

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 6547 - L2 Version 4
Chandra X-Ray Center

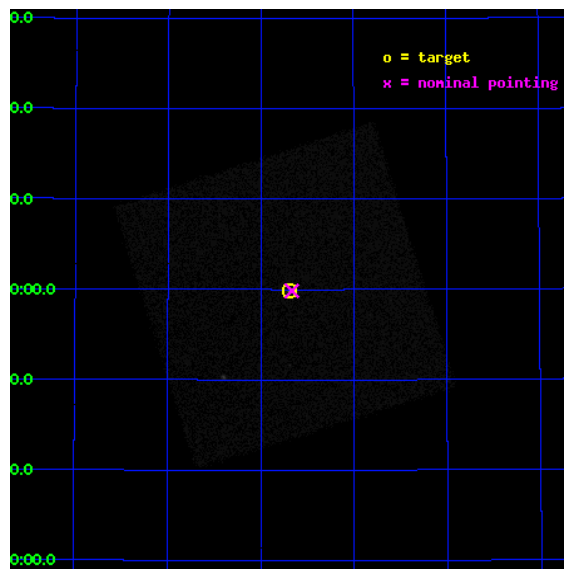
L2 Processing Date : Aug 10 2012

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
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

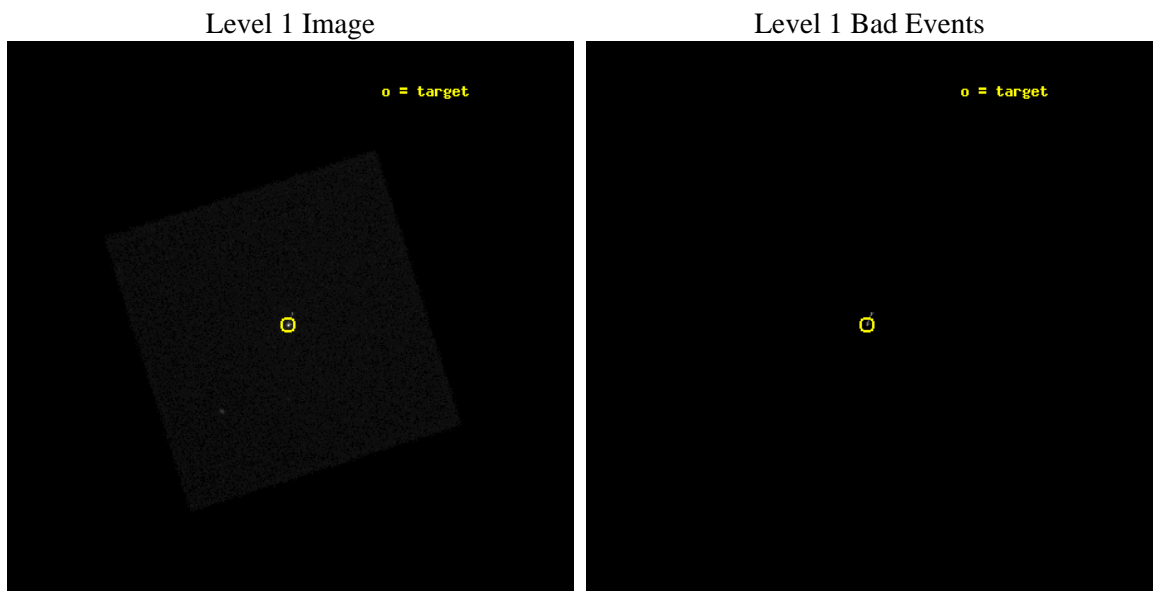
seq_num	290640	Sequence number
obs_id	6547	Observation id
title	Improving the De-Gap Corrections for the HRC-I	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	Capella	Source name
ra_targ	79.1725	Observer's specified target RA [deg]
dec_targ	45.998	Observer's specified target Dec [deg]
ra_nom	79.166476508714	Nominal RA [deg]
dec_nom	45.997741475978	Nominal Dec [deg]
roll_nom	207.40039822005	Nominal Roll [deg]
revision	4	Processing version of data
ontime	5187.7814901471	[s]
livetime	5141.2387795413	Ontime multiplied by DTCOR
l2events	319710	Number of level 2 events



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	1	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	5187.7814901471	[s]
caldbver	4.5.1.1	 	l1events	481096	Number of level 1 events
date	2012-08-10T19:27:11	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

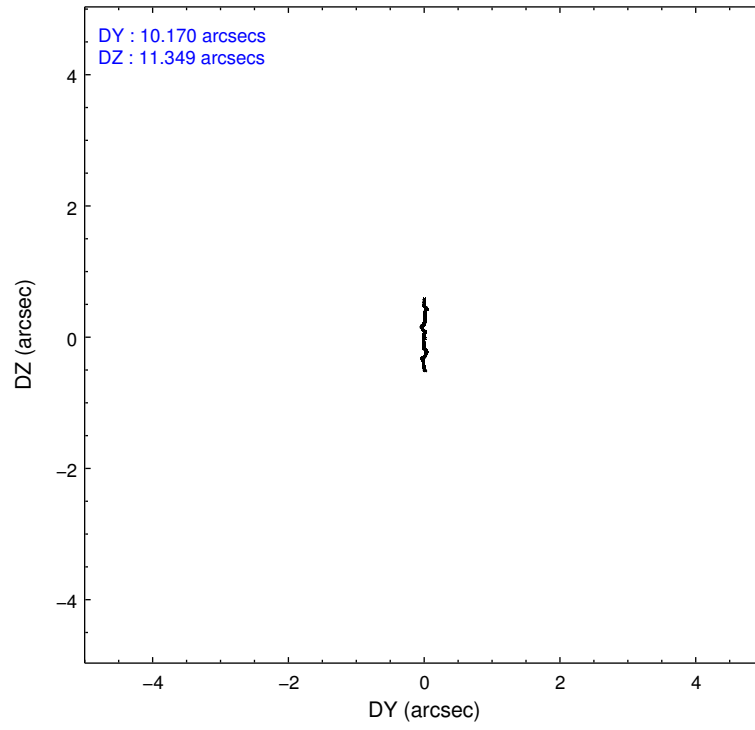
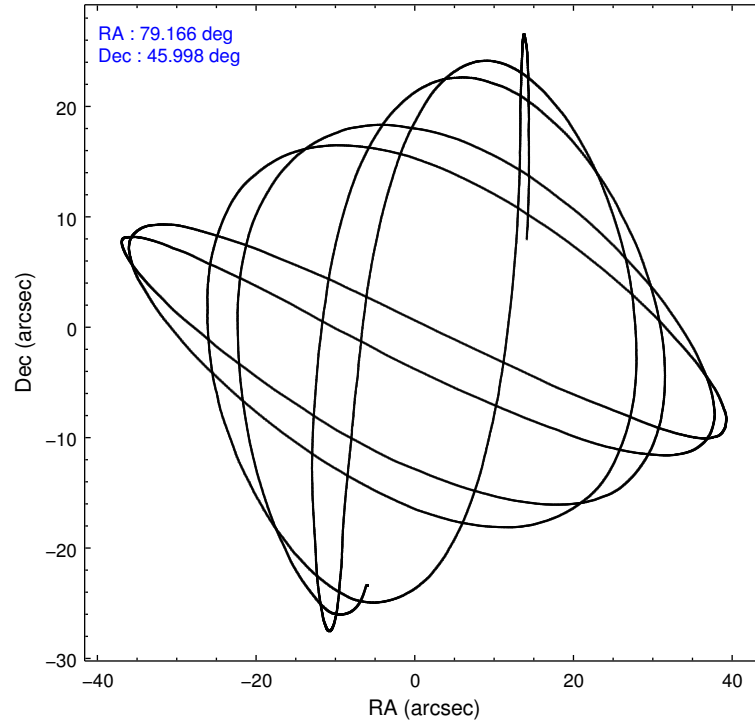
Level 1 Events

