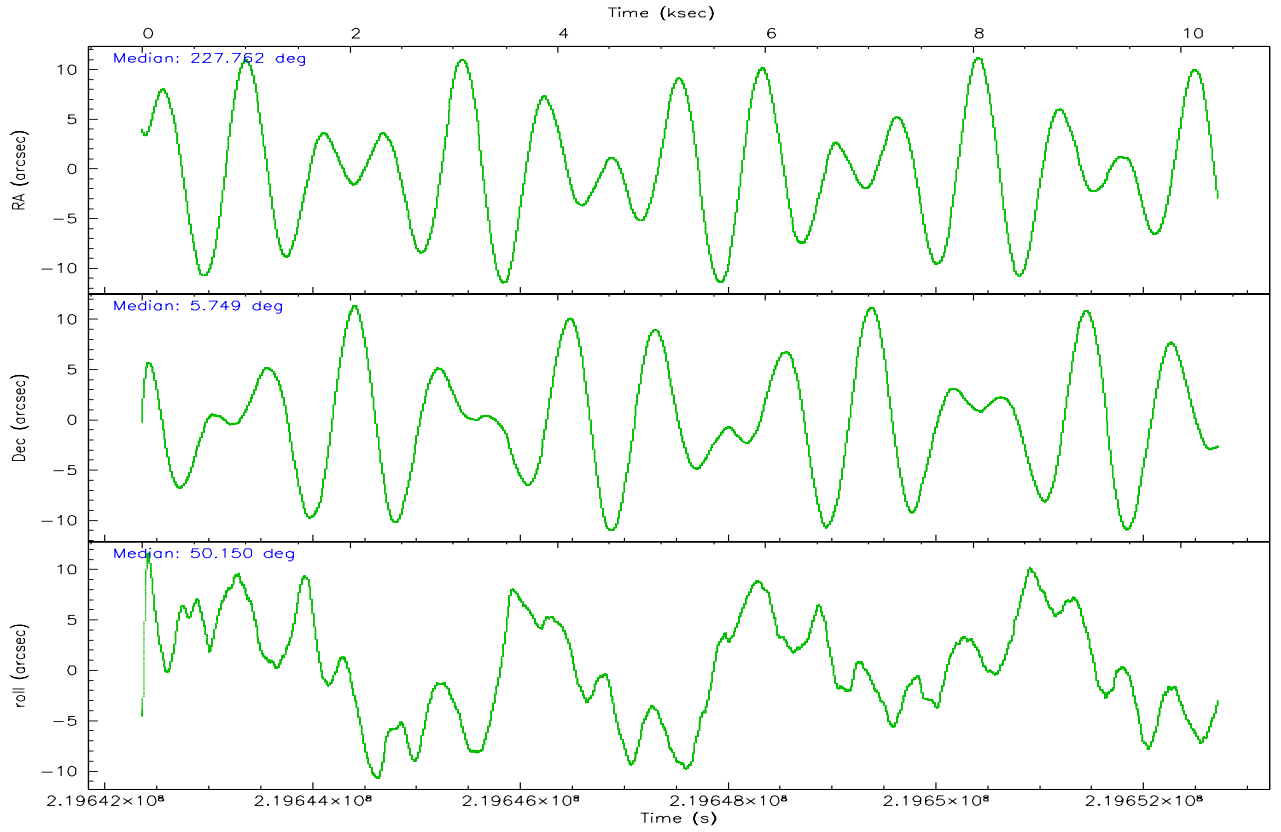
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-01236	ACIS-01236
Grating	NONE	NONE
Data mode	VFAINT	VFAINT
Observation mode	POINTING	POINTING
Pointing RA	227.757317	227.7619652927675
Pointing Dec	5.721736	5.748725121219598
Pointing Roll	49.948022	50.15621785309284
SIM defocus (mm)	0.000000	0.001439871863259334
SIM translation stage offset (mm)	0.000000	-0.005018542100998502
Observation start time	219642705.184000	219641685.56669
Observation start date	2004-12-17T03:50:41	2004-12-17T03:34:45
Observation end time	219652705.184000	219653301.89222
Observation end date	2004-12-17T06:37:21	2004-12-17T06:48:21
Read mode	TIMED	TIMED

Parameter	Planned	Actual
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
Primary exposure time	0.000000	3.1

