

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2615 - L2 Version 4
Chandra X-Ray Center

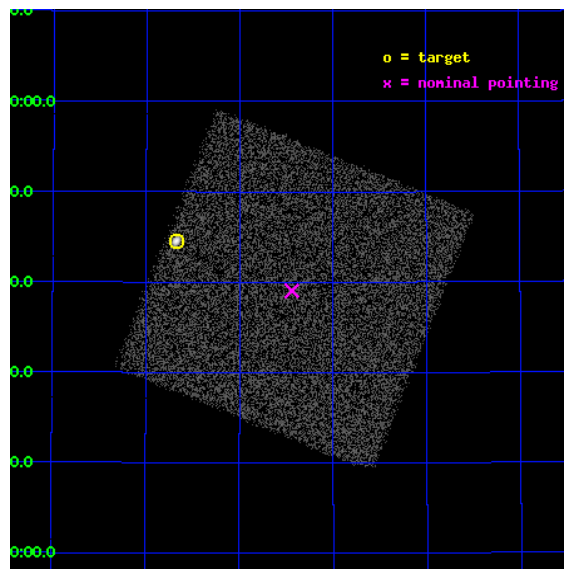
L2 Processing Date : Oct 1 2012

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

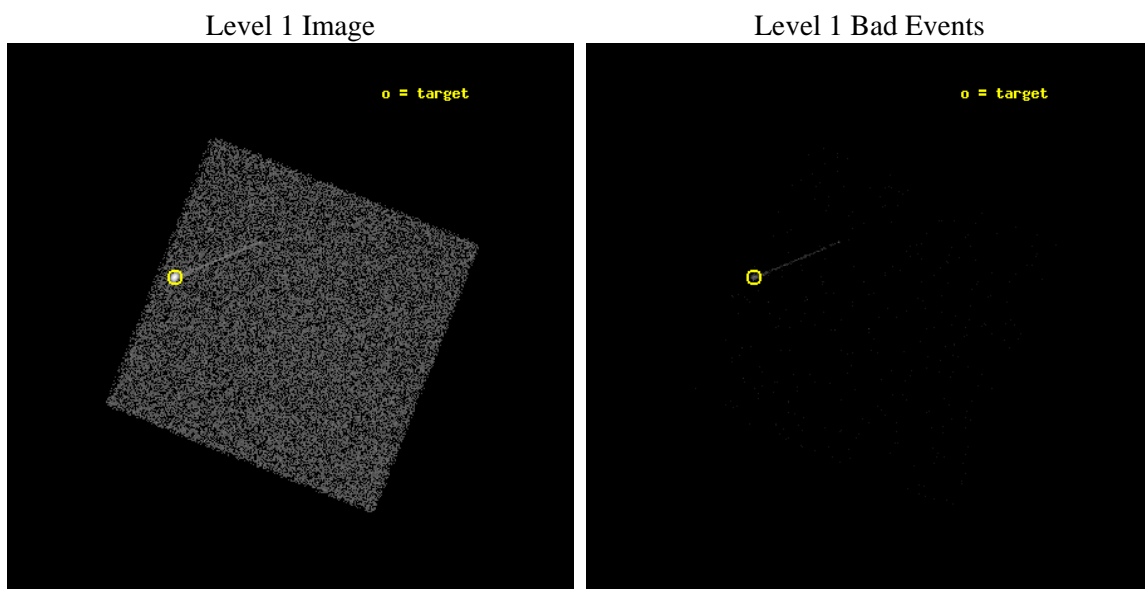
seq_num	290171	Sequence number
obs_id	2615	Observation id
title	AO3 HRC-I CALIBRATION OBSERVATION: MINI-SCAN OF ARLAC	Proposal tit
observer	Dr. CXC Calibration	Principal investigator
object	ARLAC	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	331.85976624349	Nominal RA [deg]
dec_nom	45.650846330617	Nominal Dec [deg]
roll_nom	336.83766140483	Nominal Roll [deg]
revision	4	Processing version of data
ontime	1192.3312980384	[s]
livetime	1185.8044153964	Ontime multiplied by DTCOR
l2events	35838	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	1000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1192.3312980384	[s]
caldbver	4.5.2	 	l1events	66024	Number of level 1 events
date	2012-10-01T03:12:51	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

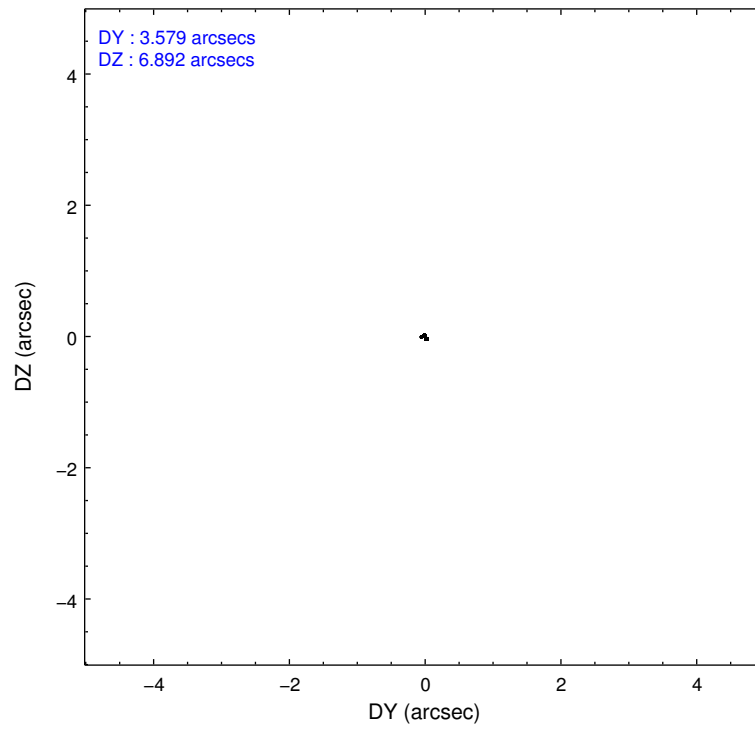
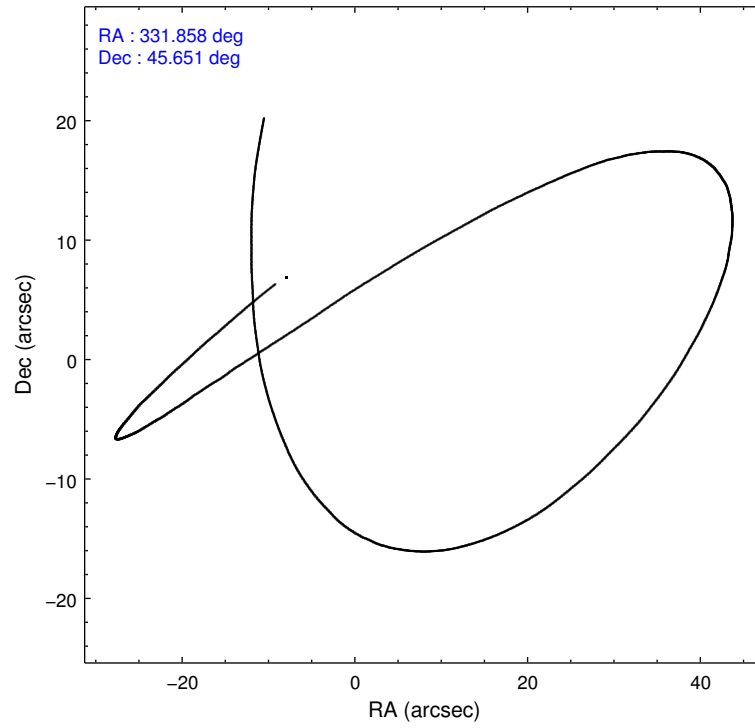
Level 1 Events