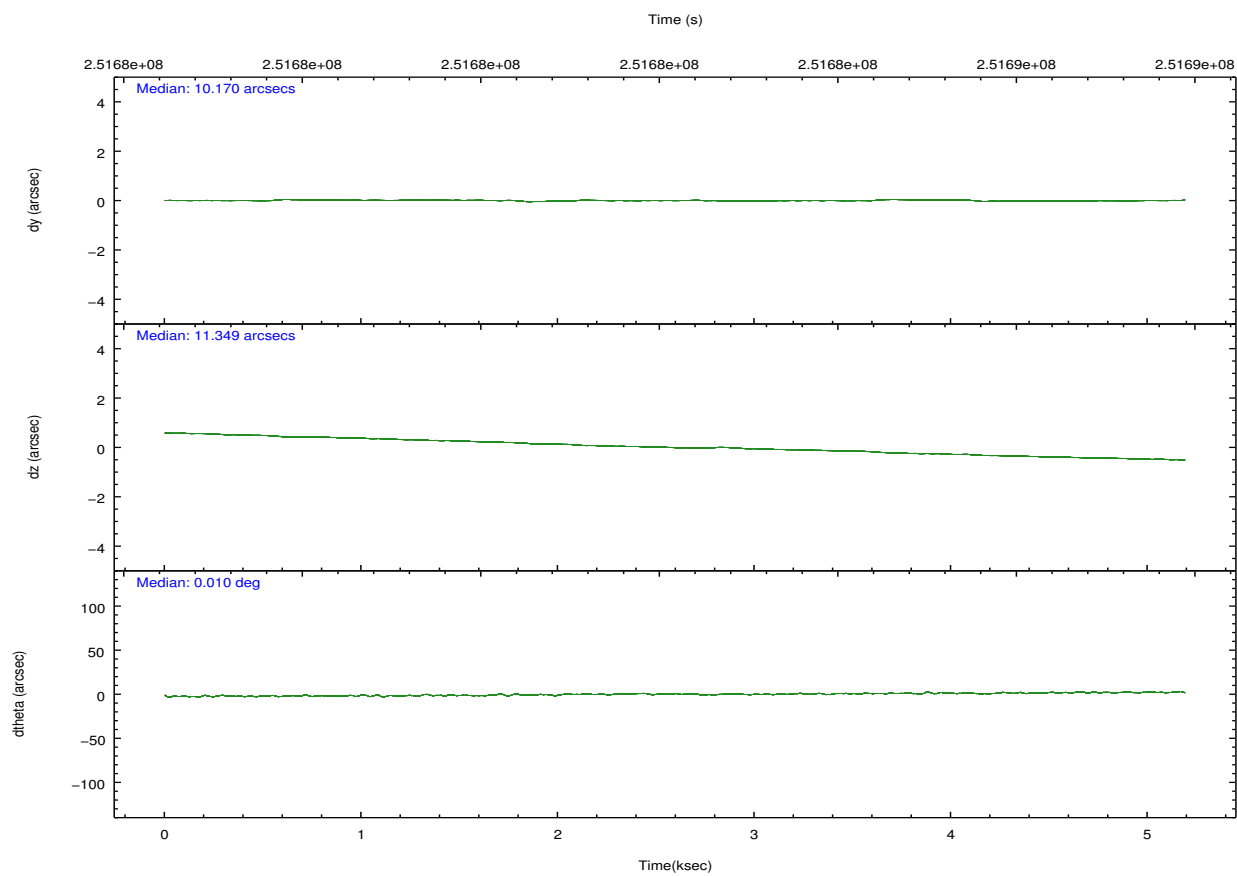
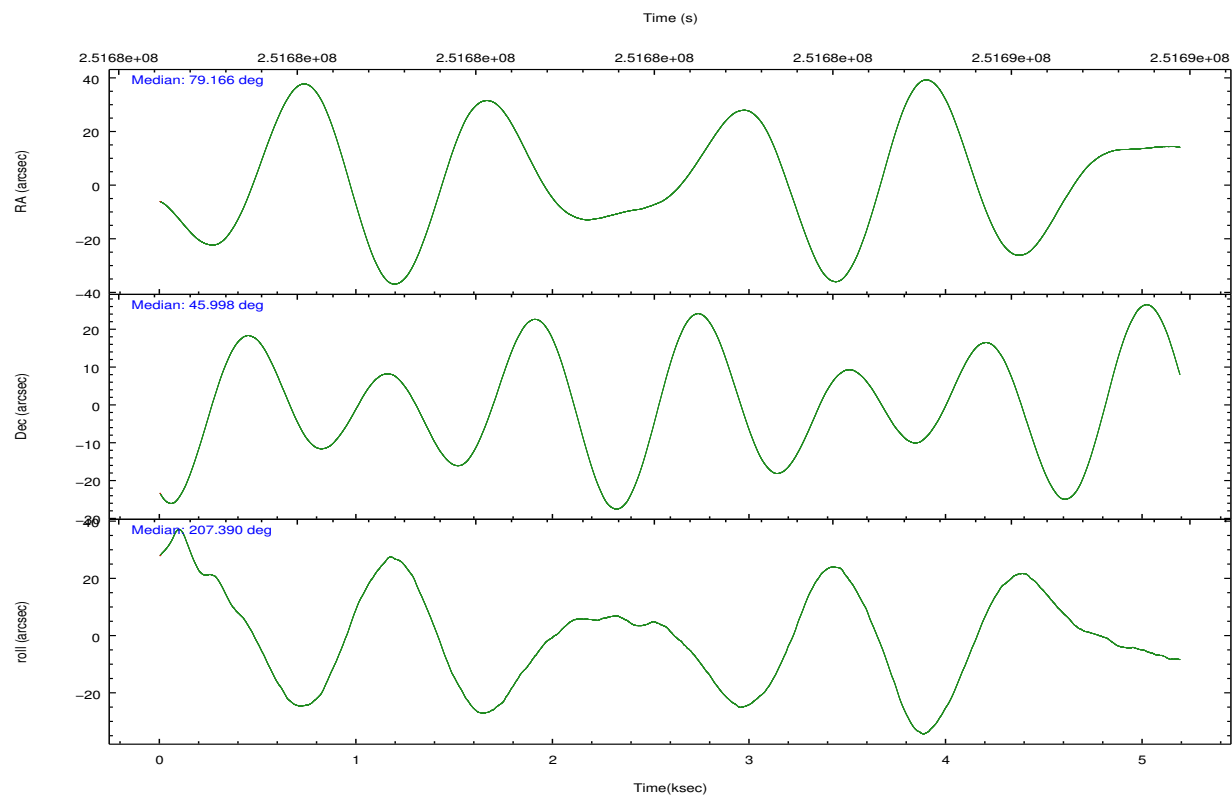
	segment 0
level 1 events	481096
rejected events	55508
rejected %	11%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	7	7
Detector	HRC-I	HRC-I	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
[deg] Pointing RA	79.186786	79.16647650871401			
[deg] Pointing Dec	46.020811	45.99774147597762			
[deg] Pointing Roll	207.481269	207.4003982200465			
[mm] SIM focus pos	-1.040293	-1.038866356238299			
[mm] SIM defocus	0	0.001426264420575141			
[mm] SIM translation stage pos	123.985494	123.9859161505267			
[mm] SIM translation stage offset	3	2.999572741074843			
[s] Observation start time (MET)	251681681.184000	251680827.47983			
Observation start date	2005-12-22T23:33:37	2005-12-22T23:20:27			
[s] Observation end time (MET)	251686681.184000	251686814.50511			
Observation end date	2005-12-23T00:56:57	2005-12-23T01:00:14			