2.3 Aspect



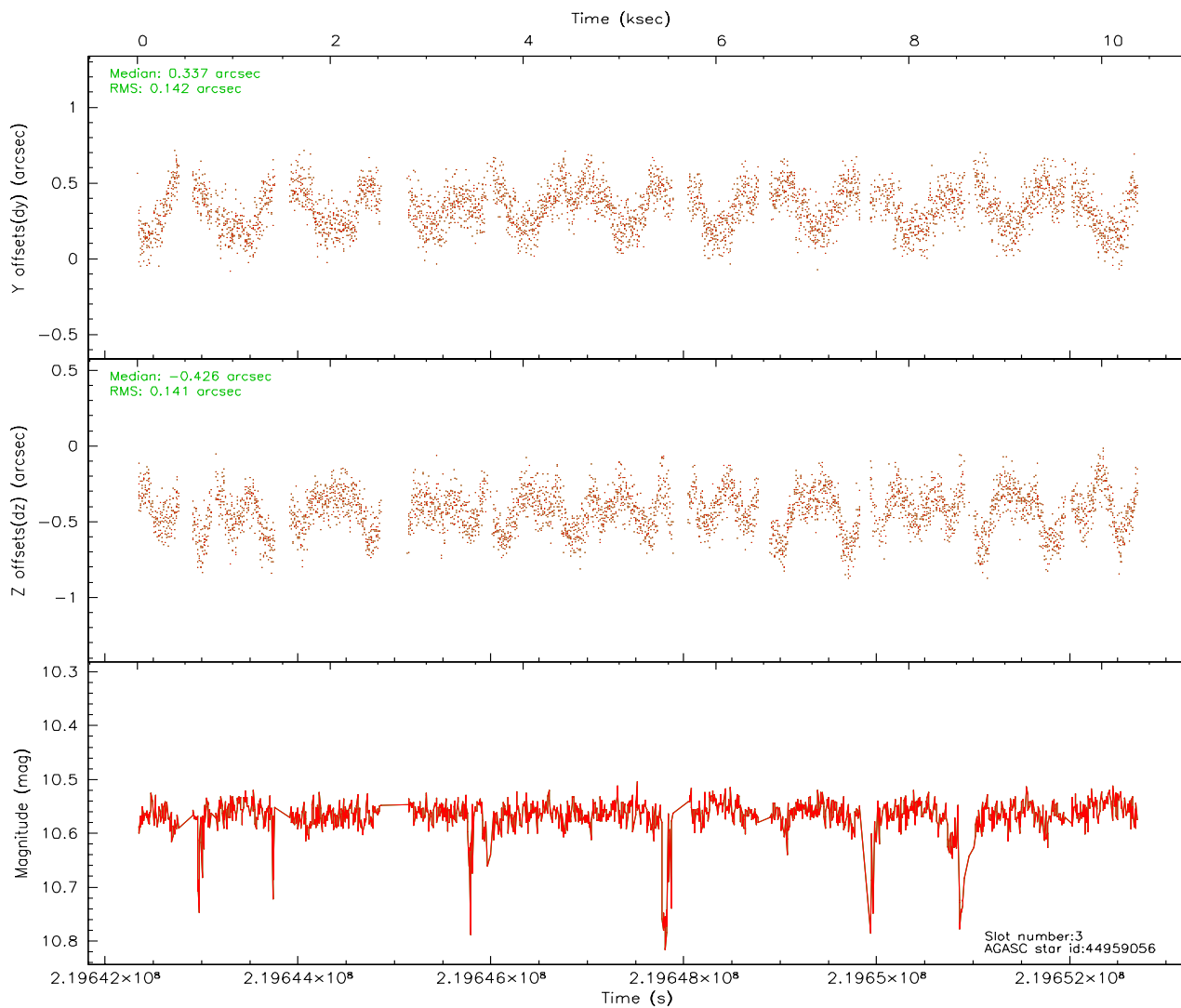
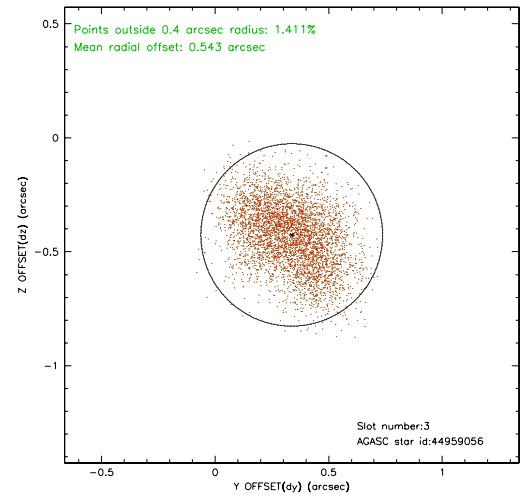
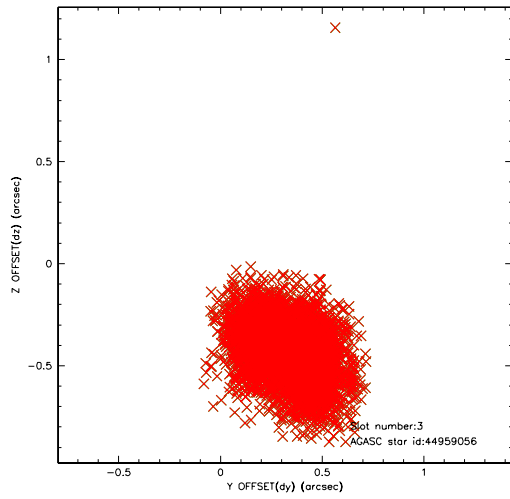