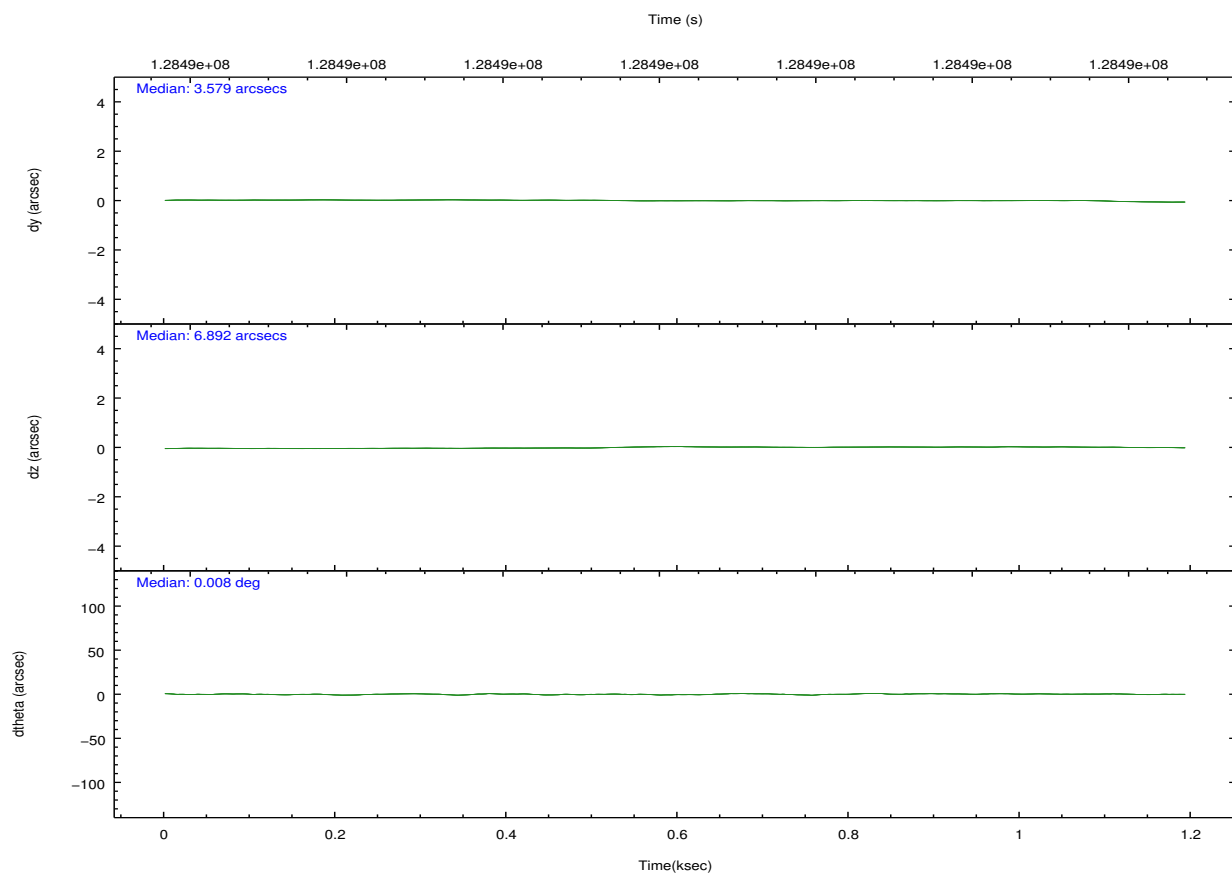
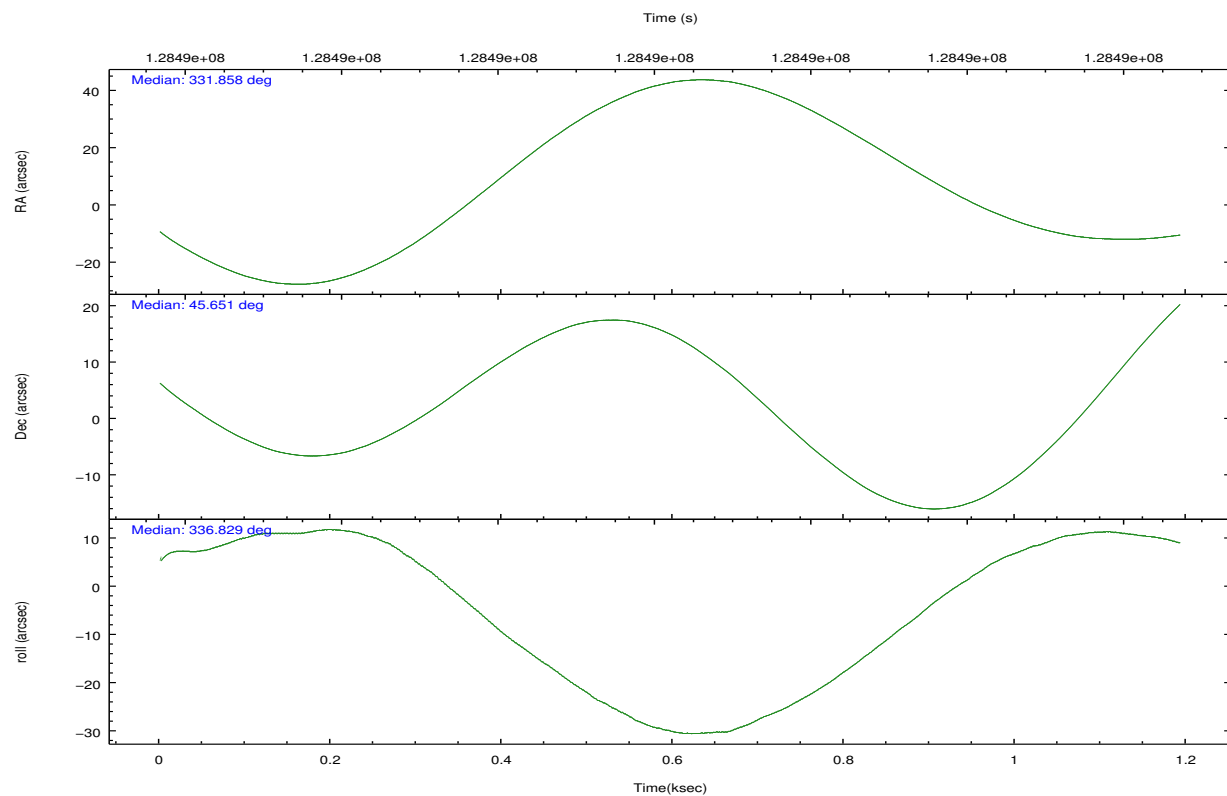
	segment 0
level 1 events	66024
rejected events	14033
rejected %	21%

