

V&V Reference Report

L2 ASCDS Version : 8.2.1

Observation 1137 - L2 Version 4
Chandra X-Ray Center

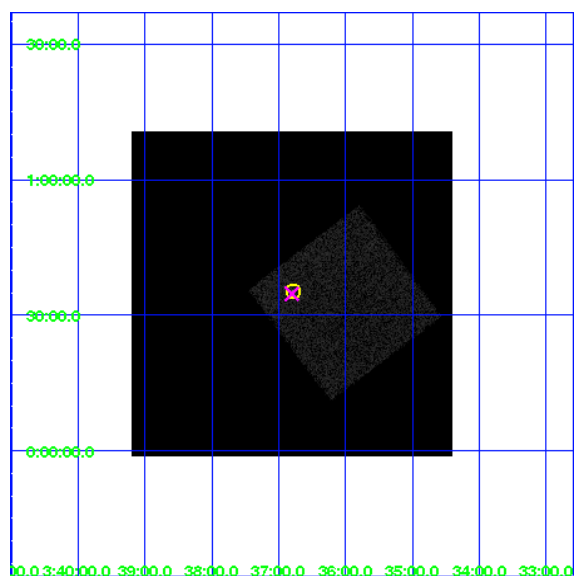
L2 Processing Date : Jan 12 2010

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Parameters	4
2.1.3	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

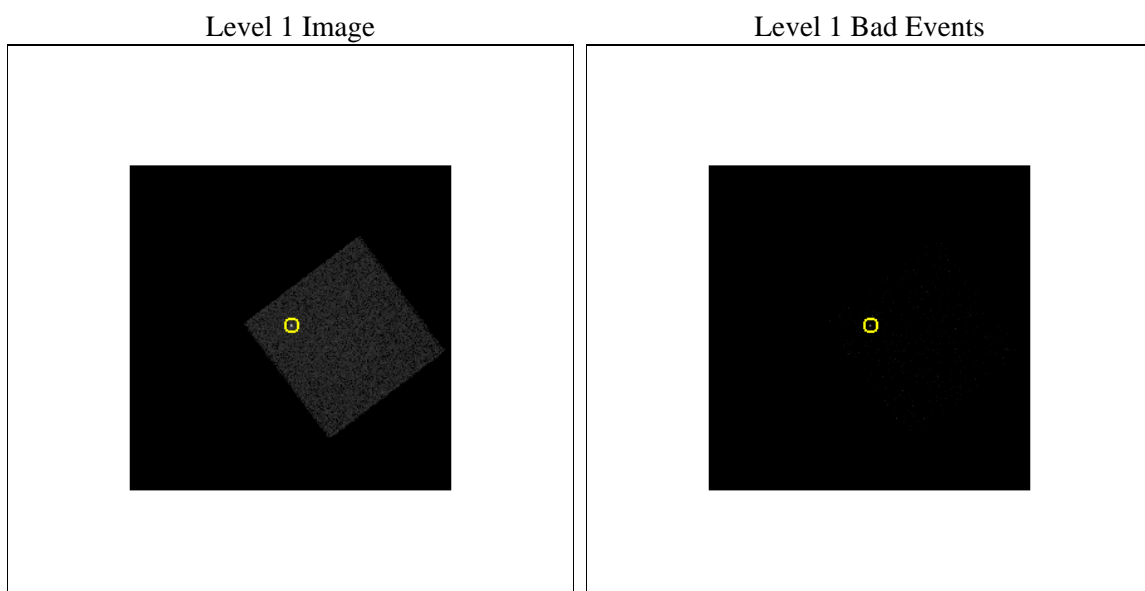
seq_num	280087	Sequence number
obs_id	1137	Observation id
title	 	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	HR1099	Source name
ra_targ	54.197083	Observer's specified target RA
dec_targ	0.589972	Observer's specified target Dec
ra_nom	54.200676749074	Nominal RA
dec_nom	0.57914749490891	Nominal Dec
roll_nom	98.114035964347	Nominal Roll
revision	4	Processing version of data
ontime	796.68127860874	[s]
livetime	790.0042565215	Ontime multiplied by DTCOR
l2events	35646	Number of level 2 events



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	0	Obi number	sched_exp_time	1000.000000	Scheduled observation exposure time
ascdsver	8.2.1	Processing system revision	ontime	796.68127860874	[s]
caldbver	4.1.5	 	l1events	57437	Number of level 1 events
date	2010-01-12T22:32:28	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

Level 1 Events

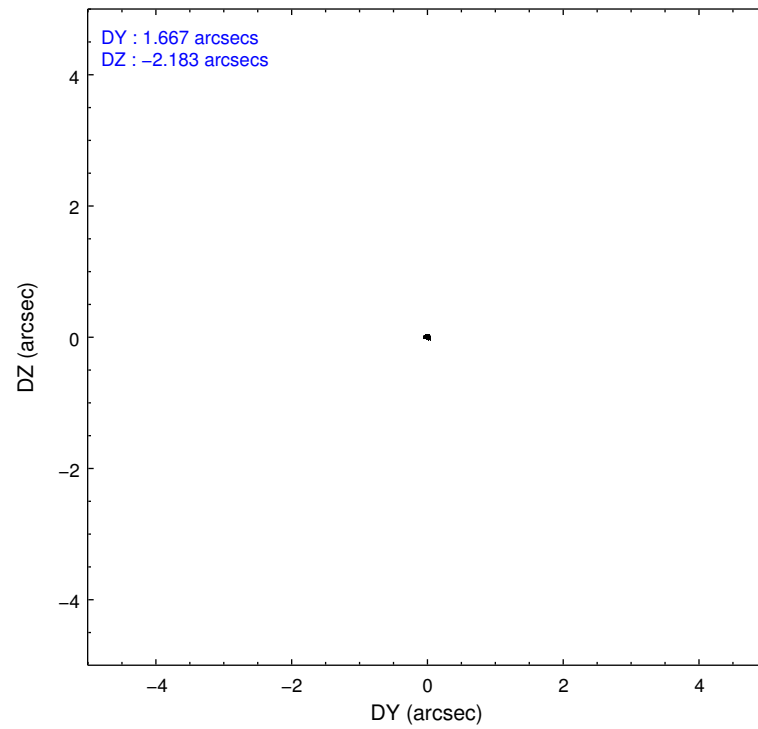
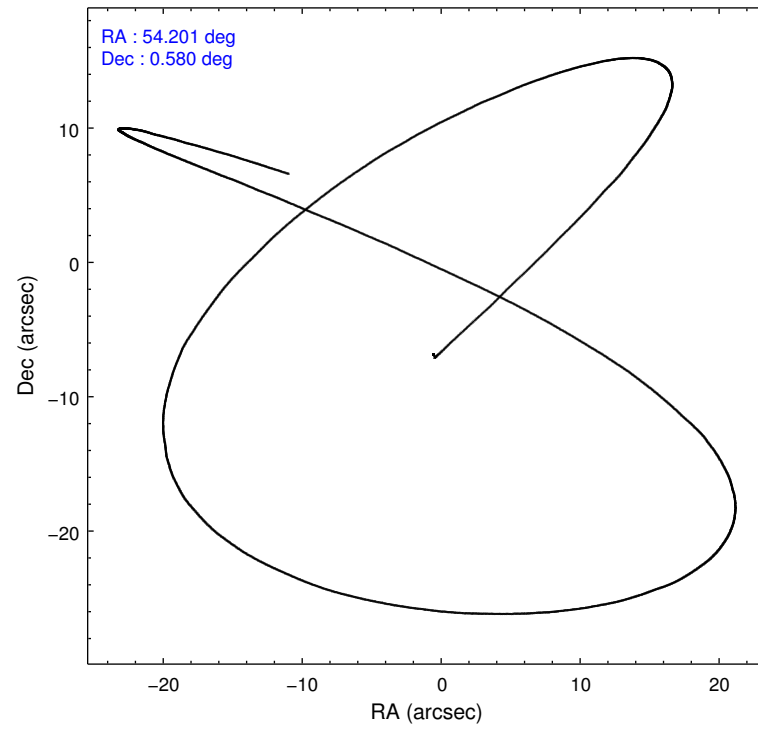
	segment 0
level 1 events	57437
rejected events	3880
rejected %	6%