Slot Statistics

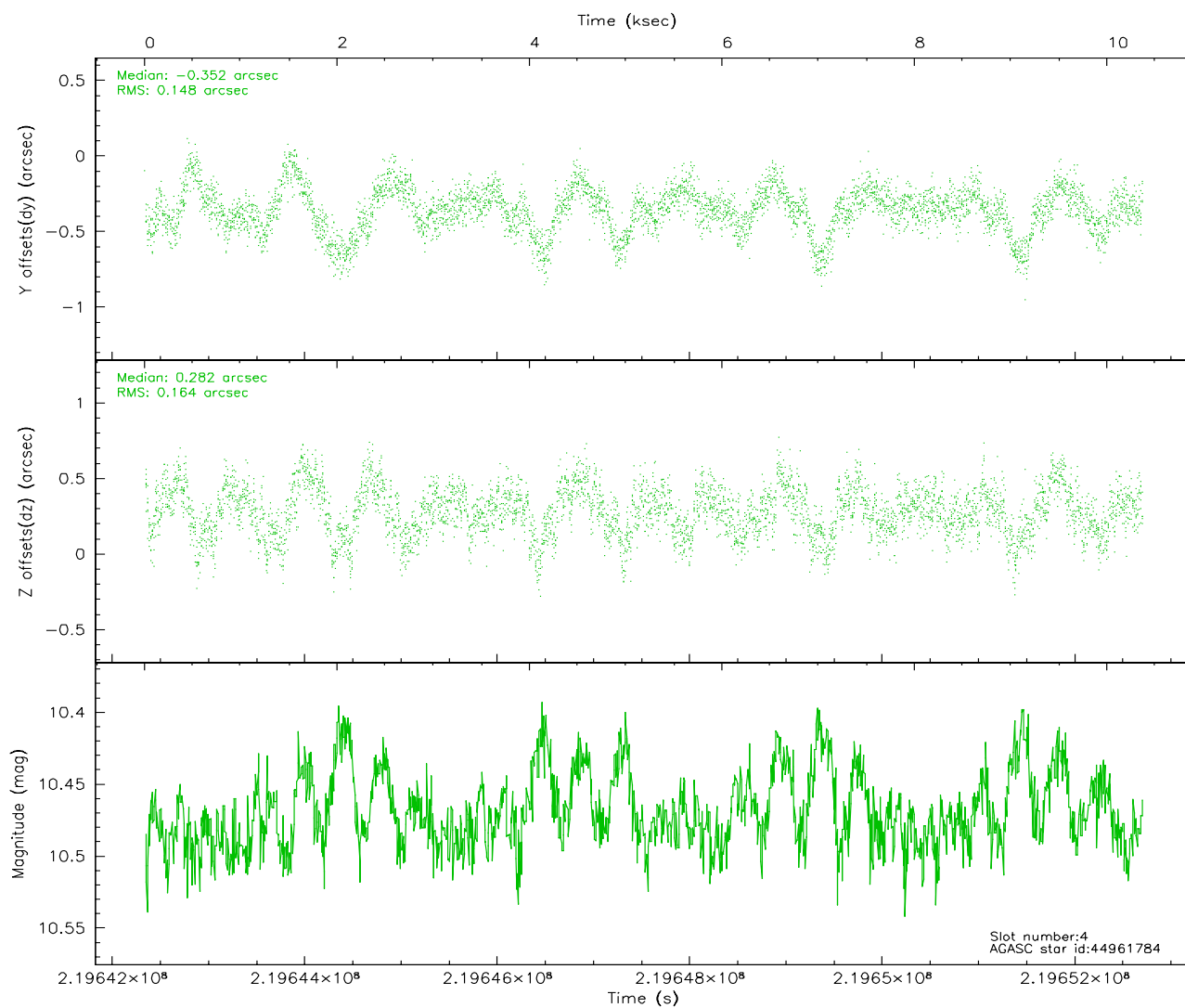
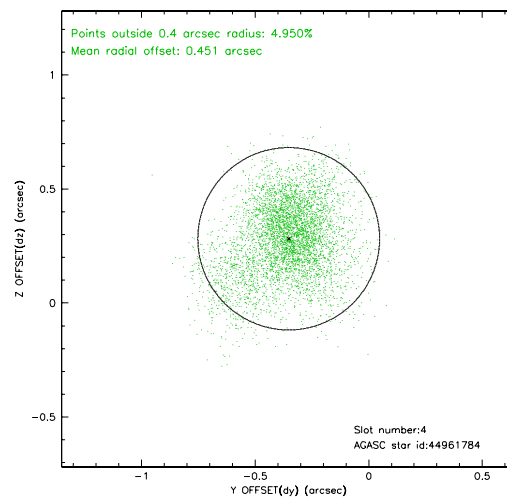
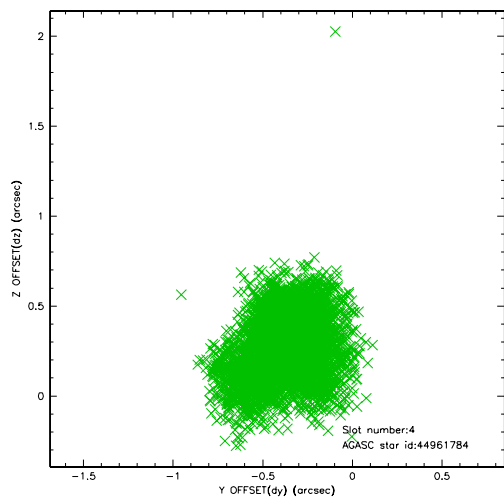
Value												
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.13	2528	-0.059	-0.005	0.013	0.021	0.000000	0.000000	932.43	-835.11
1	FID	ACIS-I-2	7.08	2528	-0.106	-0.033	0.008	0.013	0.000000	0.000000	-761.43	-841.84
2	FID	ACIS-I-4	7.11	2528	0.067	0.106	0.008	0.014	0.000000	0.000000	2152.20	1064.56
3	ERROR	44959056	9.68	4394	0.337	-0.426	0.216	0.335	227.388506	5.331015	-1927.99	107.90
4	GUIDE	44961784	10.34	5051	-0.352	0.282	0.231	0.399	228.123885	5.352388	-172.59	-1860.05
5	GUIDE	44959728	10.24	5036	0.219	0.008	0.399	0.700	227.997143	5.279326	-665.46	-1682.50
6	GUIDE	44959920	10.52	5047	-0.097	0.254	0.362	0.542	227.796954	4.888165	-2205.67	-2039.45
7	GUIDE	44961936	10.33	5052	-0.032	-0.189	0.198	0.331	226.889483	5.605009	-2321.44	2111.13