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	331.822493	331.8597662434935			
[deg] Pointing Dec	45.647840	45.65084633061742			
[deg] Pointing Roll	336.959831	336.8376614048304			
[mm] SIM focus pos	-1.040293	-1.038866356238299			
[mm] SIM defocus	0	0.001426264420575141			
[mm] SIM translation stage pos	126.985494	126.9854943052878			
[mm] SIM translation stage offset	0	-5.413686238853188e-06			
[s] Observation start time (MET)	128490419.184000	128490043.49025			
Observation start date	2002-01-27T03:45:55	2002-01-27T03:40:43			
[s] Observation end time (MET)	128491419.184000	128491553.31531			
Observation end date	2002-01-27T04:02:35	2002-01-27T04:05:53			

2.3 Aspect



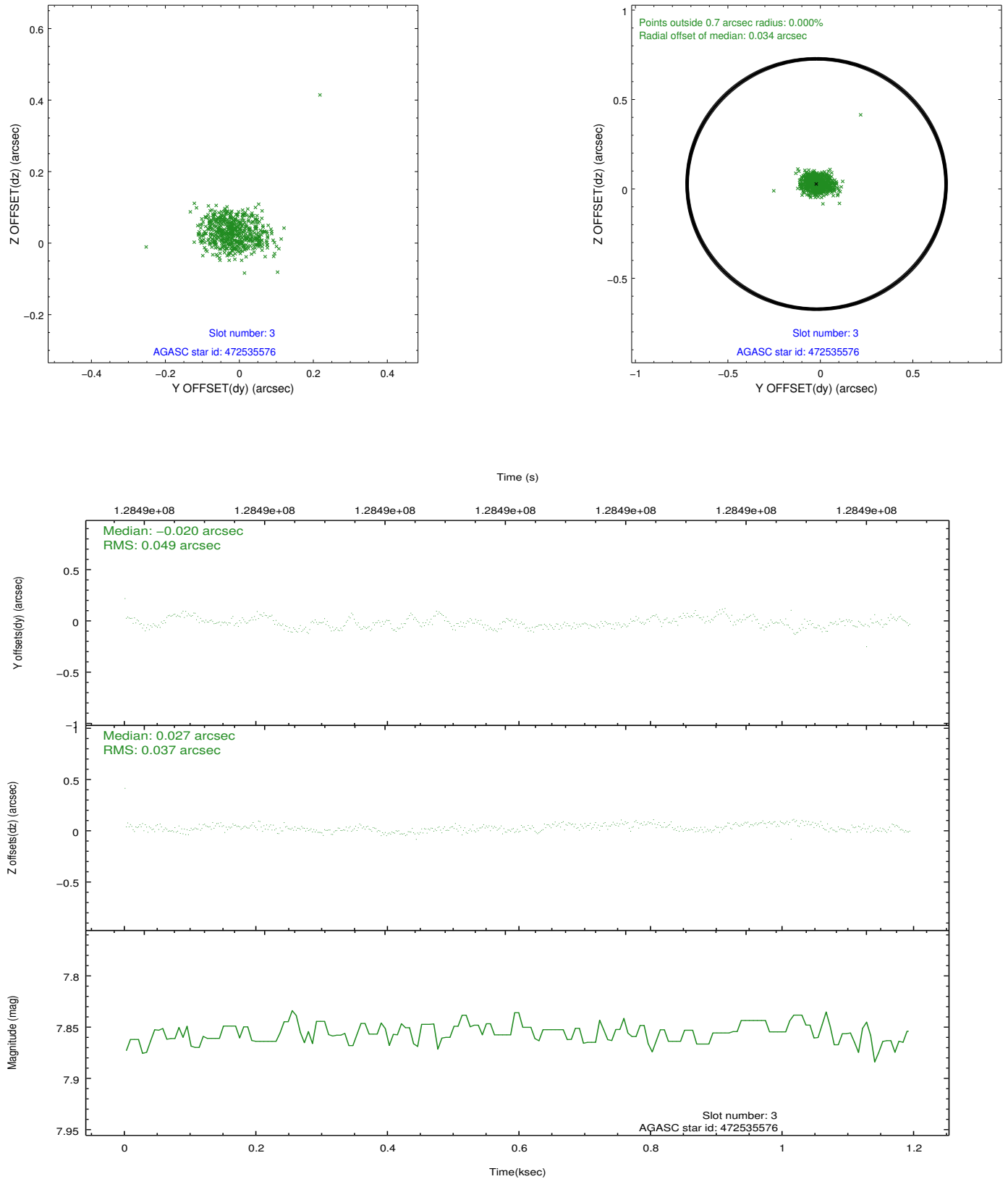


Slot Statistics

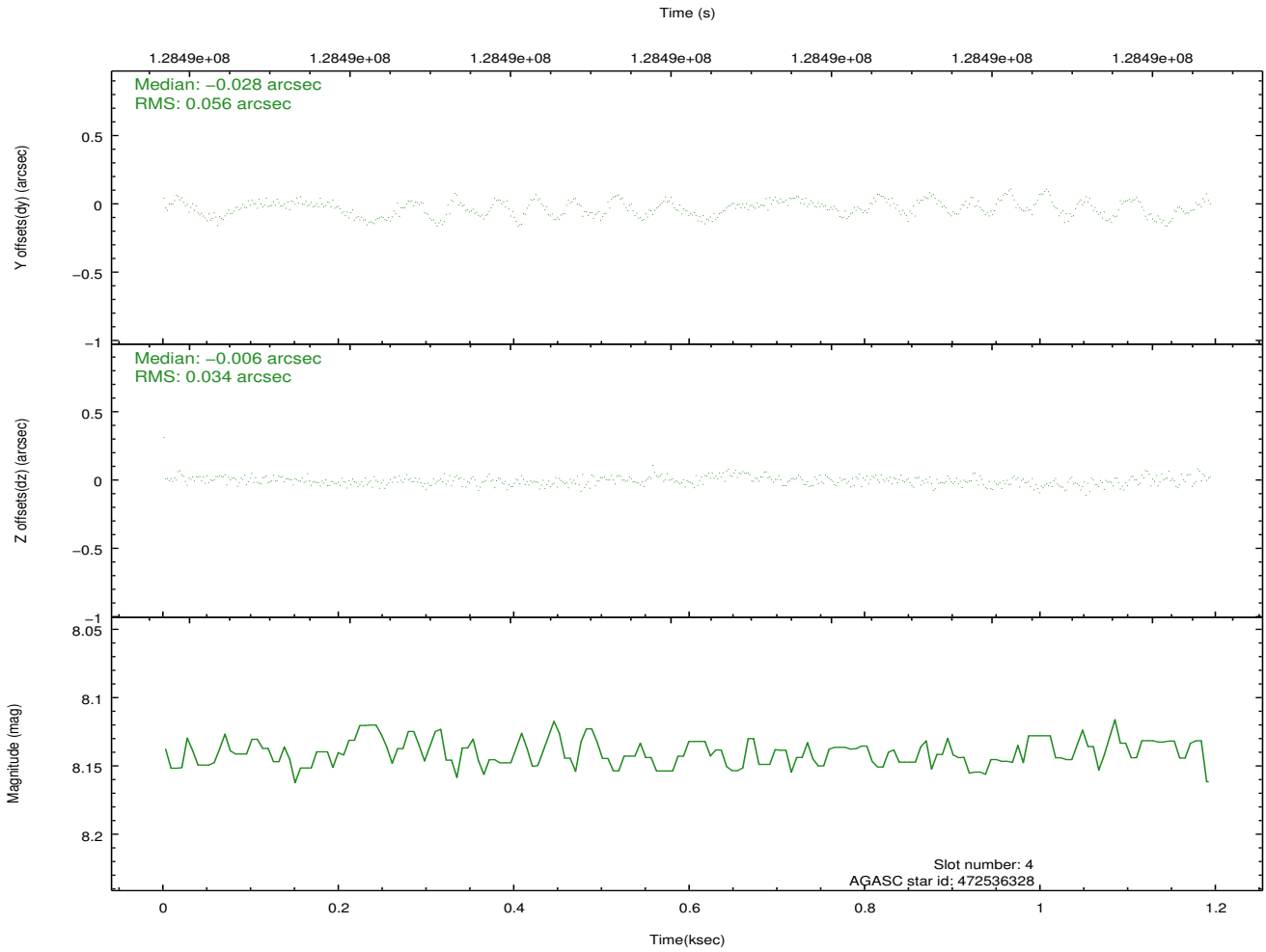