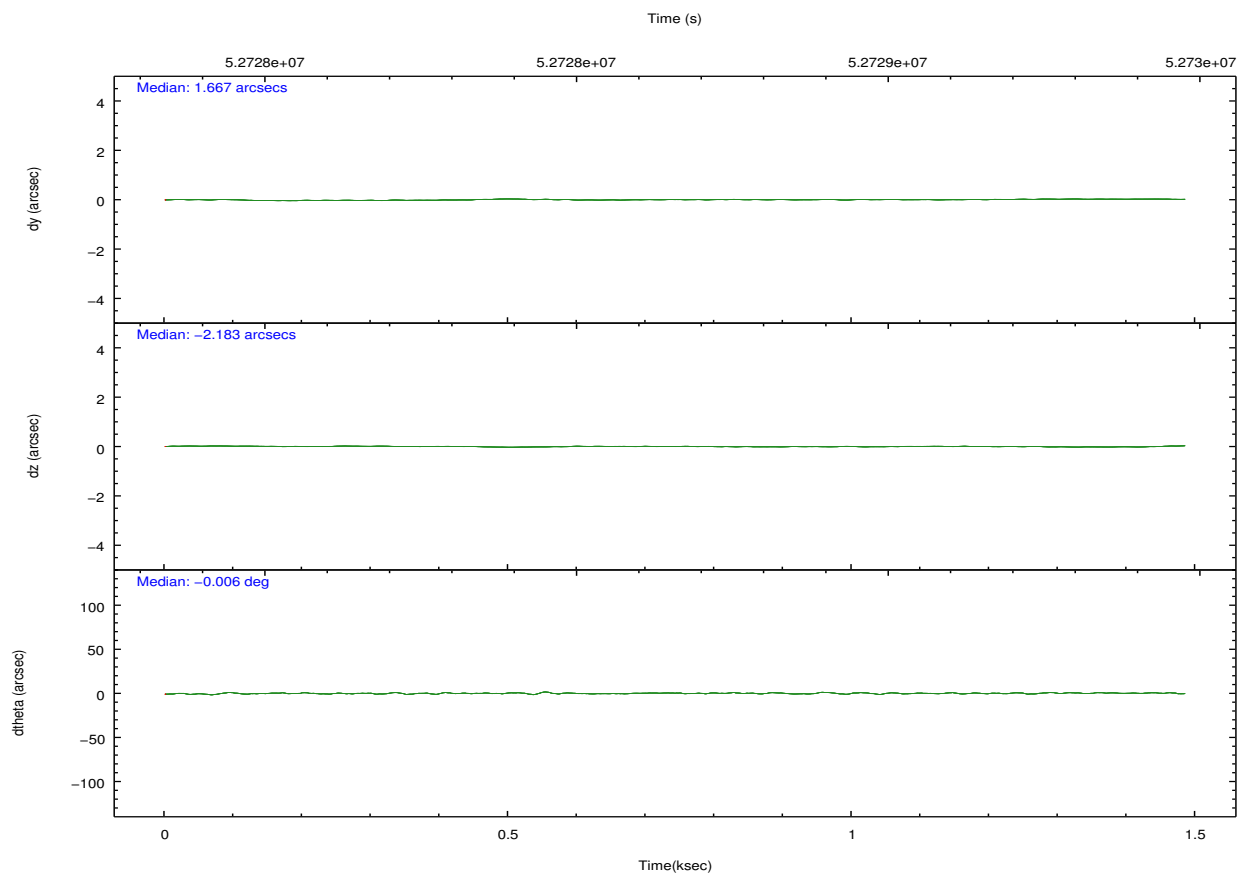
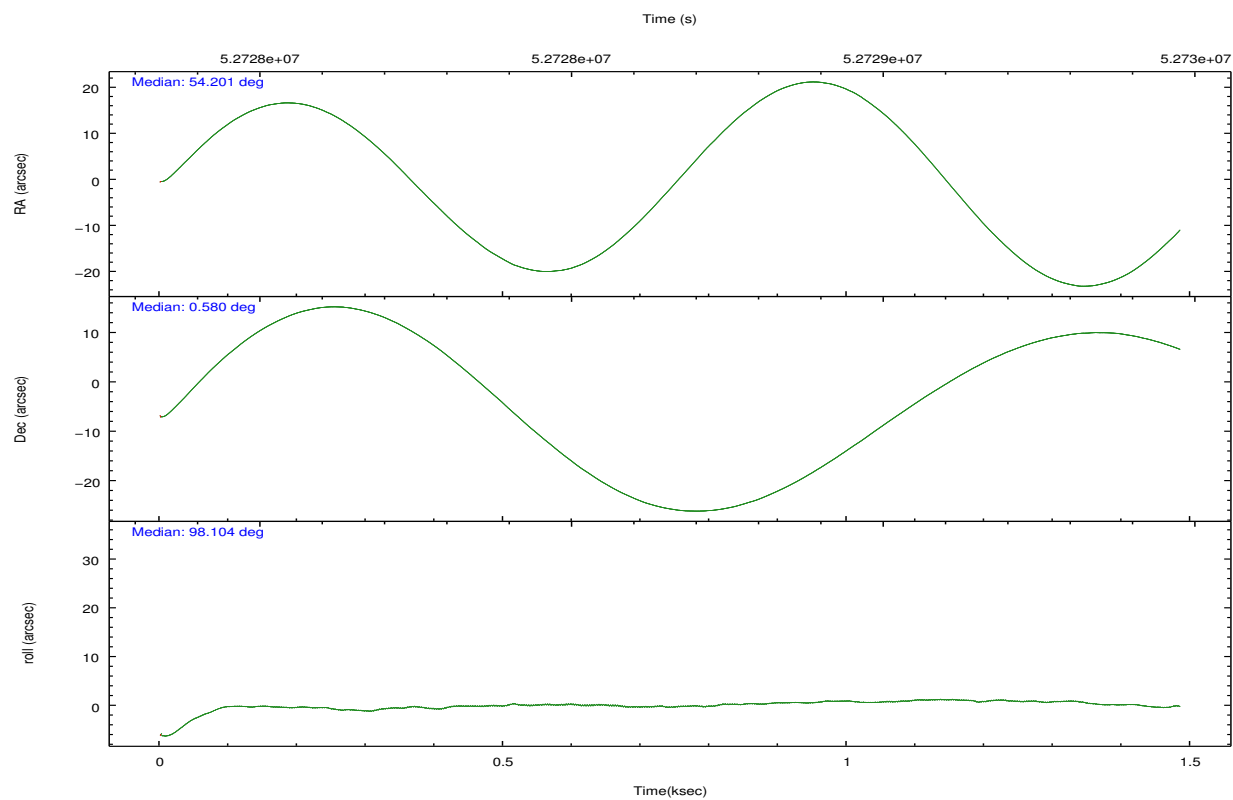
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-I	HRC-I
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
Pointing RA	54.217730	54.20067674907395
Pointing Dec	0.556574	0.5791474949089108
Pointing Roll	98.209348	98.11403596434667
SIM focus pos (mm)	-1.040293	-1.300001029371461
SIM defocus (mm)	0	-0.259708408712586
SIM translation stage pos (mm)	91.869942	91.86553817309772
SIM translation stage offset (mm)	35.115552	35.11995071850384
Observation start time	52728402.184000	52727735.969387
Observation start date	1999-09-03T06:45:38	1999-09-03T06:35:35
Observation end time	52729402.184000	52729535.869451
Observation end date	1999-09-03T07:02:18	1999-09-03T07:05:35