2.4 Star Slots

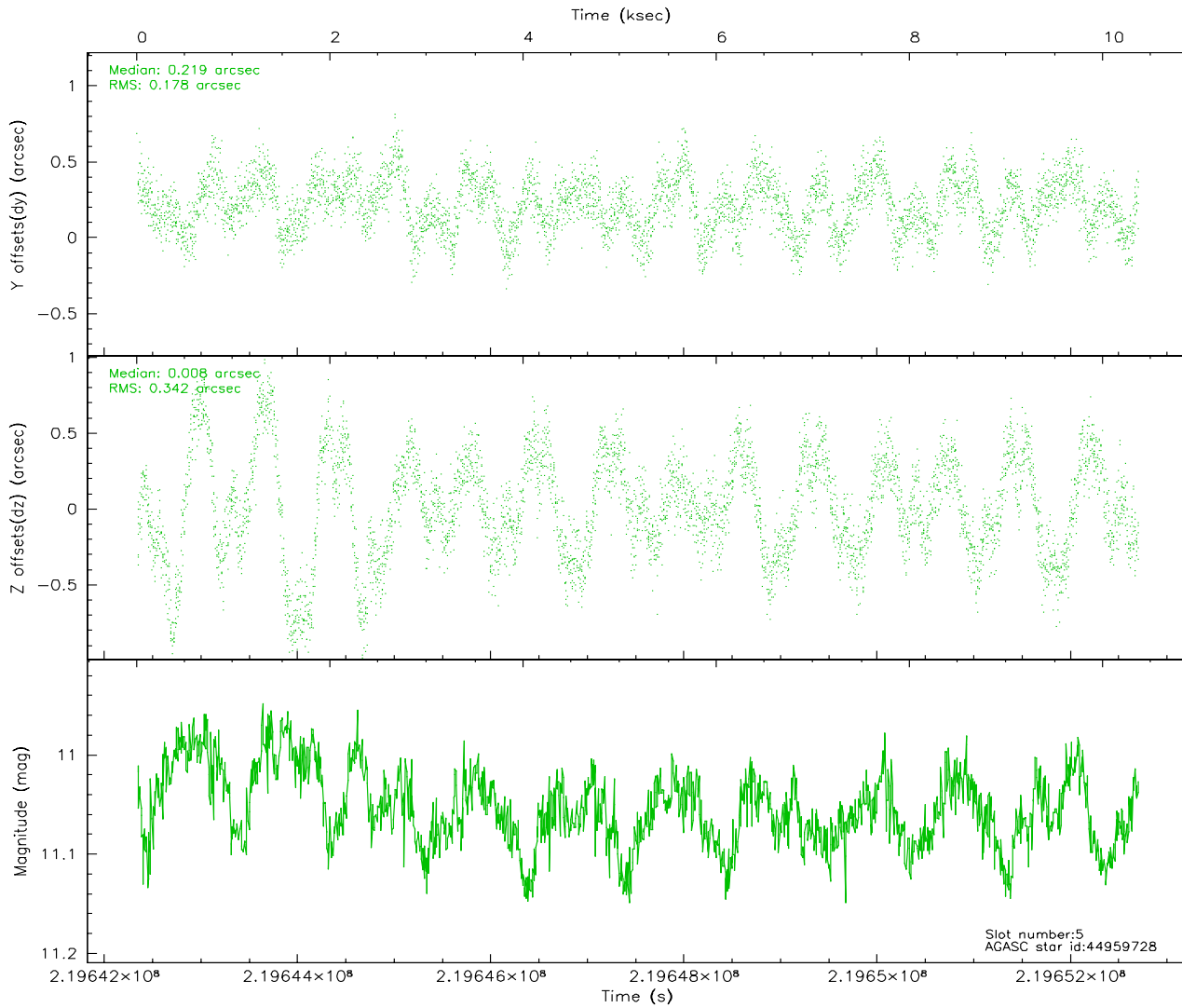
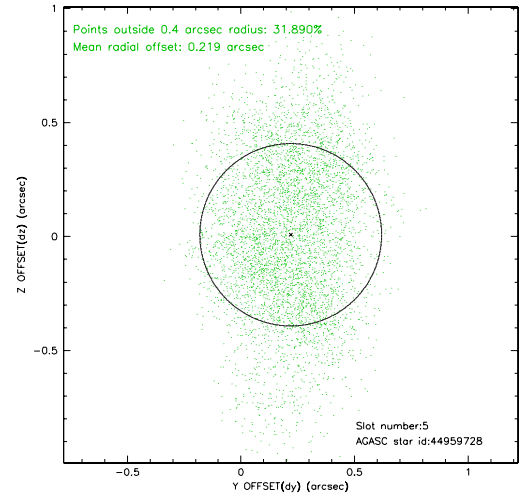
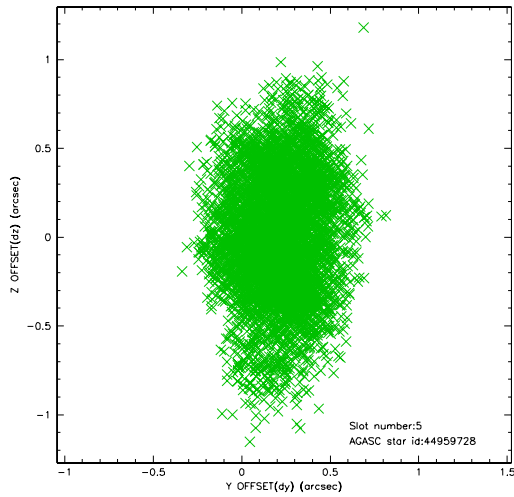
2.4.1 Slot 3



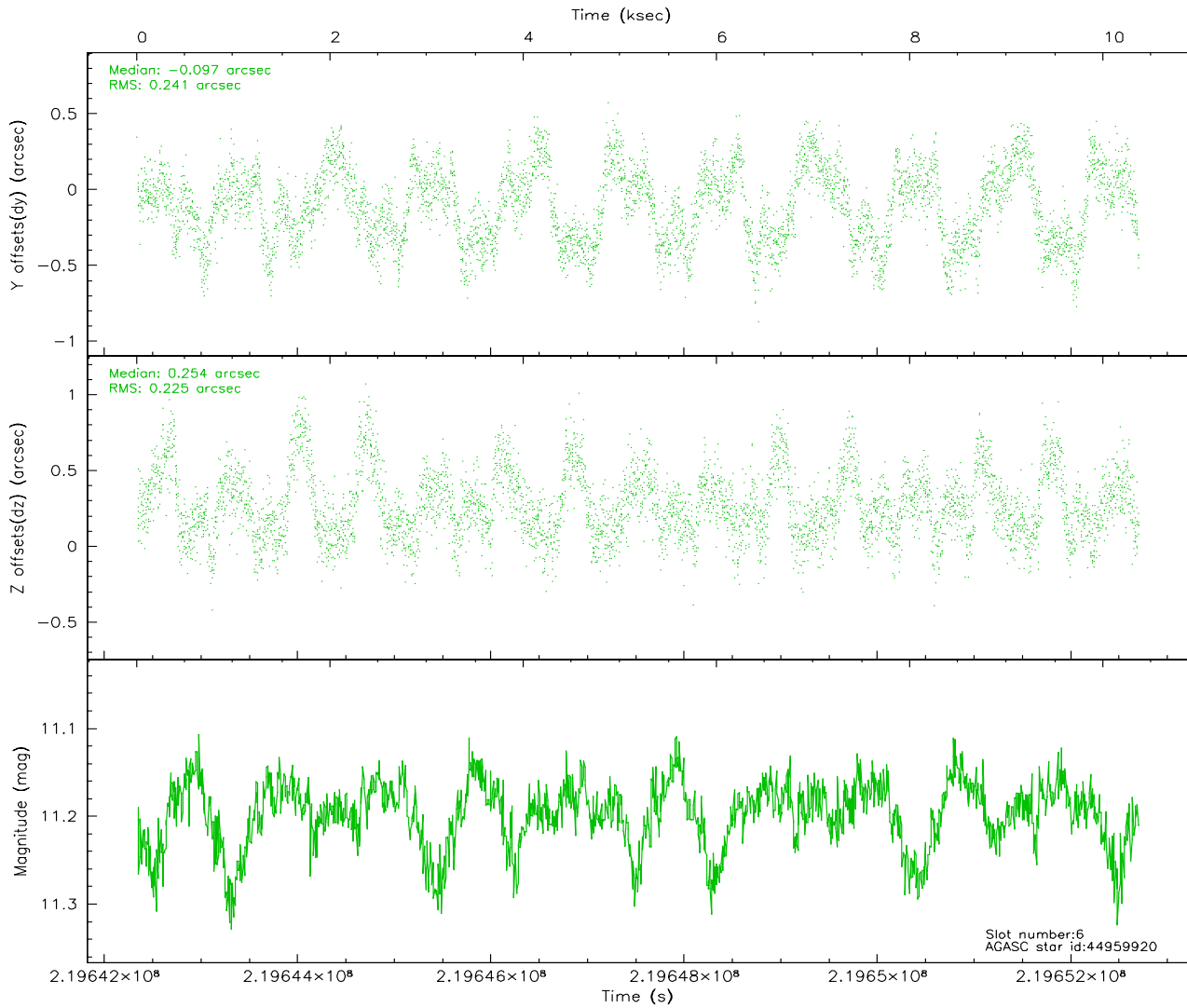
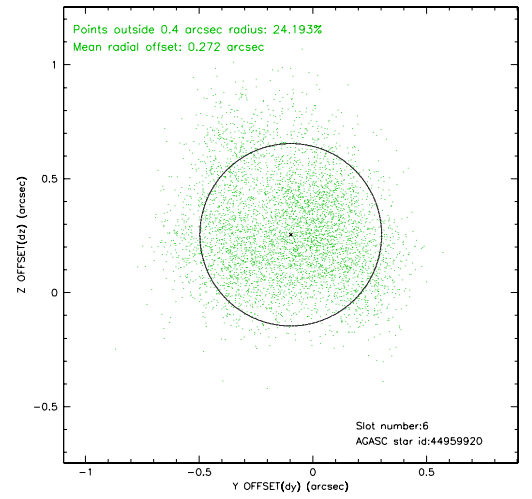
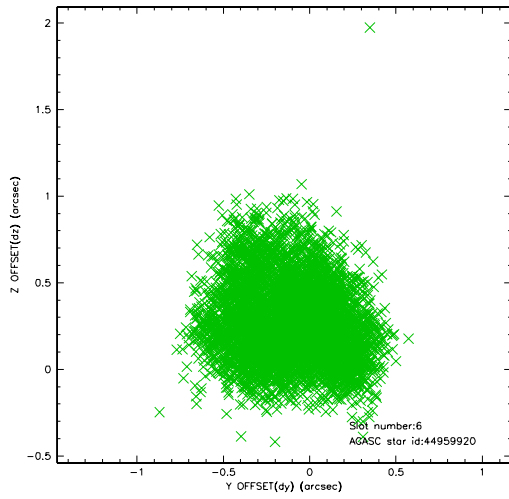
2.4.2 Slot 4