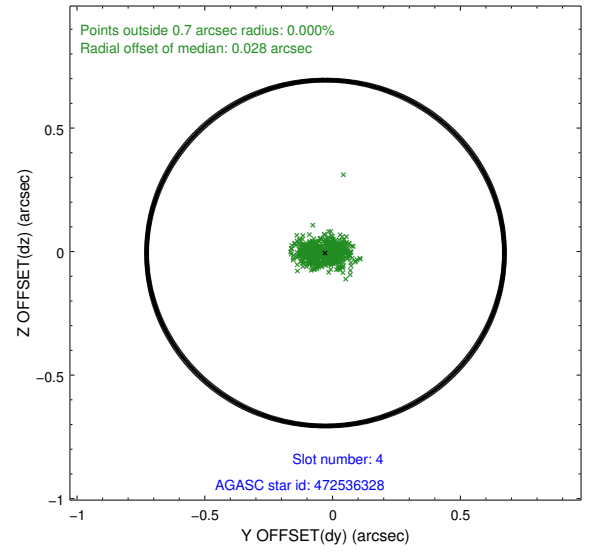
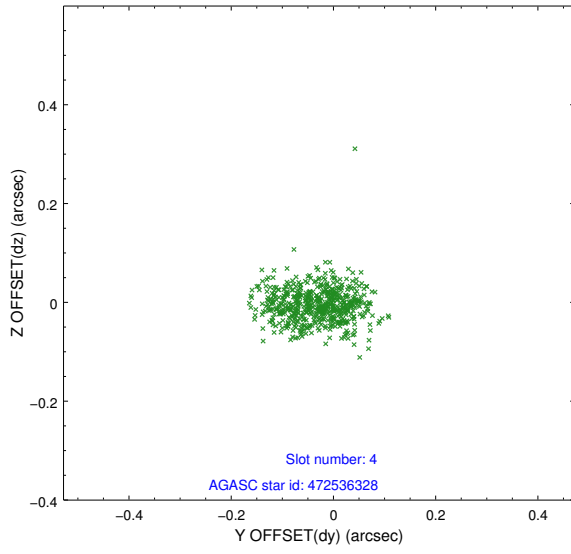
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.96	291	0.027	0.031	0.006	0.010	0.000000	0.000000	-759.03	-1294.75
1	FID	HRC-I-2	7.00	291	0.076	-0.071	0.005	0.008	0.000000	0.000000	851.05	-1300.85
2	FID	HRC-I-3	7.04	291	0.016	-0.050	0.005	0.010	0.000000	0.000000	-1184.63	1005.25
3	GUIDE	472535576	7.86	583	-0.020	0.027	0.063	0.098	331.438373	46.291802	-1786.42	1764.63
4	GUIDE	472536328	8.14	583	-0.028	-0.006	0.070	0.112	331.496671	46.454831	-1883.42	2364.82
5	GUIDE	472527656	9.14	583	-0.071	0.027	0.108	0.171	331.004689	45.273362	-1384.58	-2034.53
6	GUIDE	420754040	9.08	583	0.036	-0.021	0.118	0.183	331.917939	44.882543	1302.06	-2439.65
7	GUIDE	472654568	9.44	580	0.083	-0.043	0.104	0.170	332.194449	45.063576	1696.71	-1564.02