Parameter	Planned	Actual
Obspar format version number	6	6
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED

2.3 Aspect



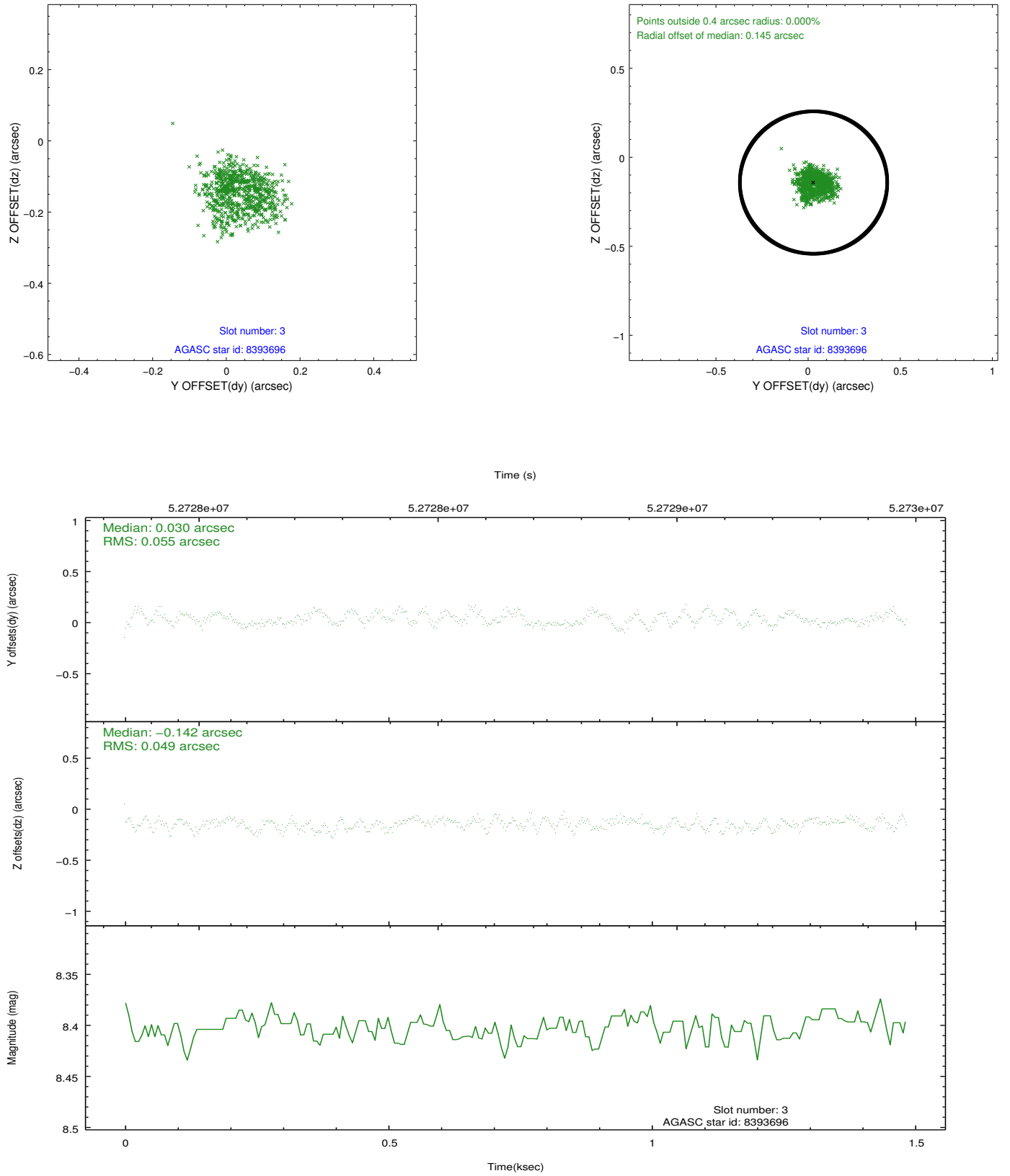


Slot Statistics

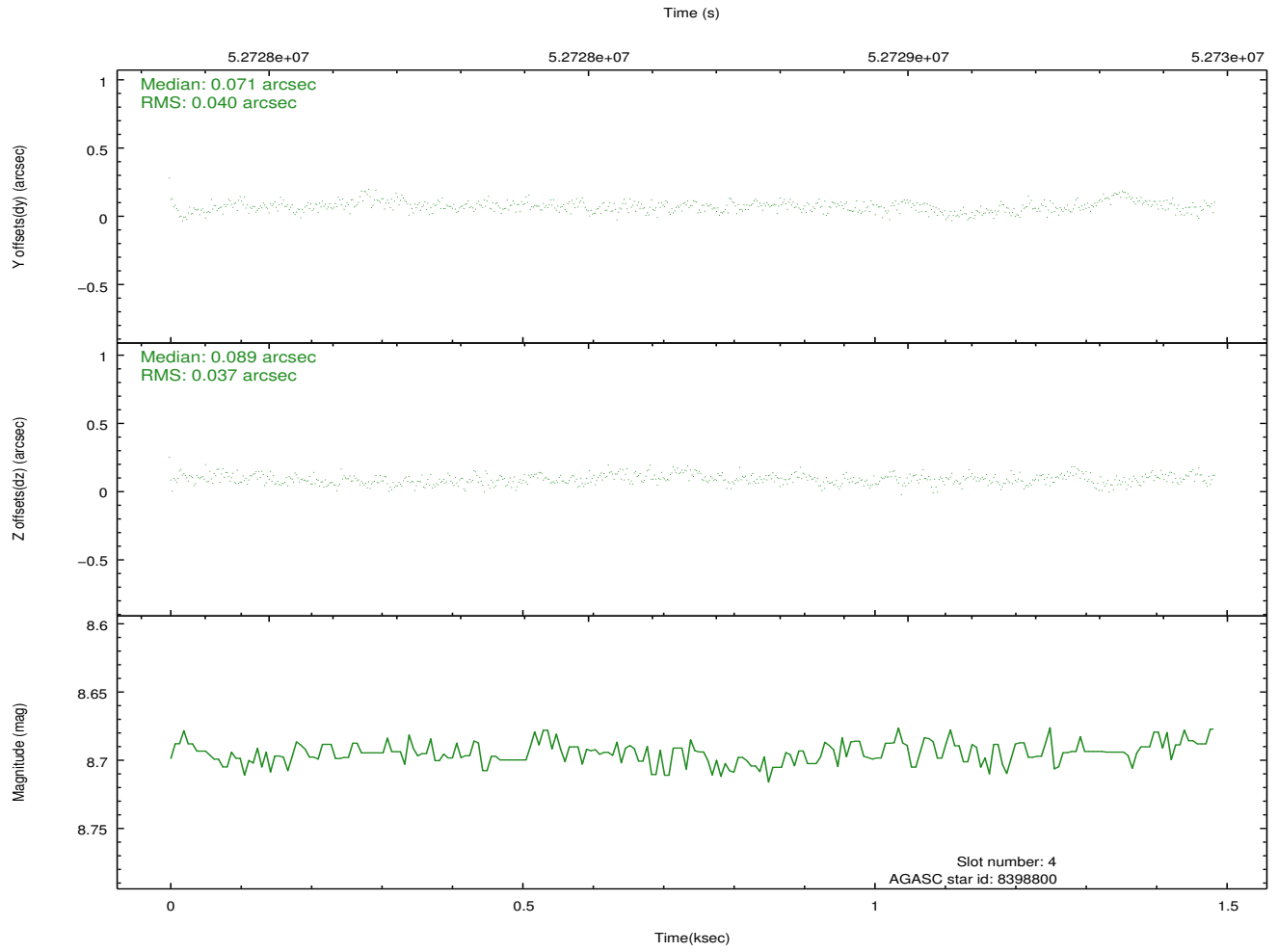
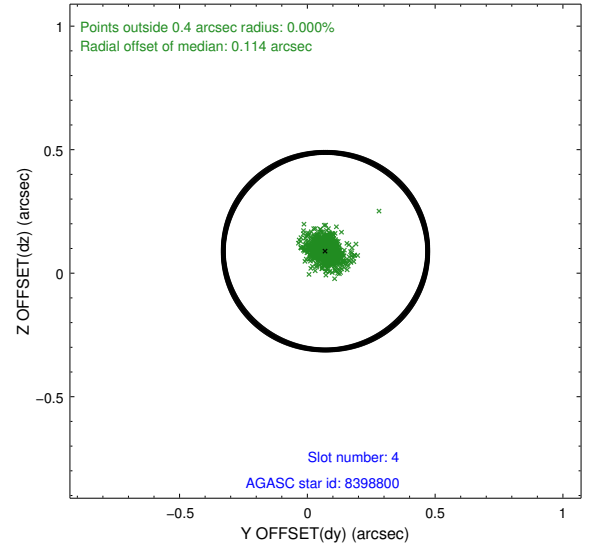
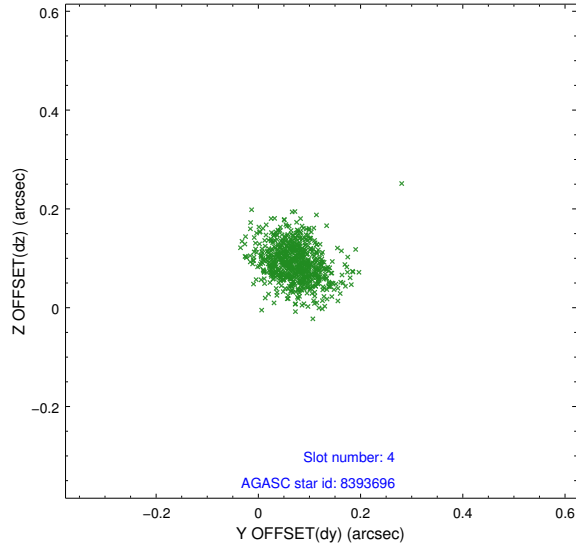
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.95	725	-0.266	-0.133	0.007	0.010	0.000000	0.000000	-755.82	-567.53
1	FID	HRC-I-3	7.01	725	0.251	-0.227	0.006	0.011	0.000000	0.000000	-1187.43	1739.81
2	FID	HRC-I-4	6.87	725	0.130	0.268	0.005	0.008	0.000000	0.000000	1283.07	1741.70
3	GUIDE	8393696	8.40	725	0.030	-0.142	0.078	0.123	53.645666	0.680479	731.32	1974.11
4	GUIDE	8398800	8.69	725	0.071	0.089	0.056	0.098	54.242352	0.922024	1286.56	-272.90
5	GUIDE	8390744	9.02	725	-0.019	-0.123	0.079	0.131	53.677290	0.926294	1592.68	1734.81
6	GUIDE	8395104	8.66	725	0.036	0.208	0.074	0.114	54.744893	0.796520	582.65	-1999.16
7	GUIDE	8399352	9.96	724	-0.128	-0.032	0.123	0.198	53.946831	1.204693	2445.12	629.20