2.3 Aspect



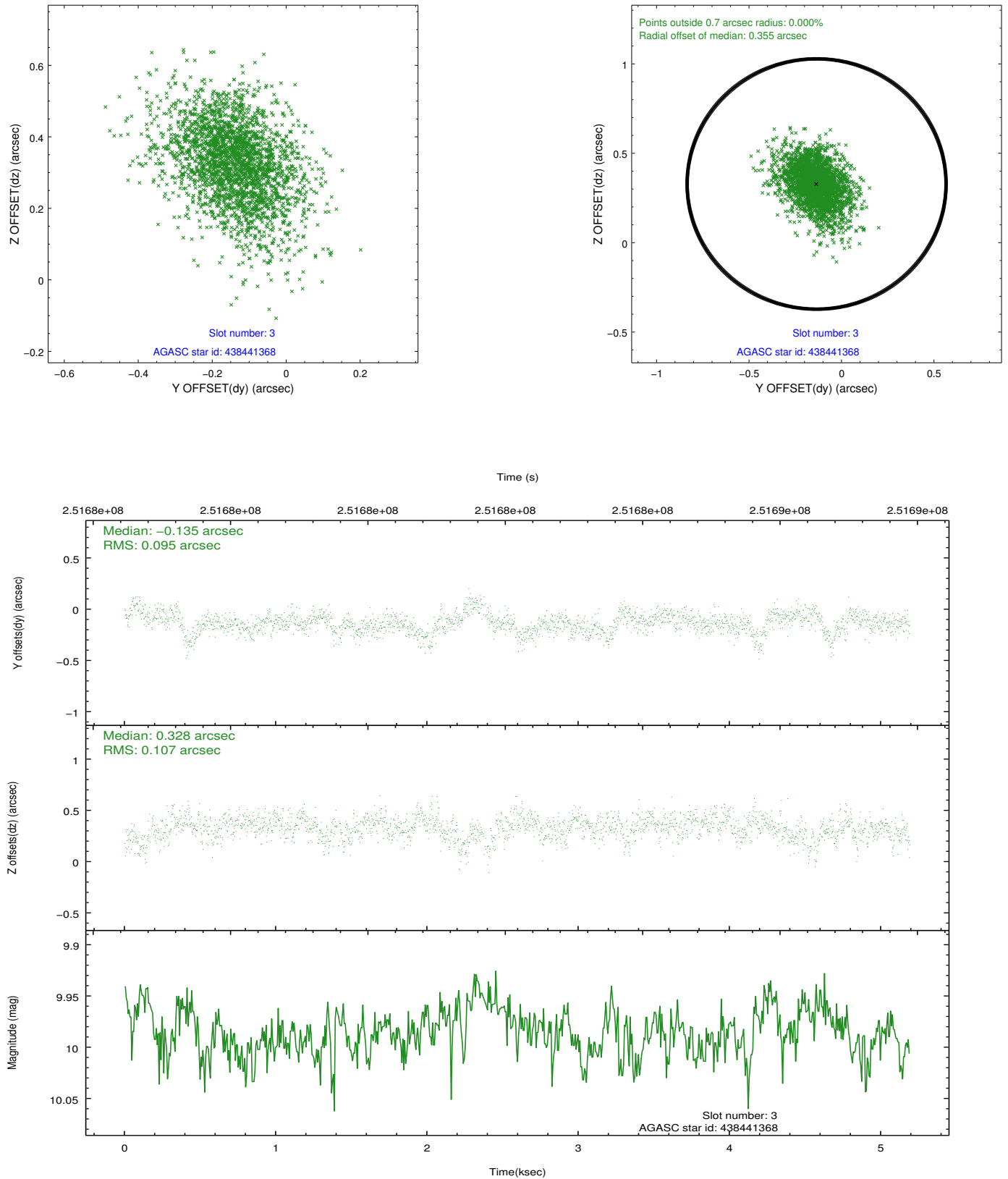


Slot Statistics

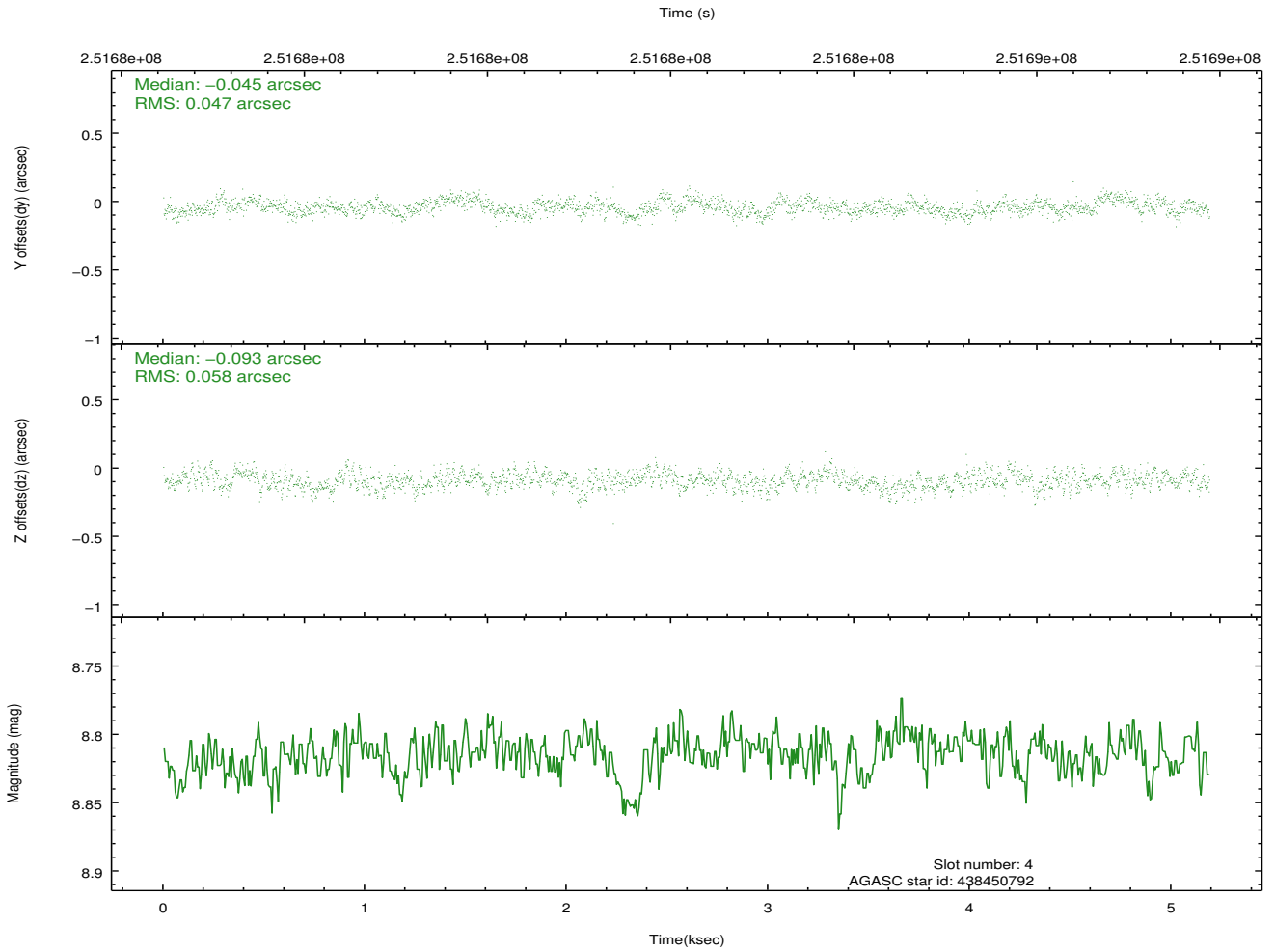
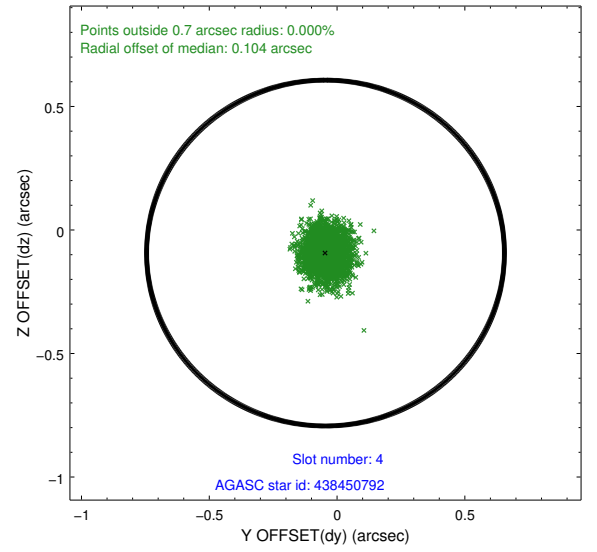
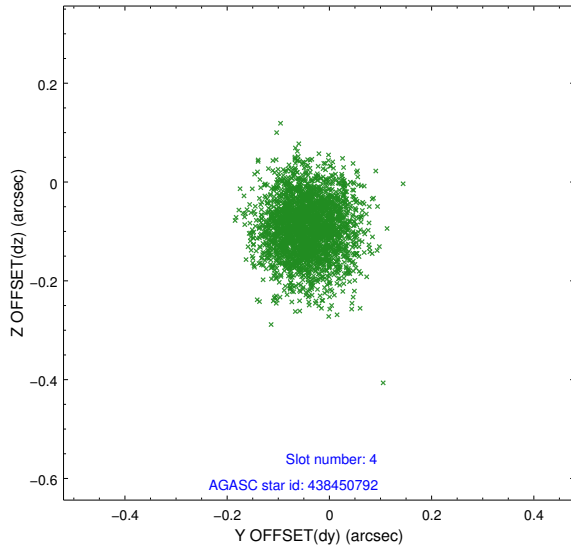
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	7.00	1266	-0.052	0.176	0.012	0.019	0.000000	0.000000	-765.80	-1237.86
1	FID	HRC-I-2	7.05	1265	0.167	-0.115	0.014	0.022	0.000000	0.000000	846.27	-1240.41
2	FID	HRC-I-3	7.09	1266	0.004	-0.151	0.015	0.024	0.000000	0.000000	-1193.69	1065.74
3	GUIDE	438441368	9.99	2506	-0.135	0.328	0.149	0.258	78.646413	46.420494	524.42	-1898.17
4	GUIDE	438450792	8.81	2531	-0.045	-0.093	0.079	0.130	78.654240	46.382628	571.32	-1769.04
5	GUIDE	440150048	7.14	2532	0.019	-0.120	0.073	0.114	79.112838	46.416060	-492.94	-1347.34
6	GUIDE	440164960	8.32	2532	0.122	-0.023	0.082	0.133	79.132526	46.140947	-79.01	-445.75
7	GUIDE	440145016	9.55	2528	0.043	-0.085	0.114	0.180	80.238026	45.801940	-1984.86	1901.16