2.4 Star Slots

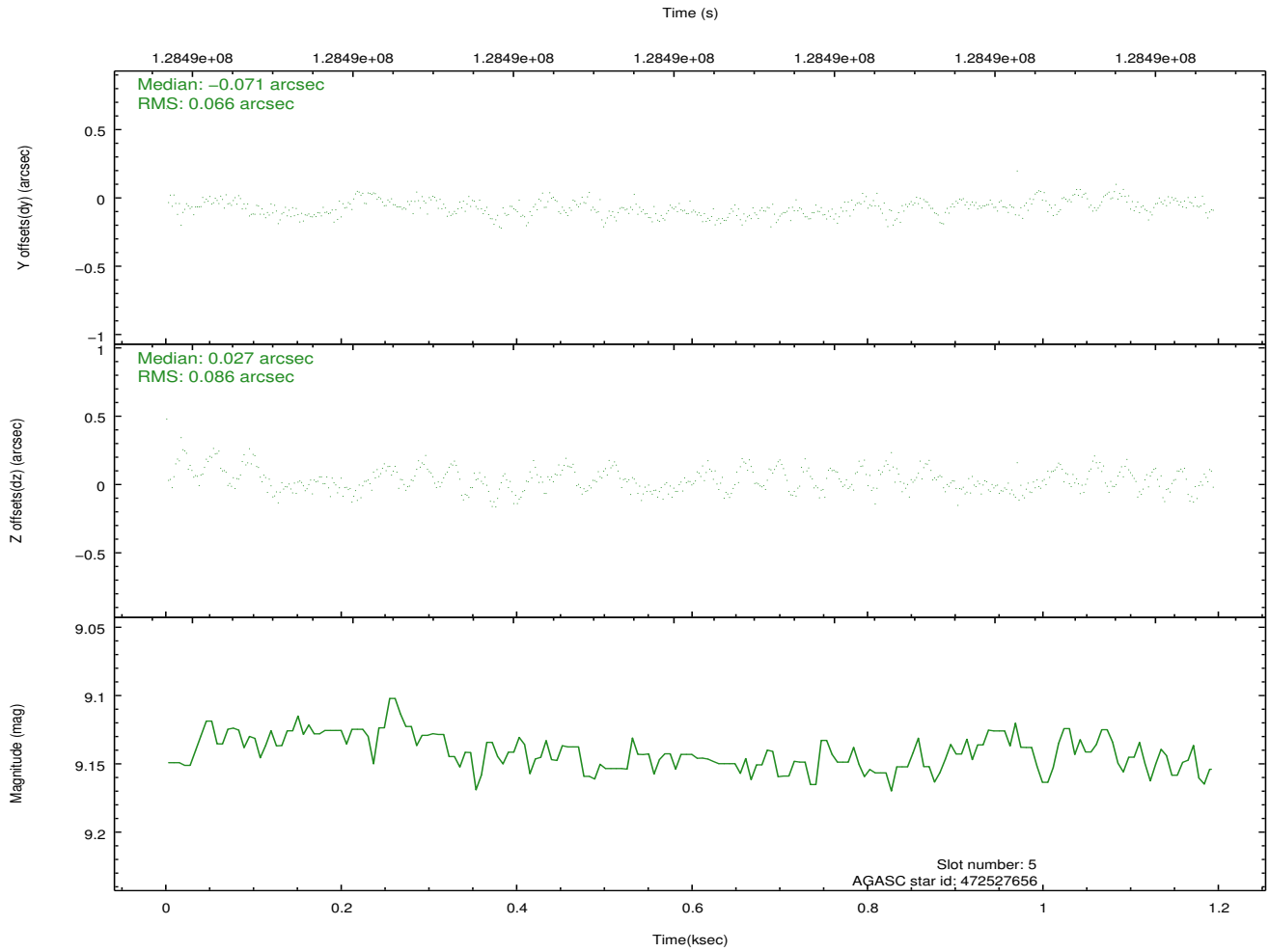
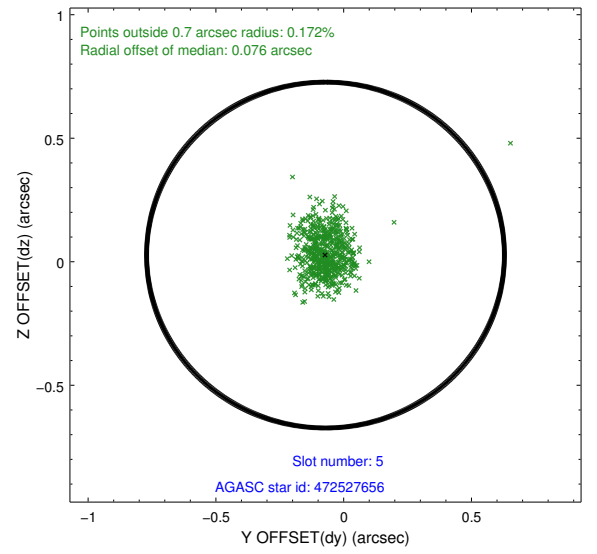
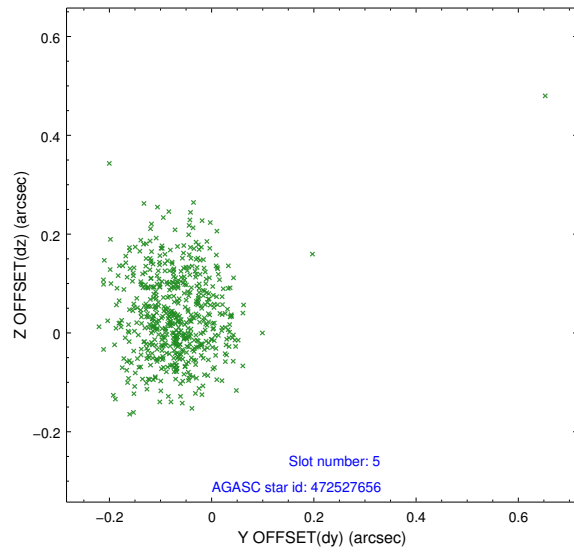
2.4.1 Slot 3