2.4 Star Slots

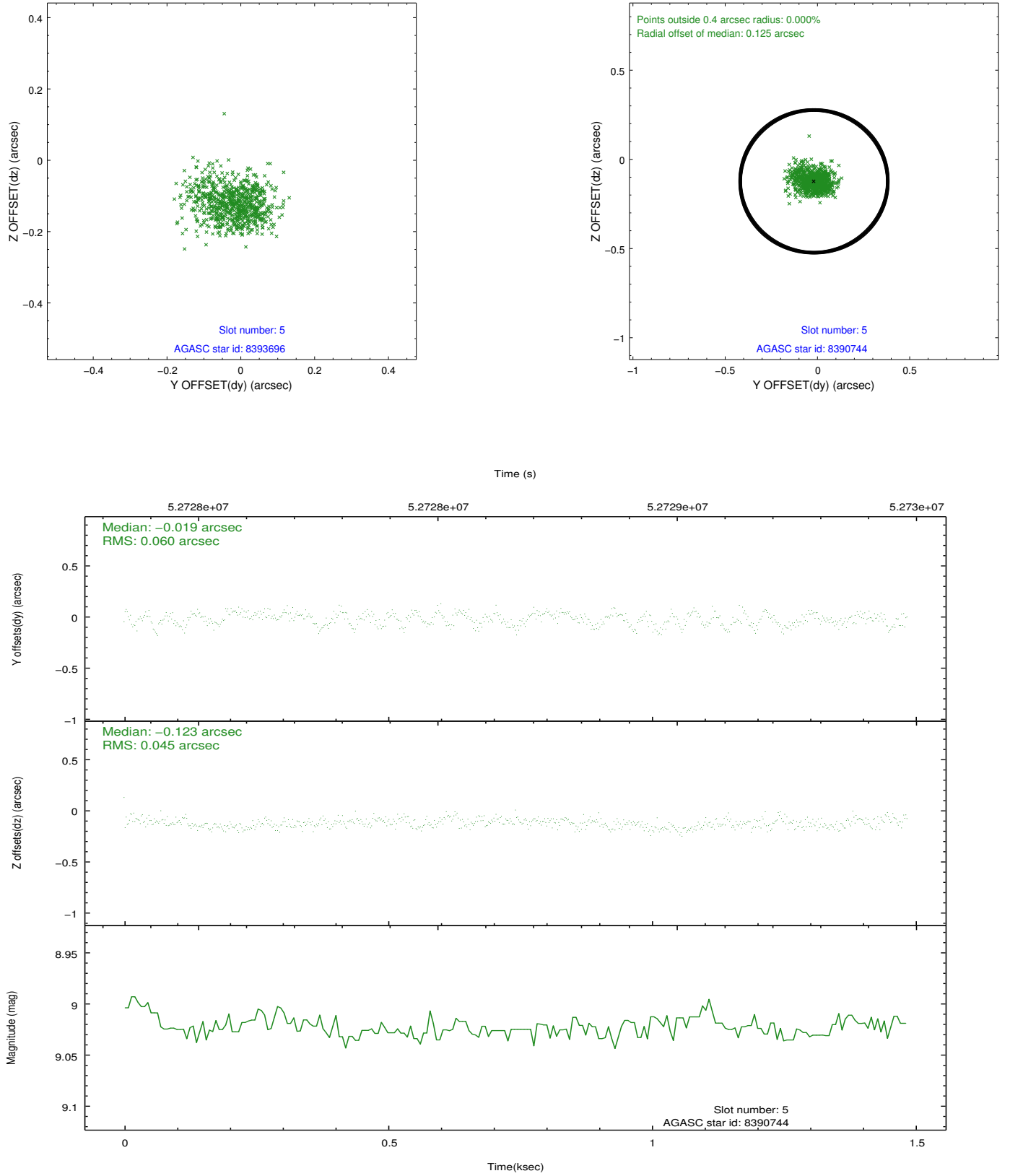
2.4.1 Slot 3



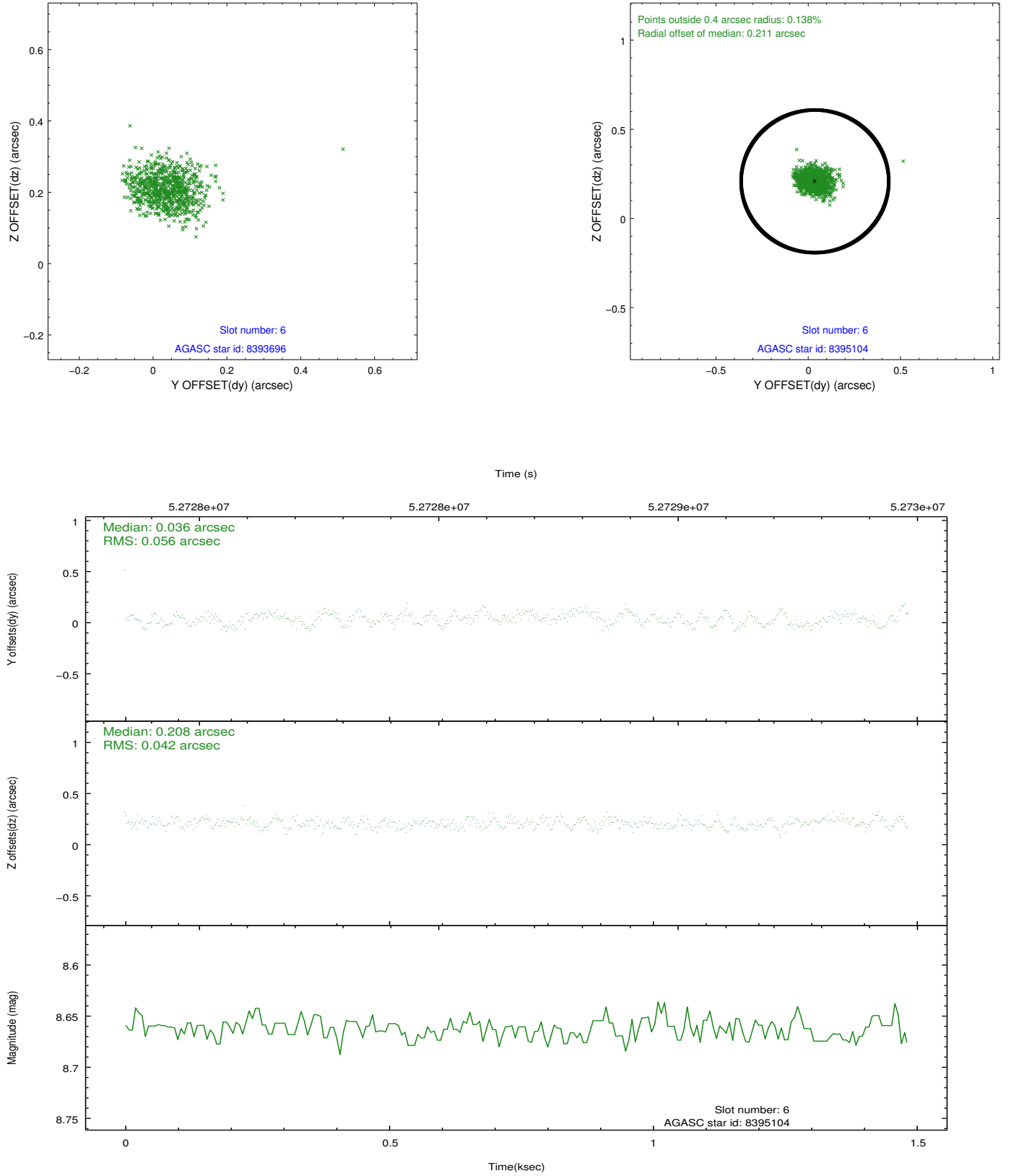
2.4.2 Slot 4