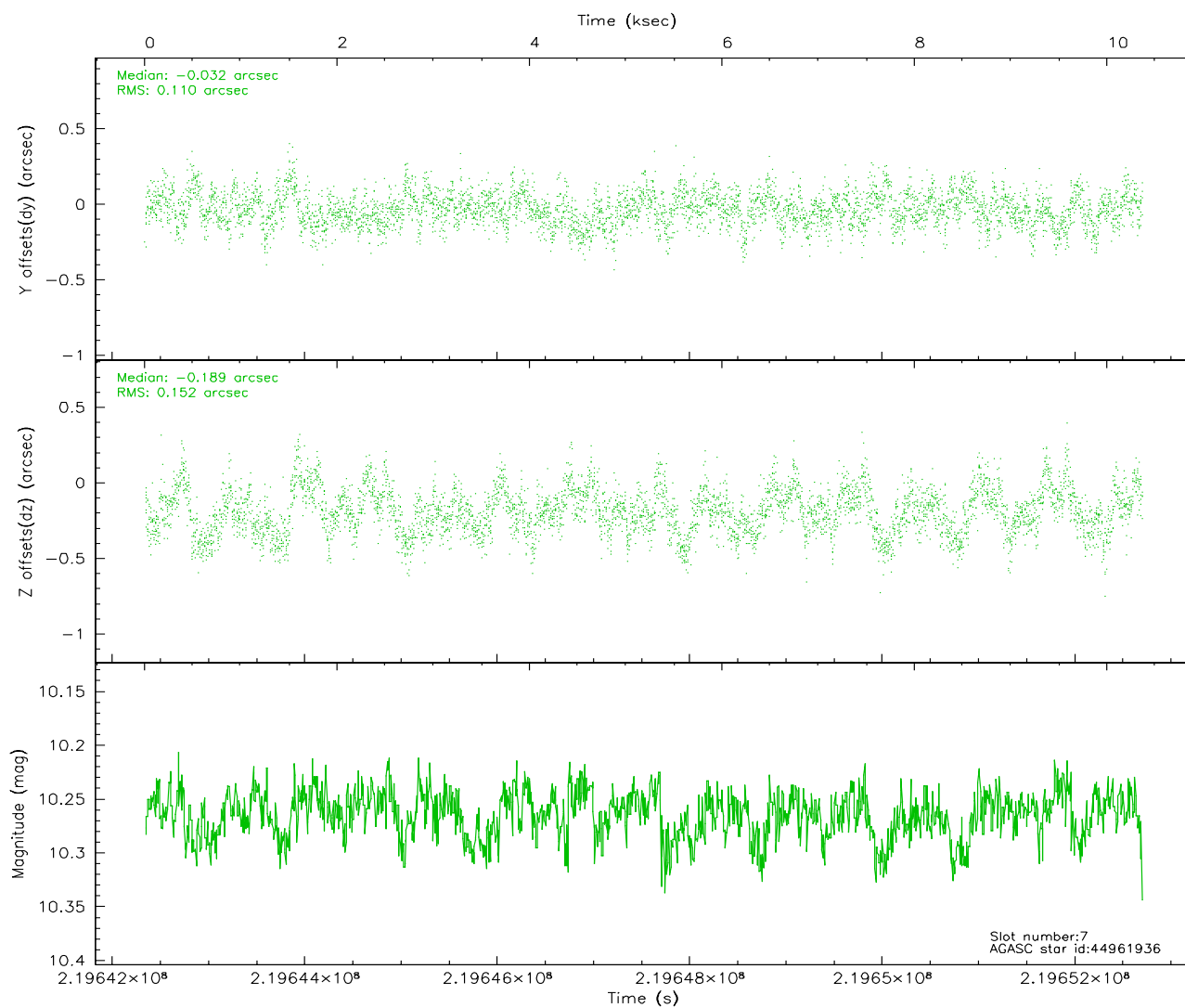
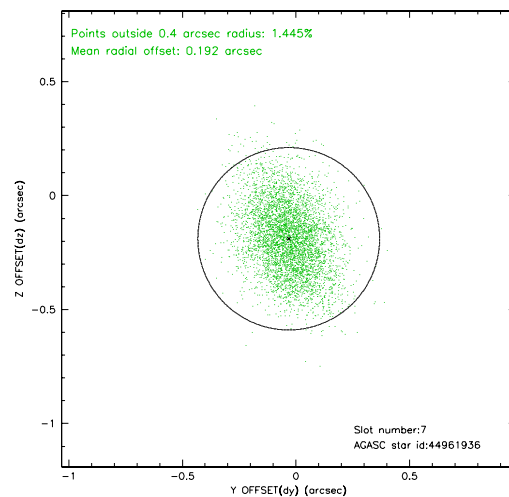
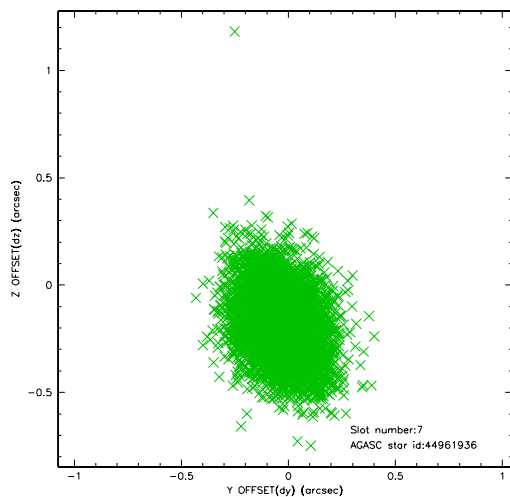
2.4.3 Slot 5