2.4 Star Slots

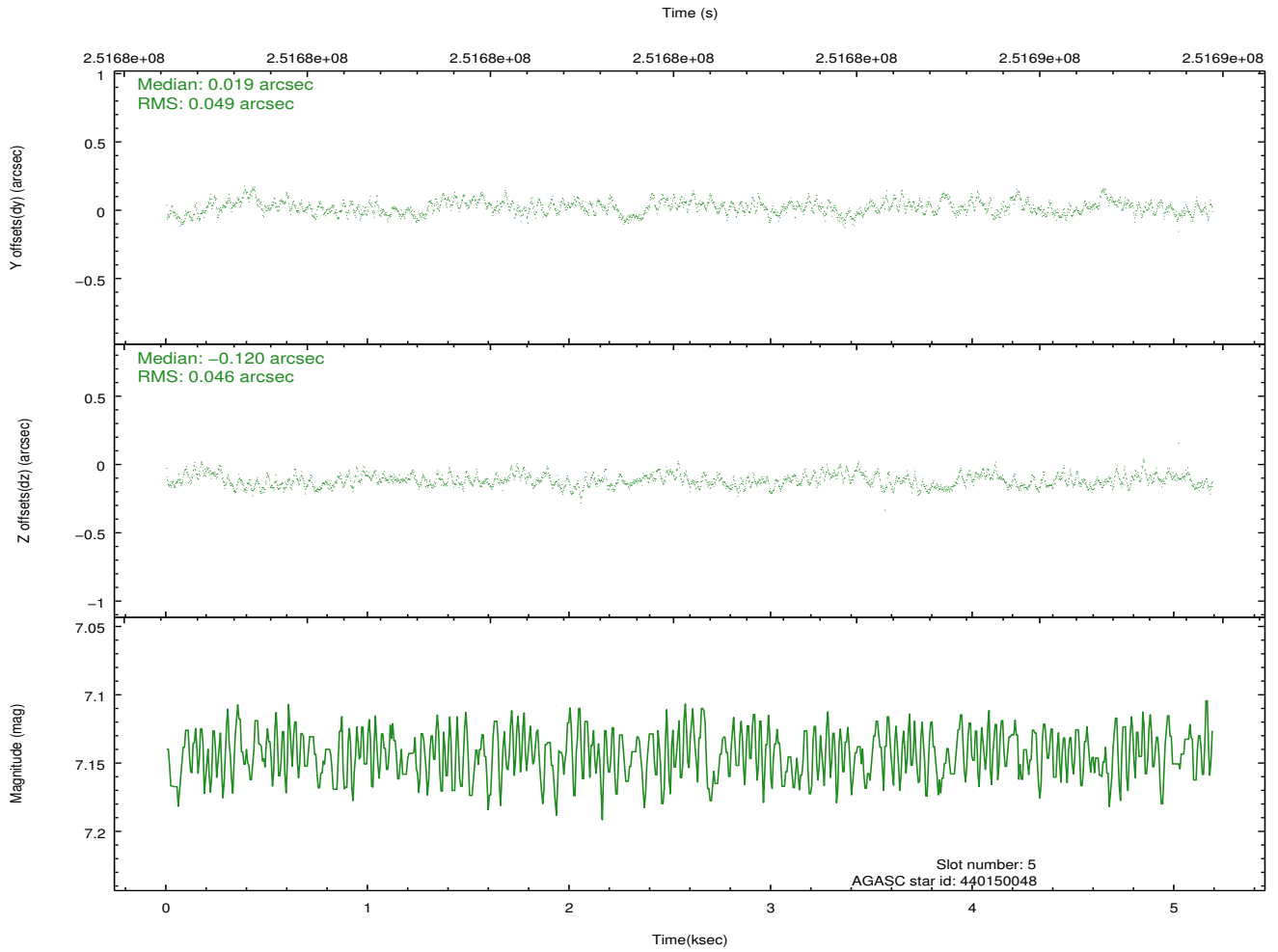
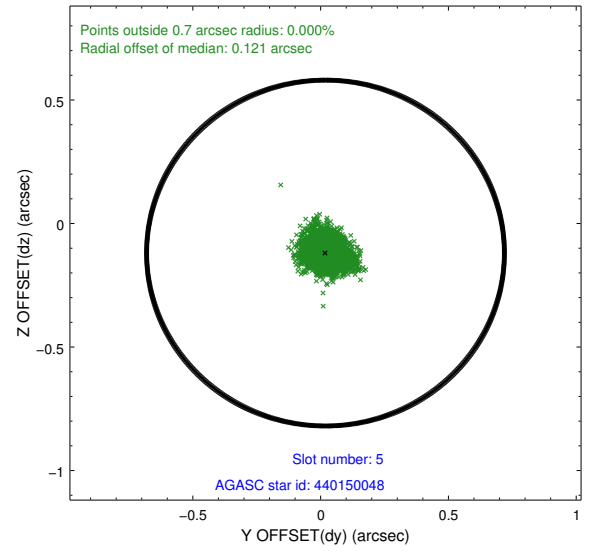
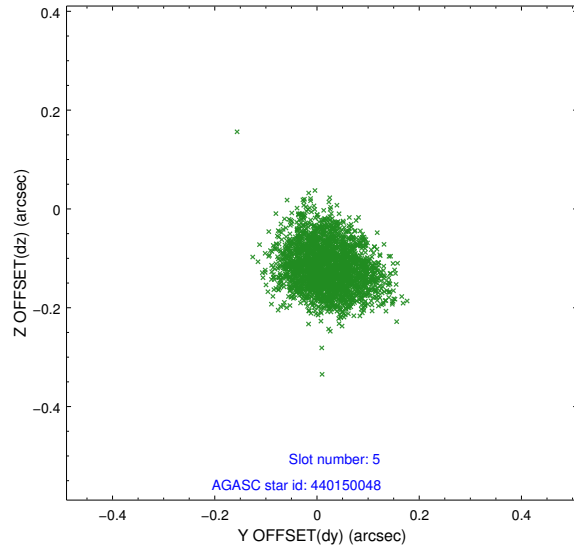
2.4.1 Slot 3