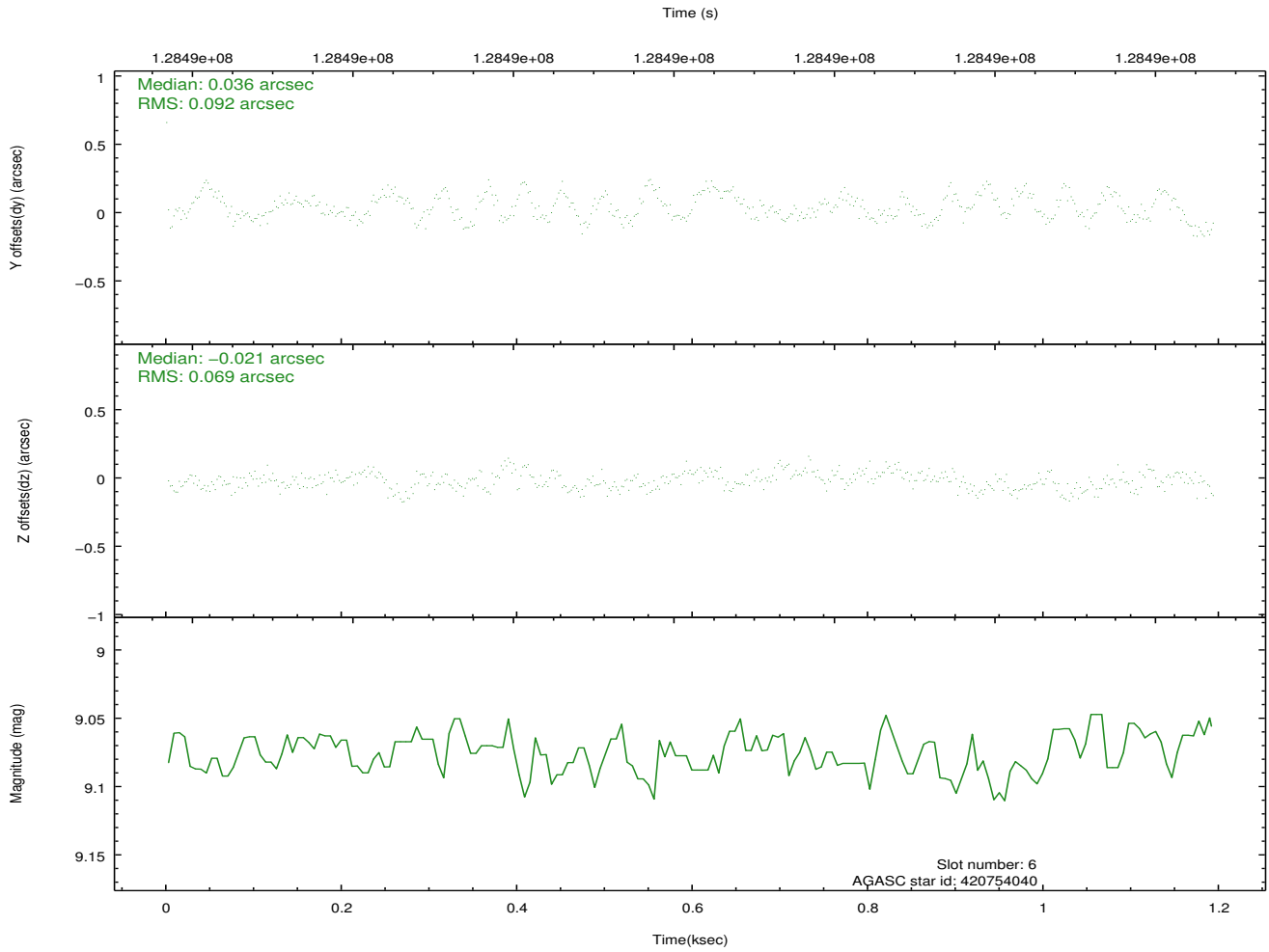
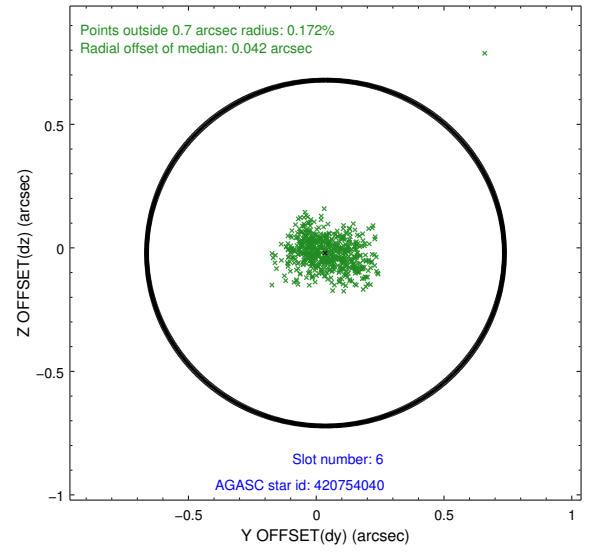
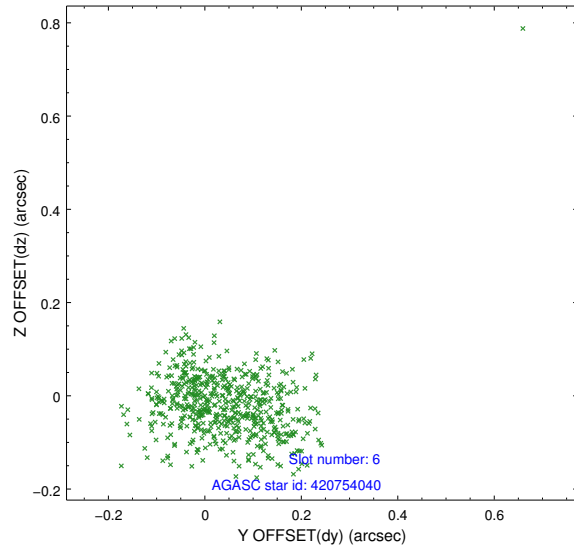
2.4.2 Slot 4