2.4.4 Slot 6

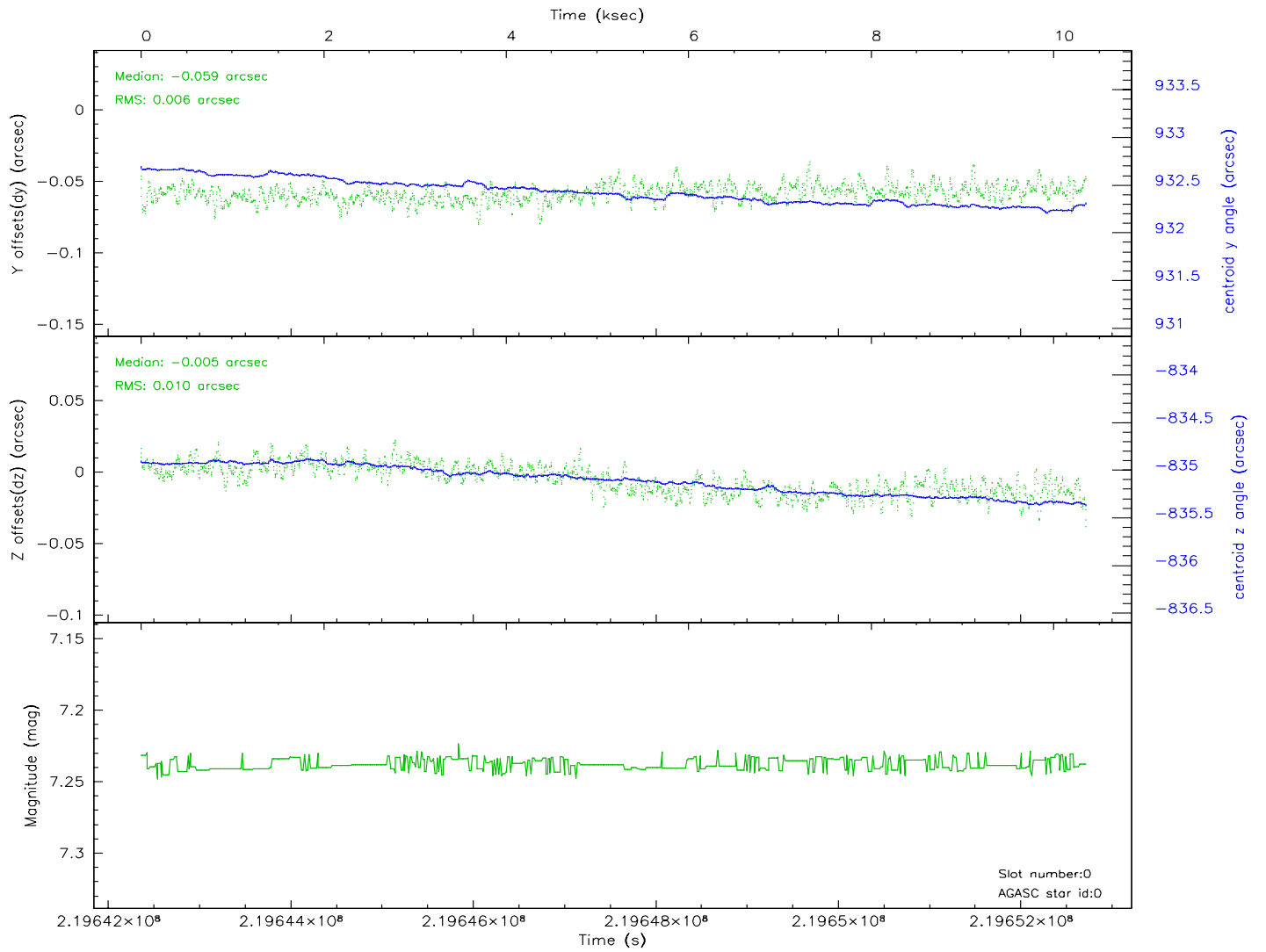
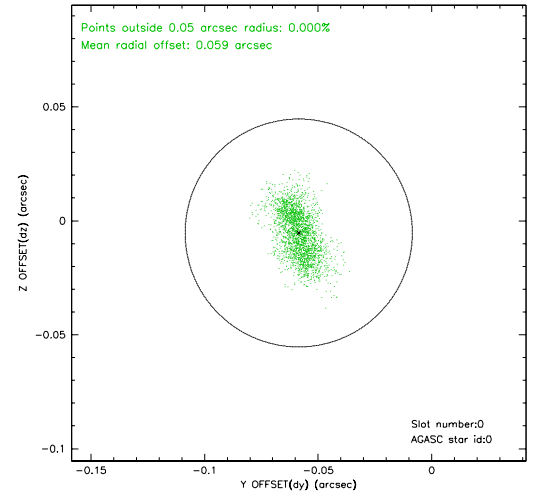
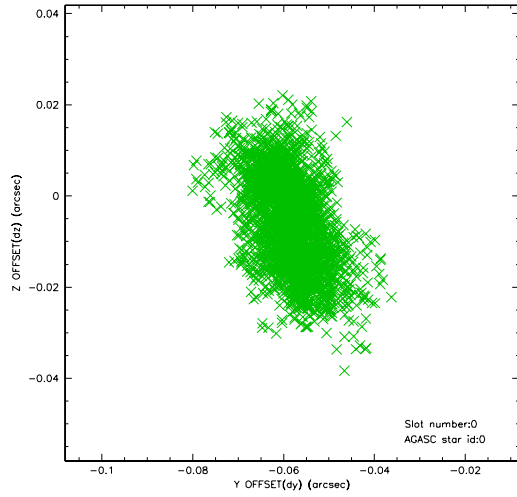