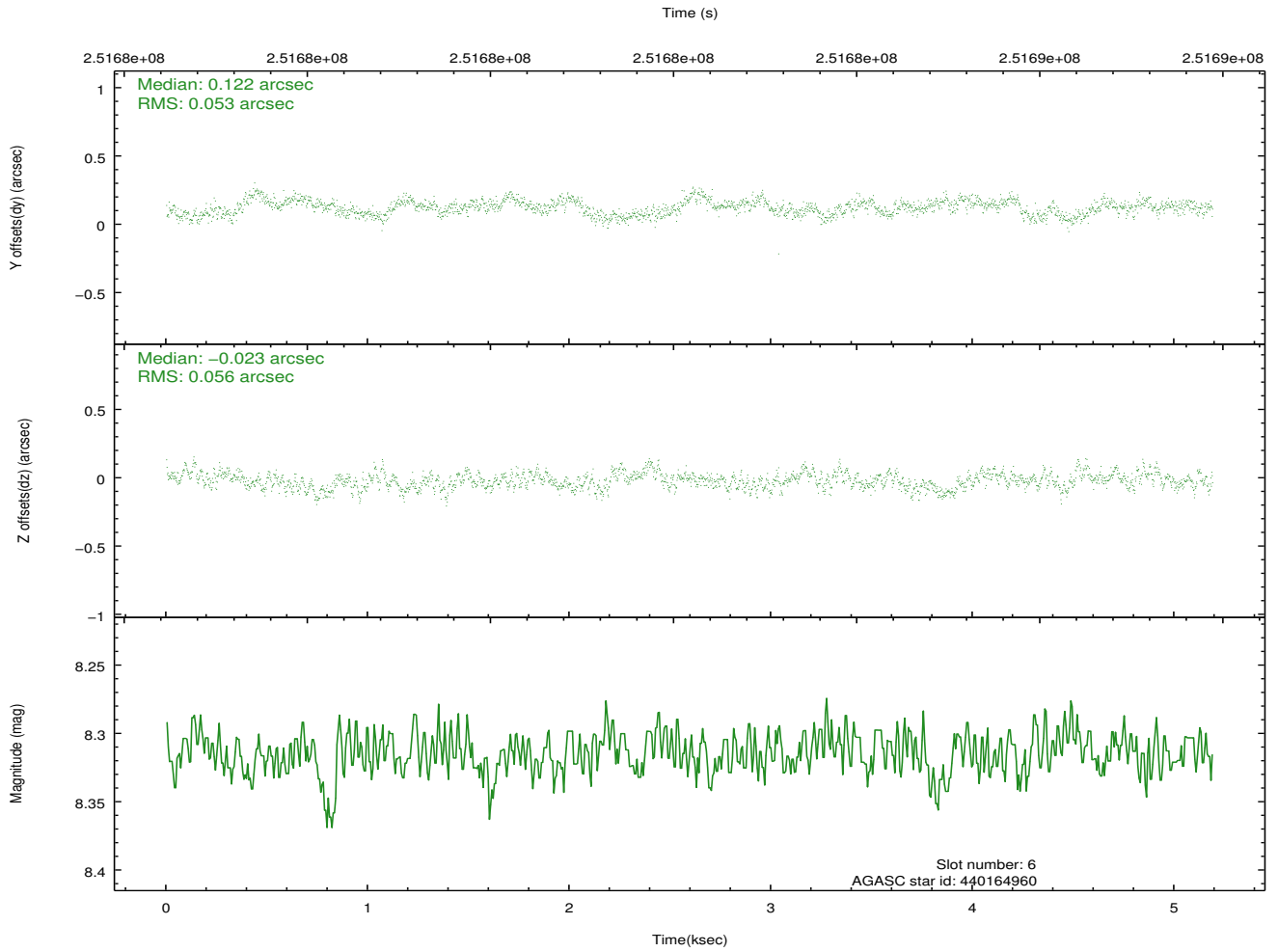
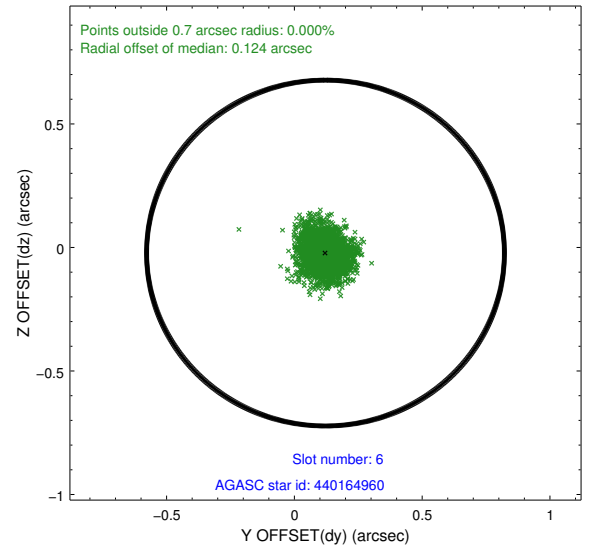
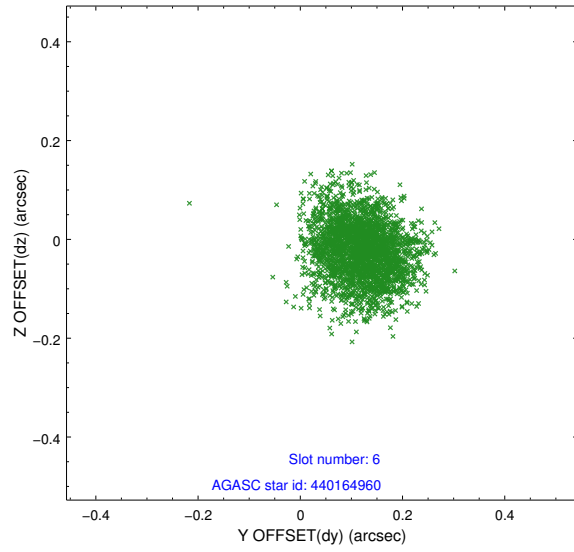
2.4.2 Slot 4