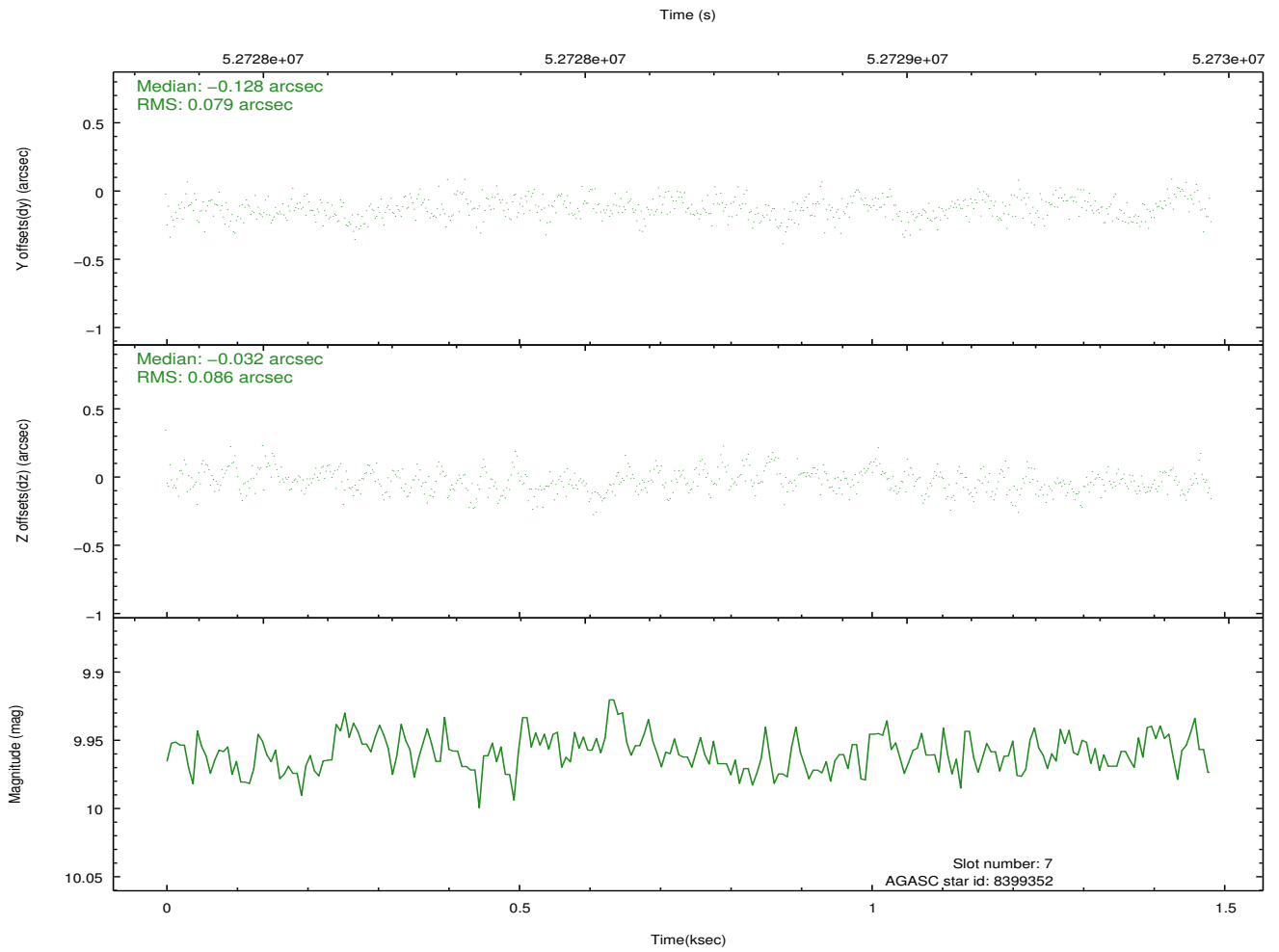
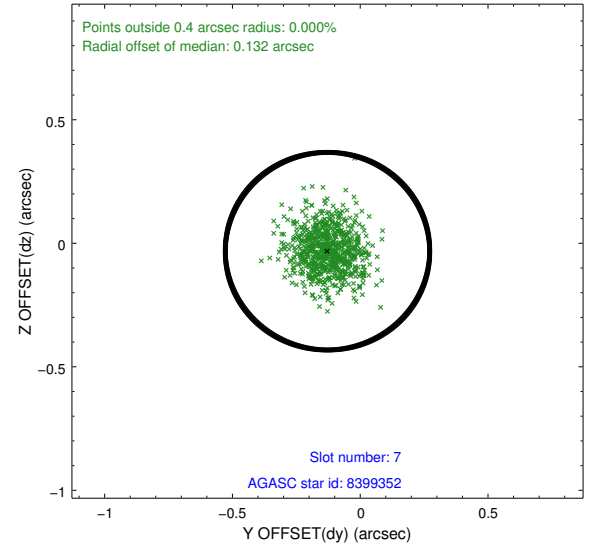
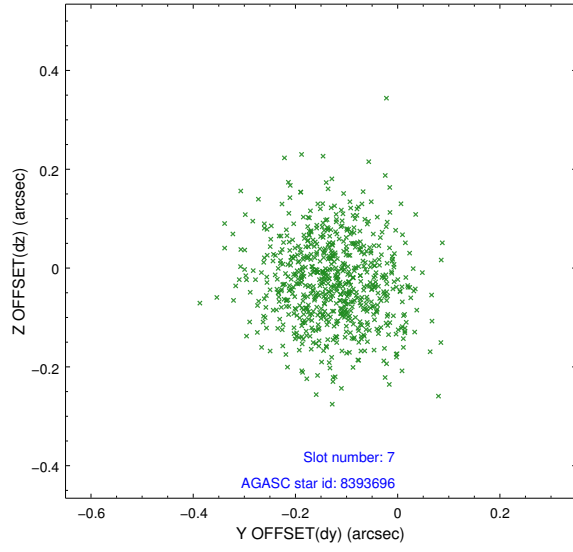
2.4.3 Slot 5