2.4.5 Slot 7

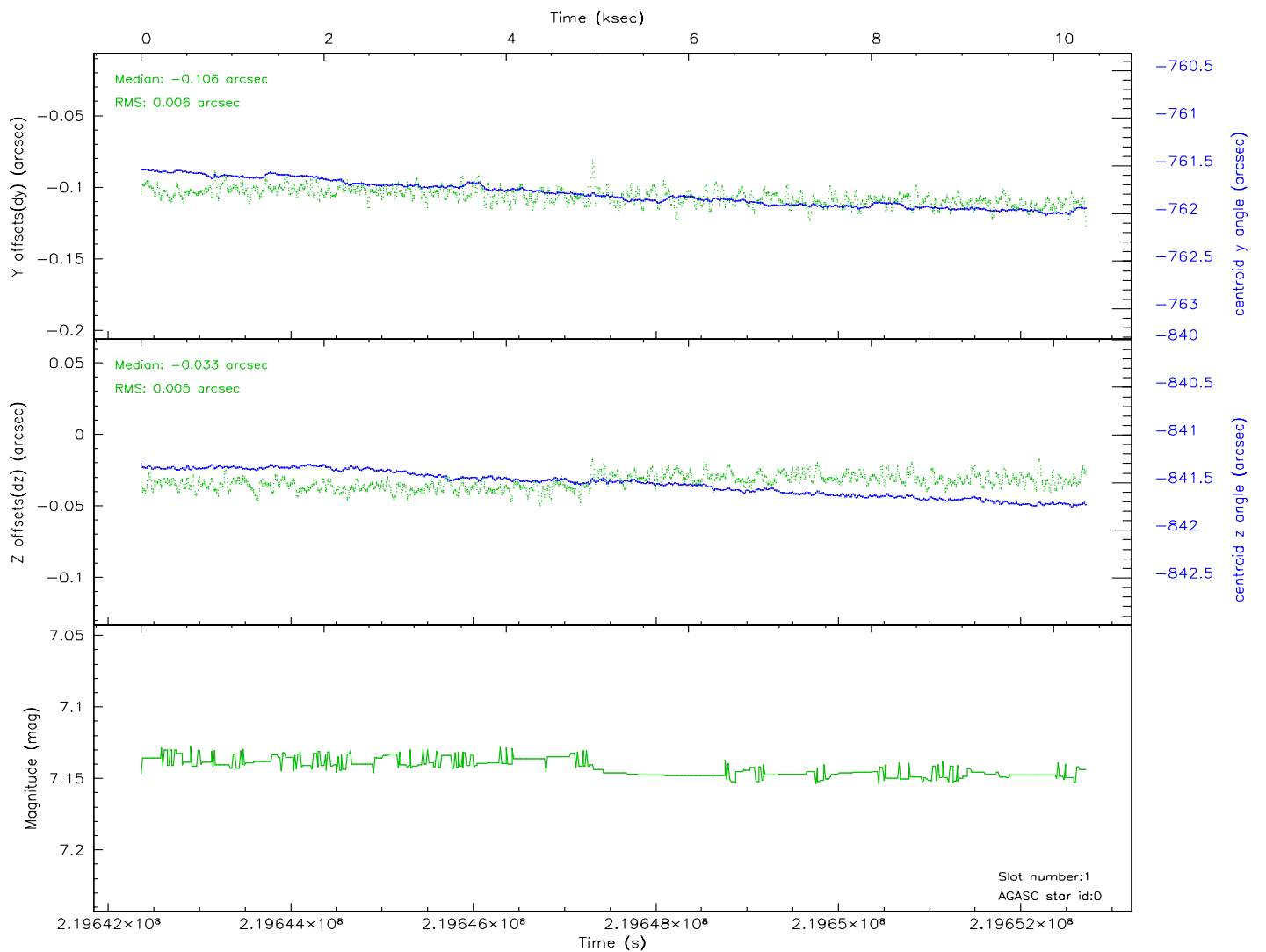
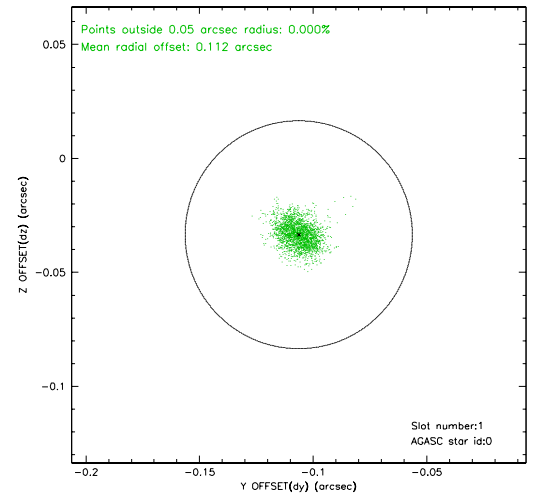
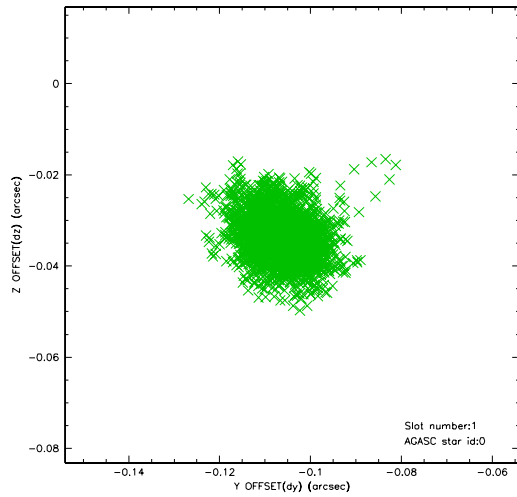