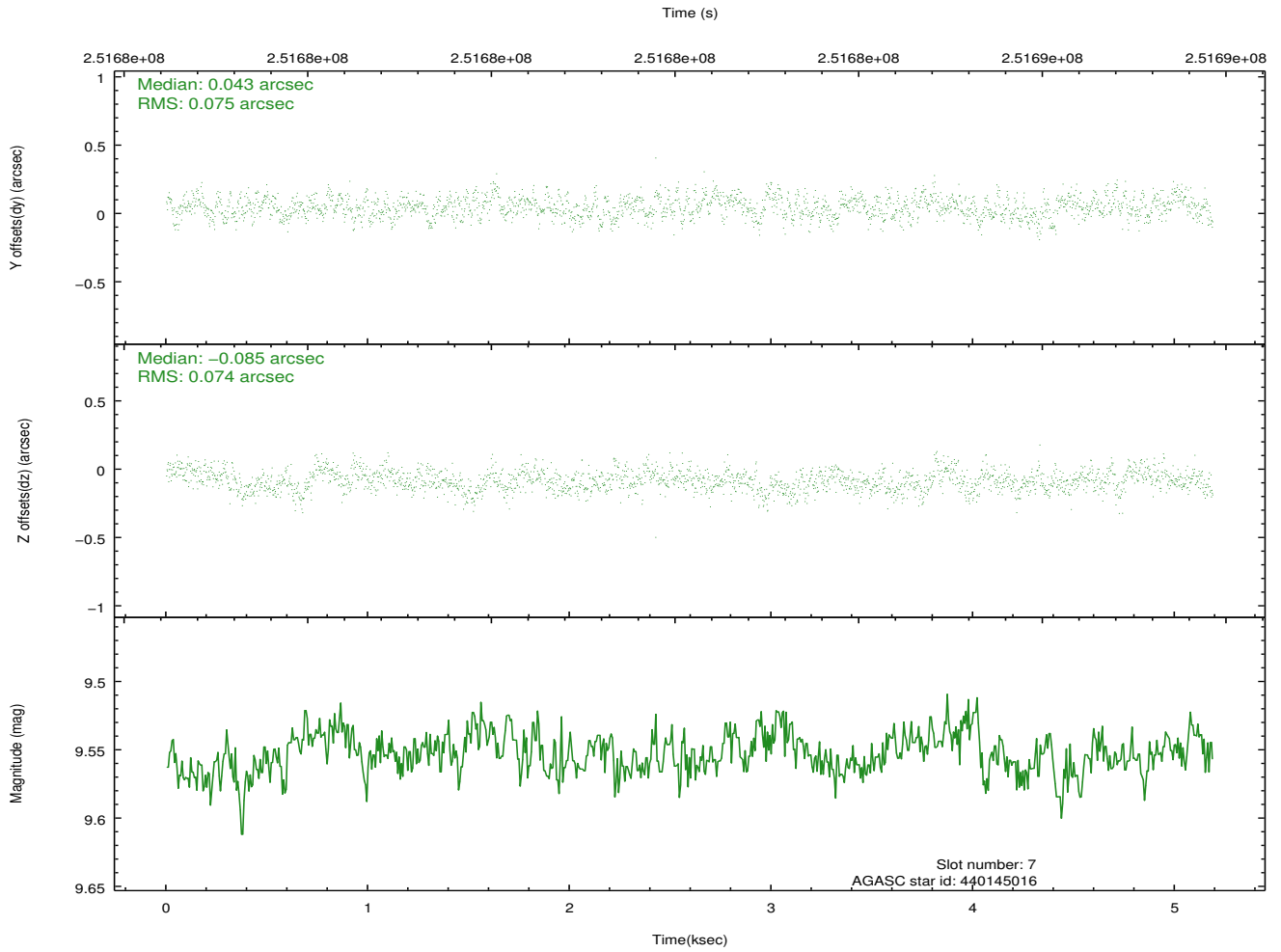
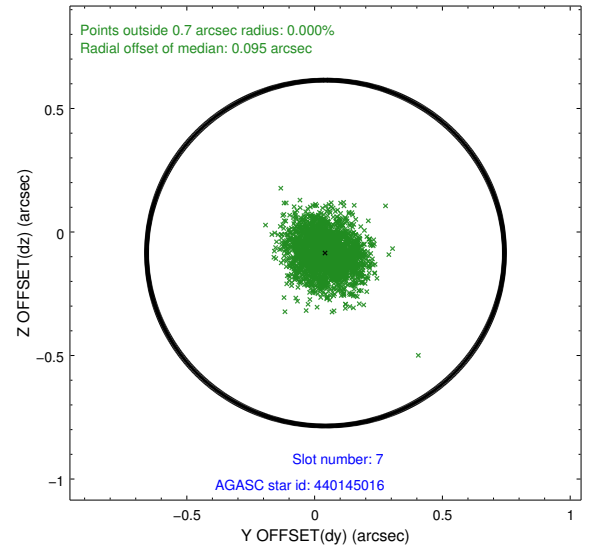
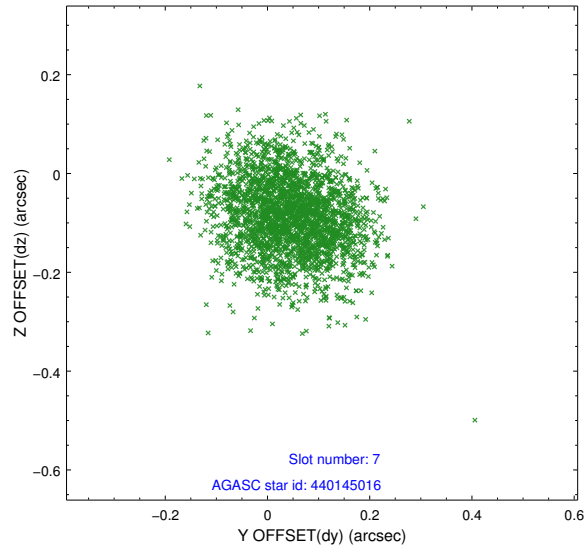
2.4.3 Slot 5