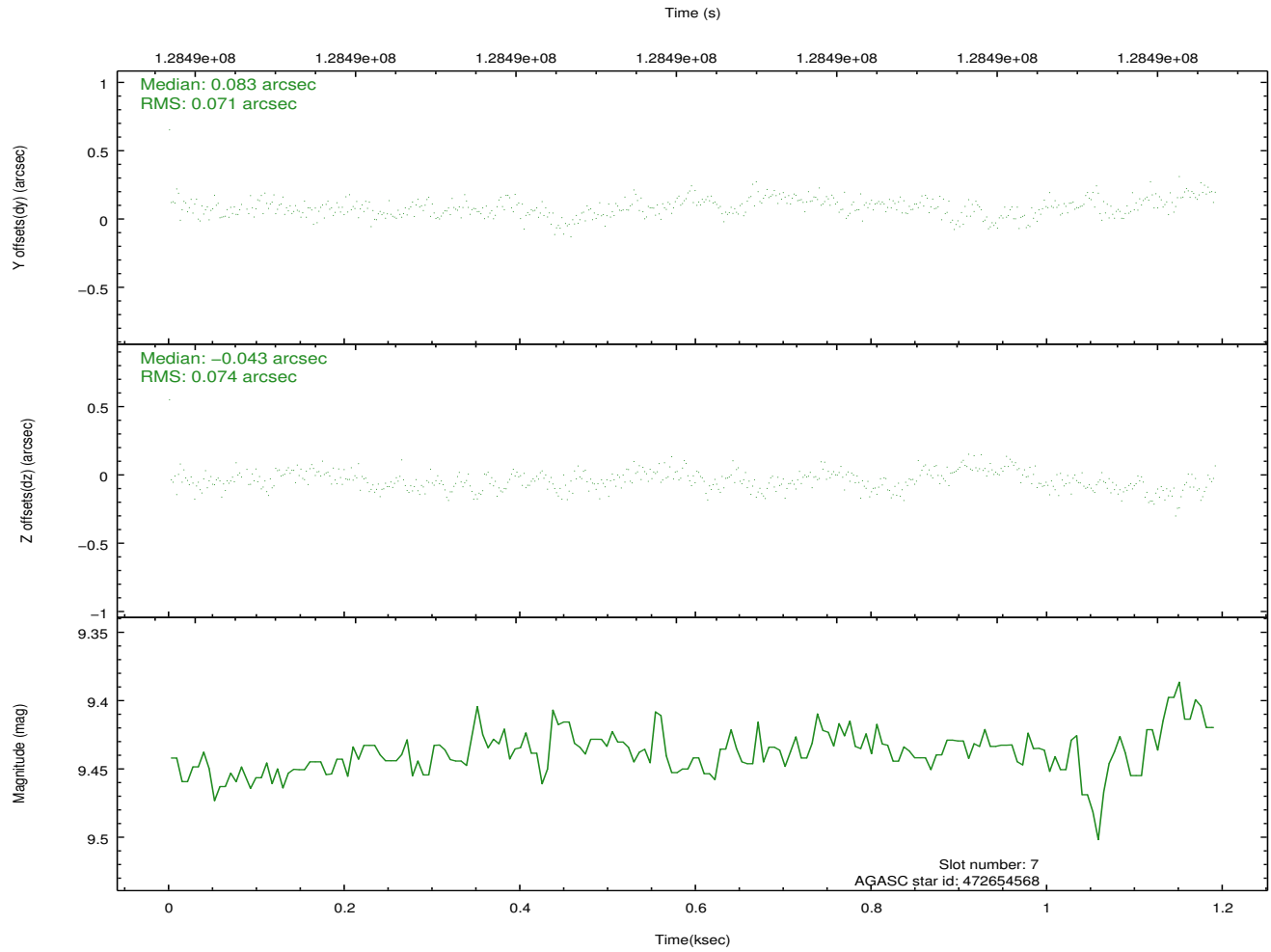
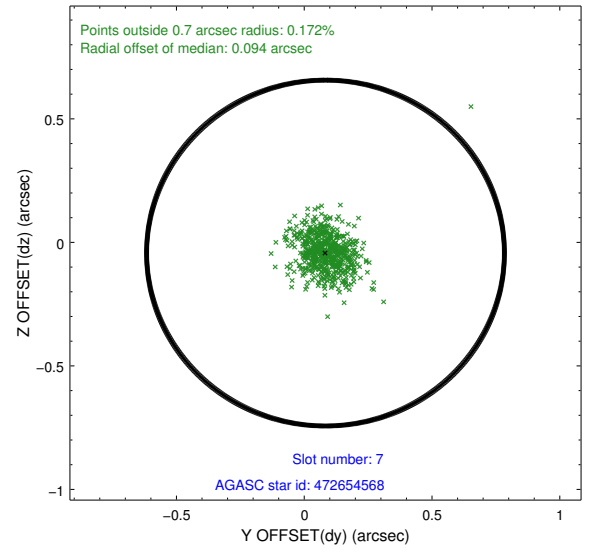
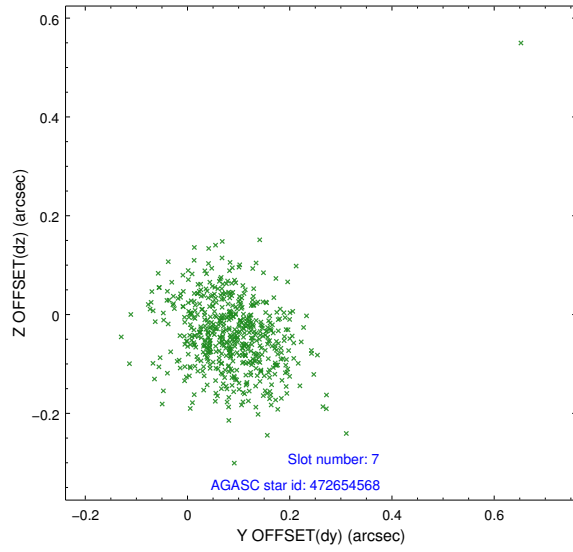
2.4.3 Slot 5