2.5 FID Slots

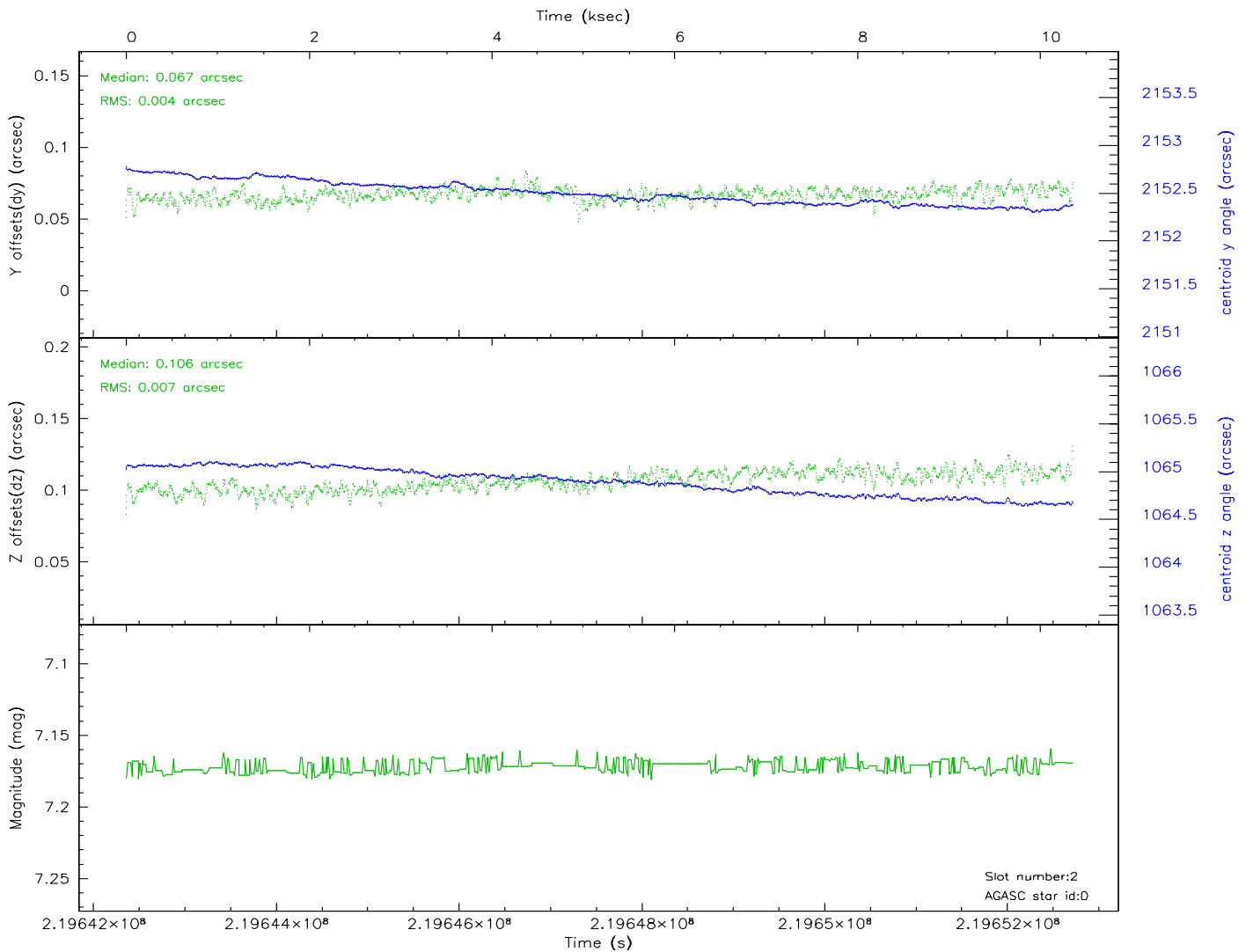
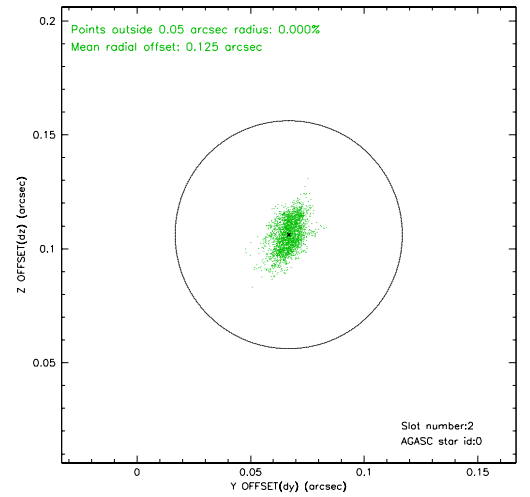
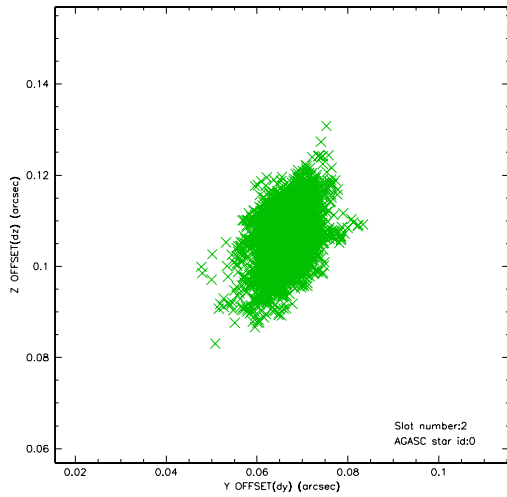
2.5.1 Slot 0



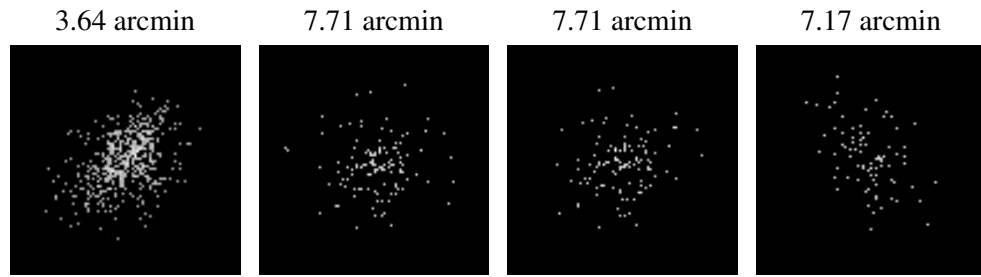
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Alaine Duffy
Date (YYYY-MM-DD)	2004-12-21
V&V Edition	1
V&V Disposition and Status	Hold
V&V Charge Time	10.05019

A.2 Comments

Slot 3 has a status of error, and I'm not sure what that means. Could someone give me some
thanks.