2.4.4 Slot 6

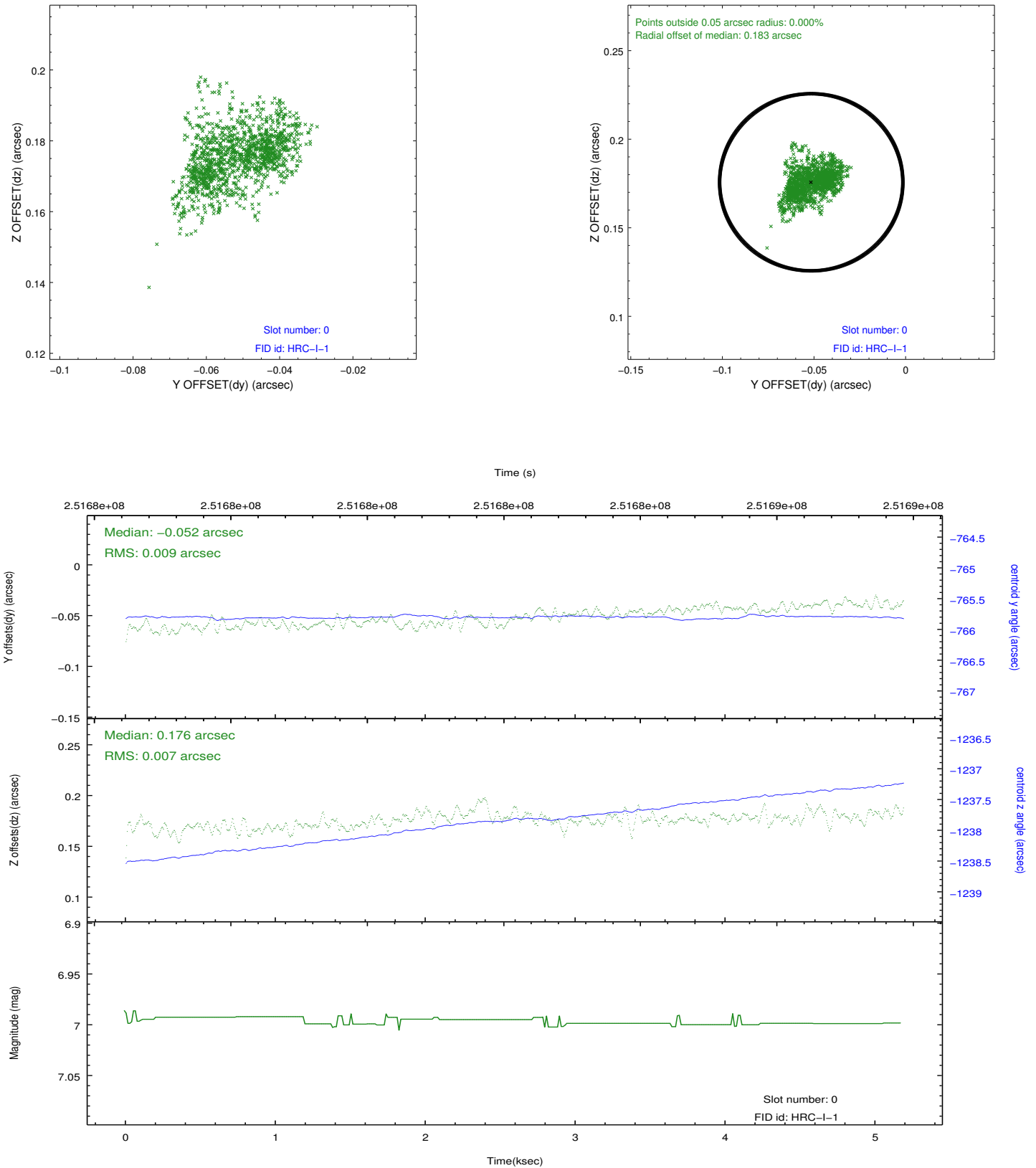


2.4.5 Slot 7

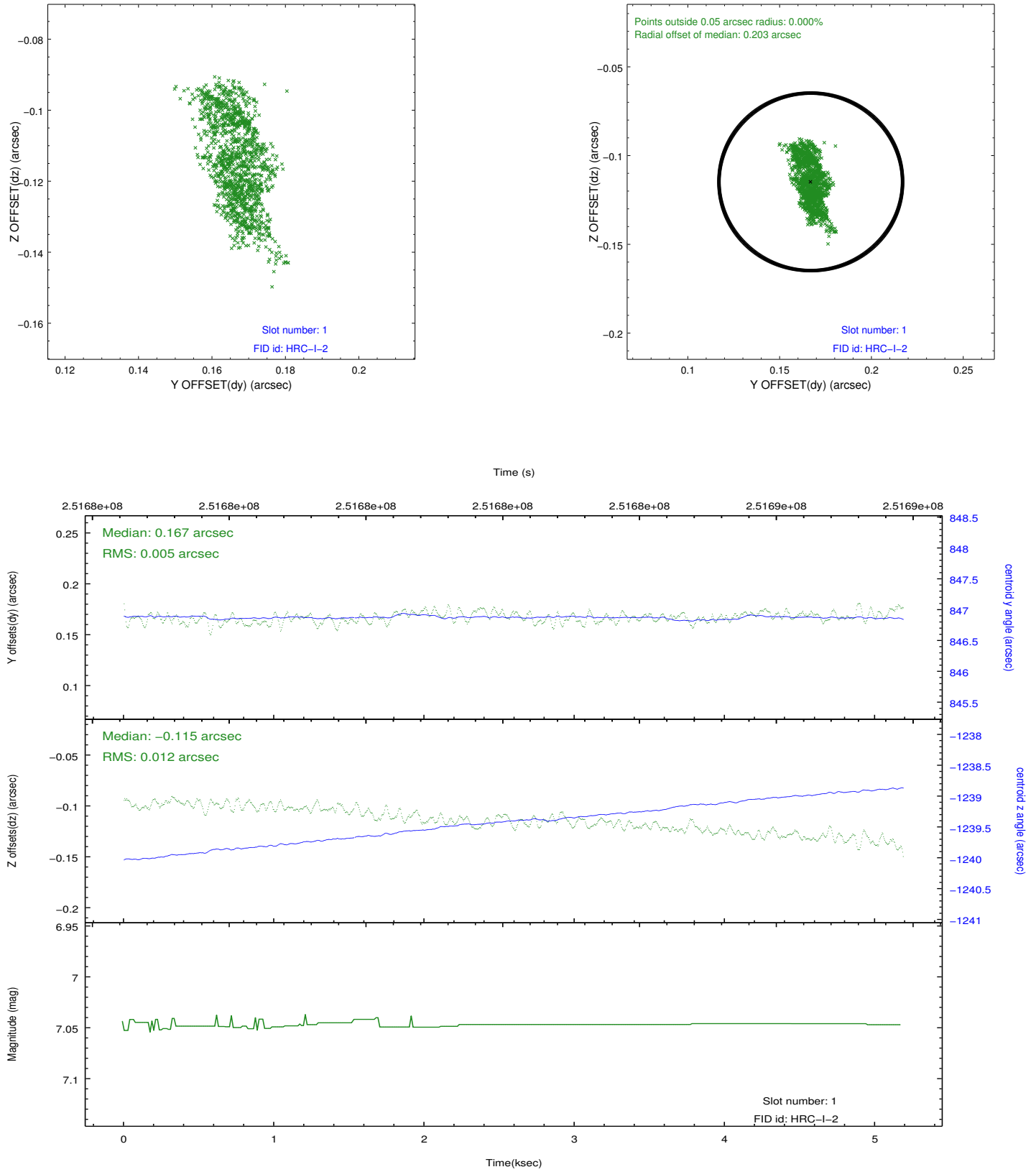


2.5 FID Slots

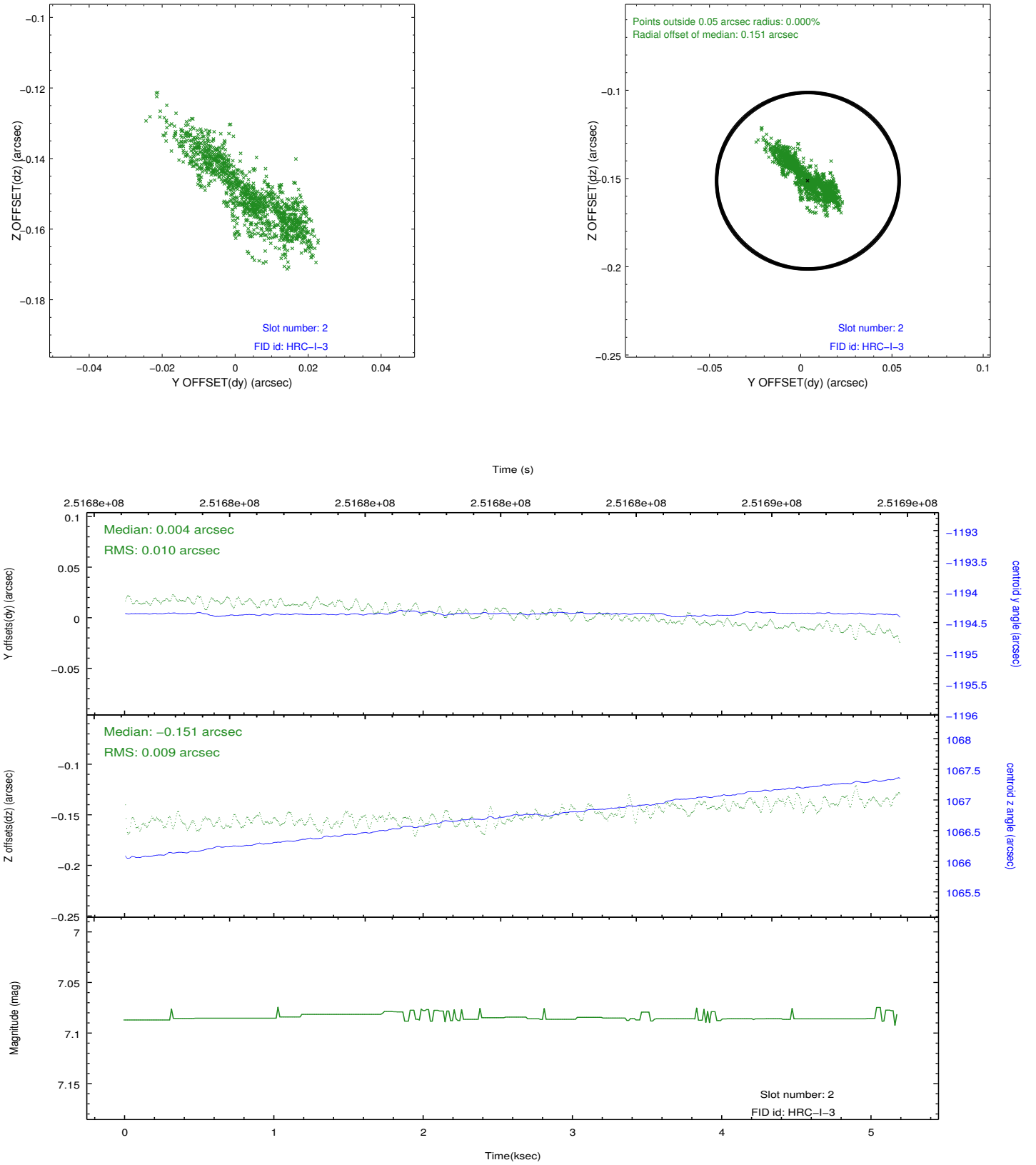
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.08.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.187781

A.2 Comments