2.4.4 Slot 6

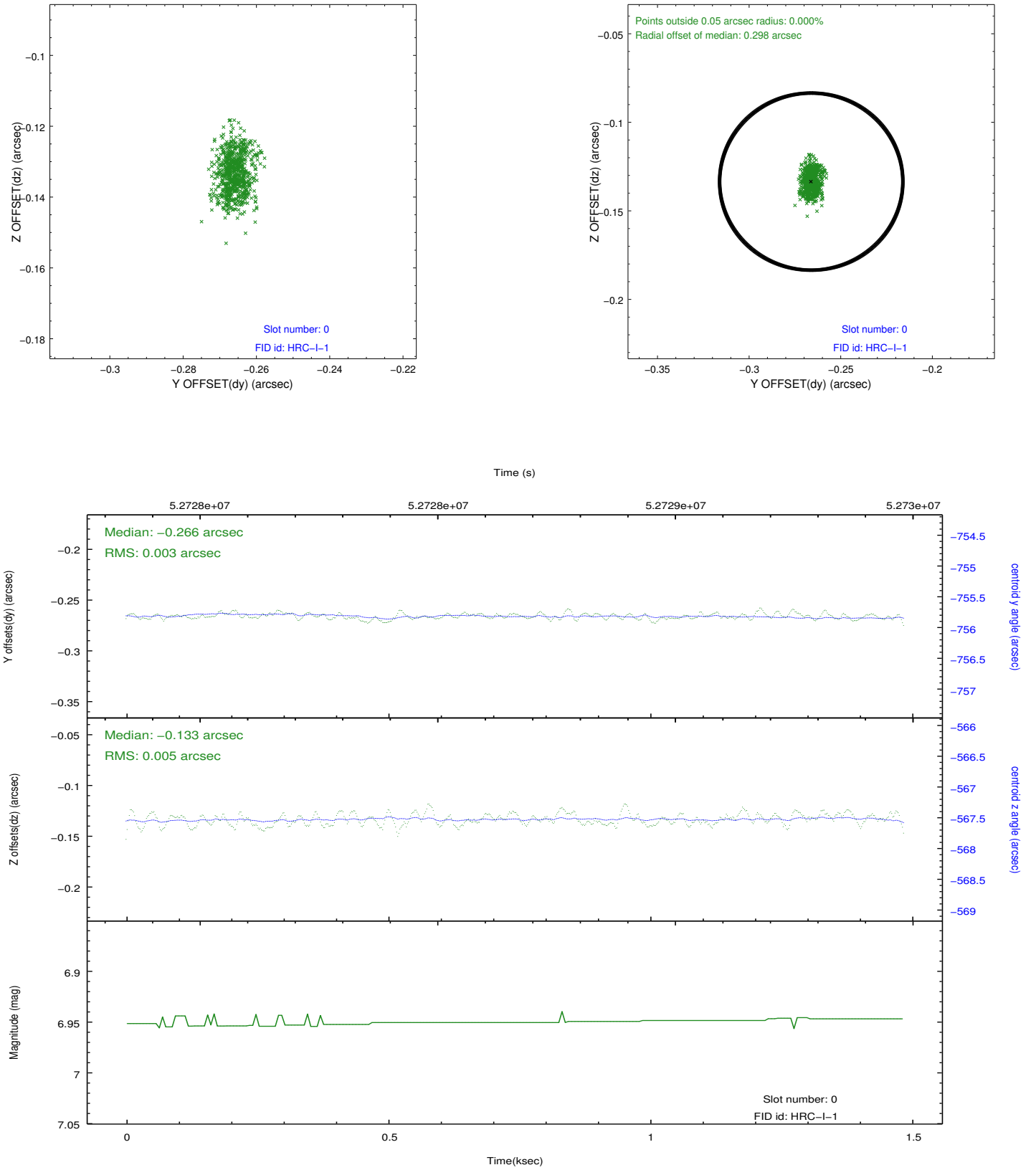


2.4.5 Slot 7

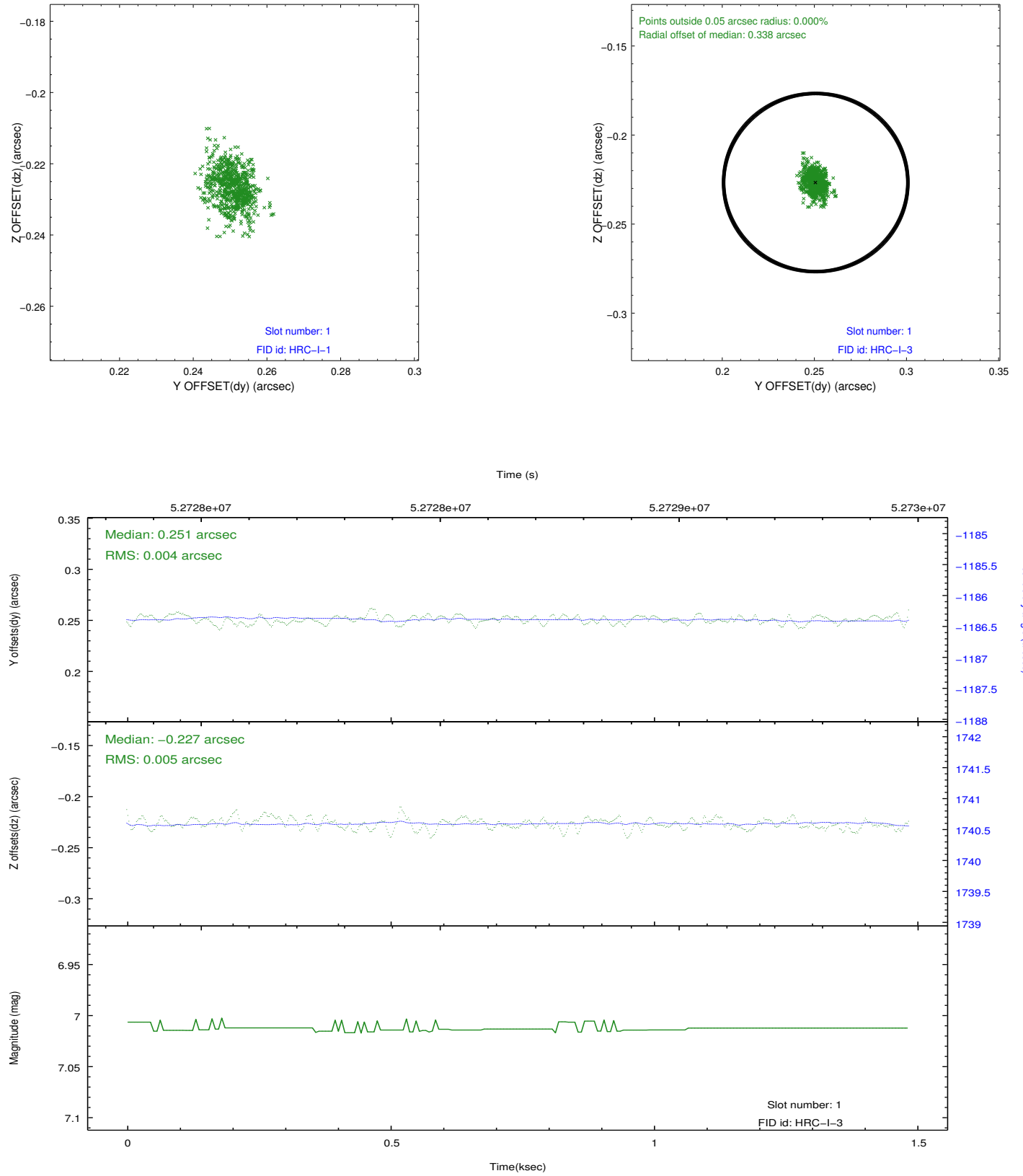


2.5 FID Slots

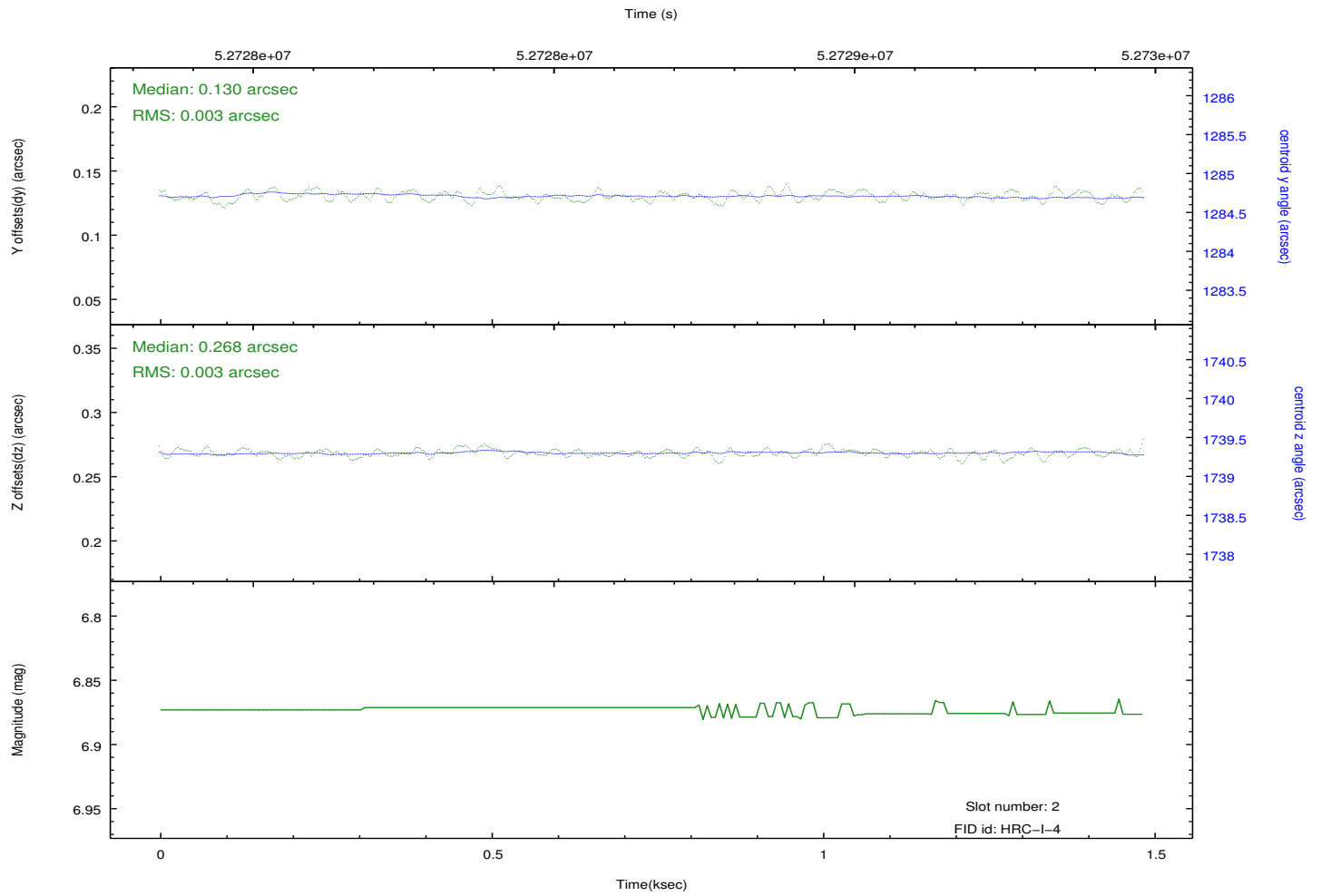
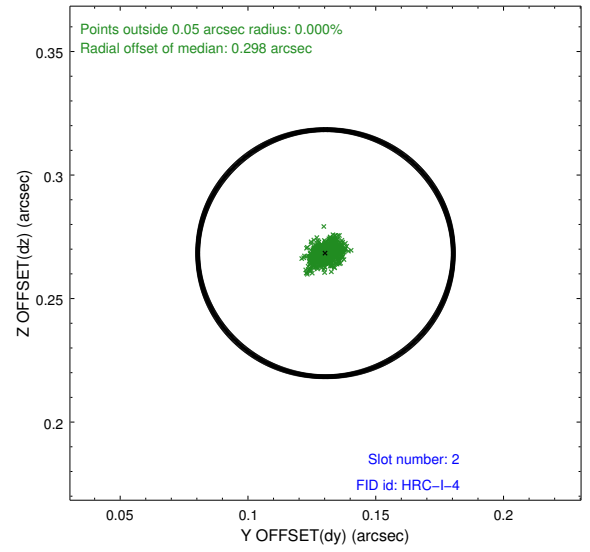
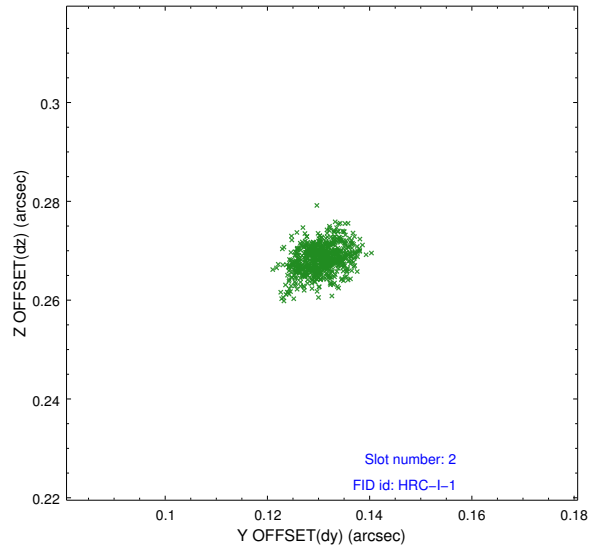
2.5.1 Slot 0



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)	2010.01.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	0.796

A.2 Comments

This observation was performed with a large SIM offset, per PI request. As a result, the fid light positions are offset beyond normally expected ranges, but the fid light position correction has compensated for this offset.