2.4.4 Slot 6

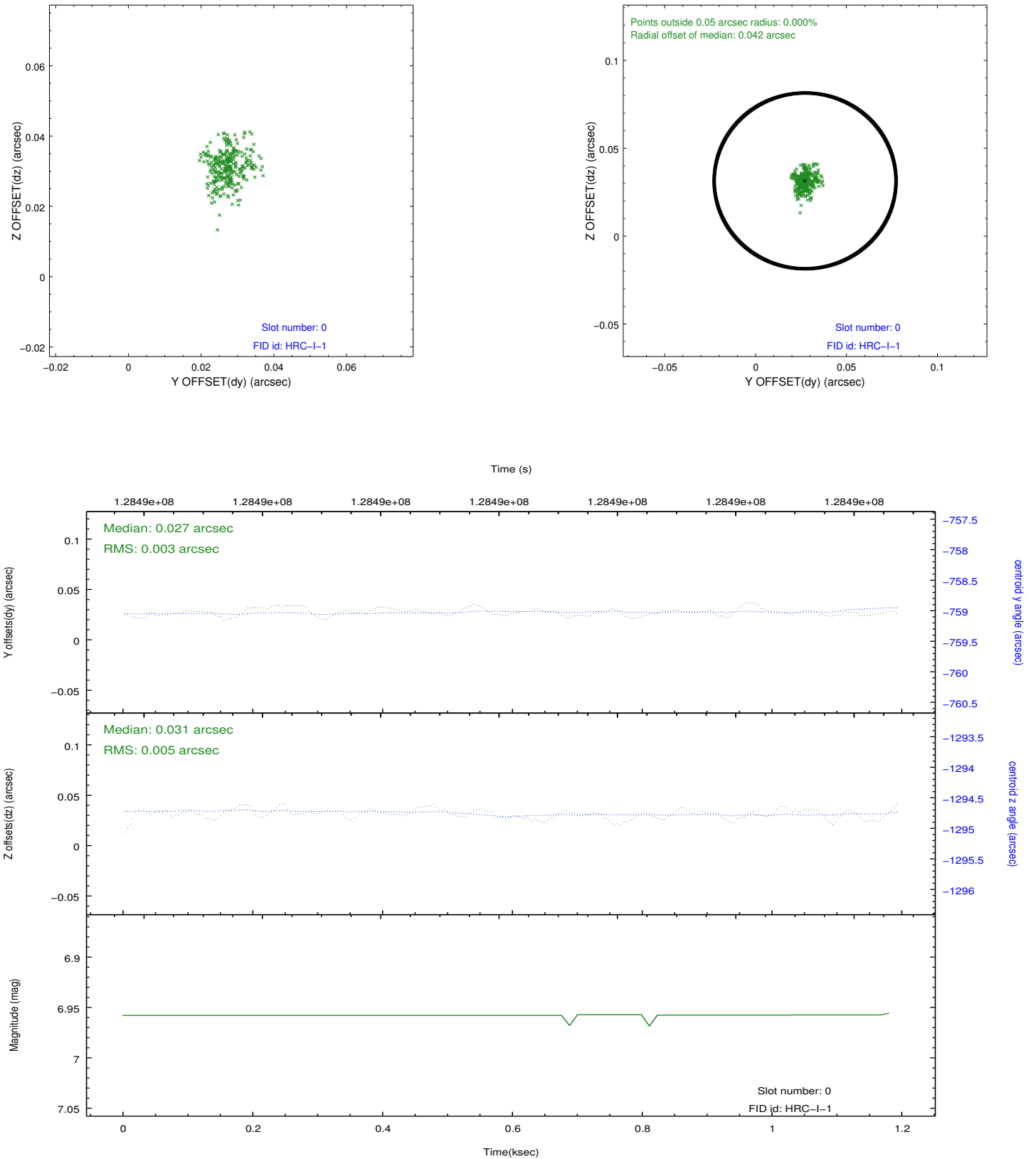


2.4.5 Slot 7

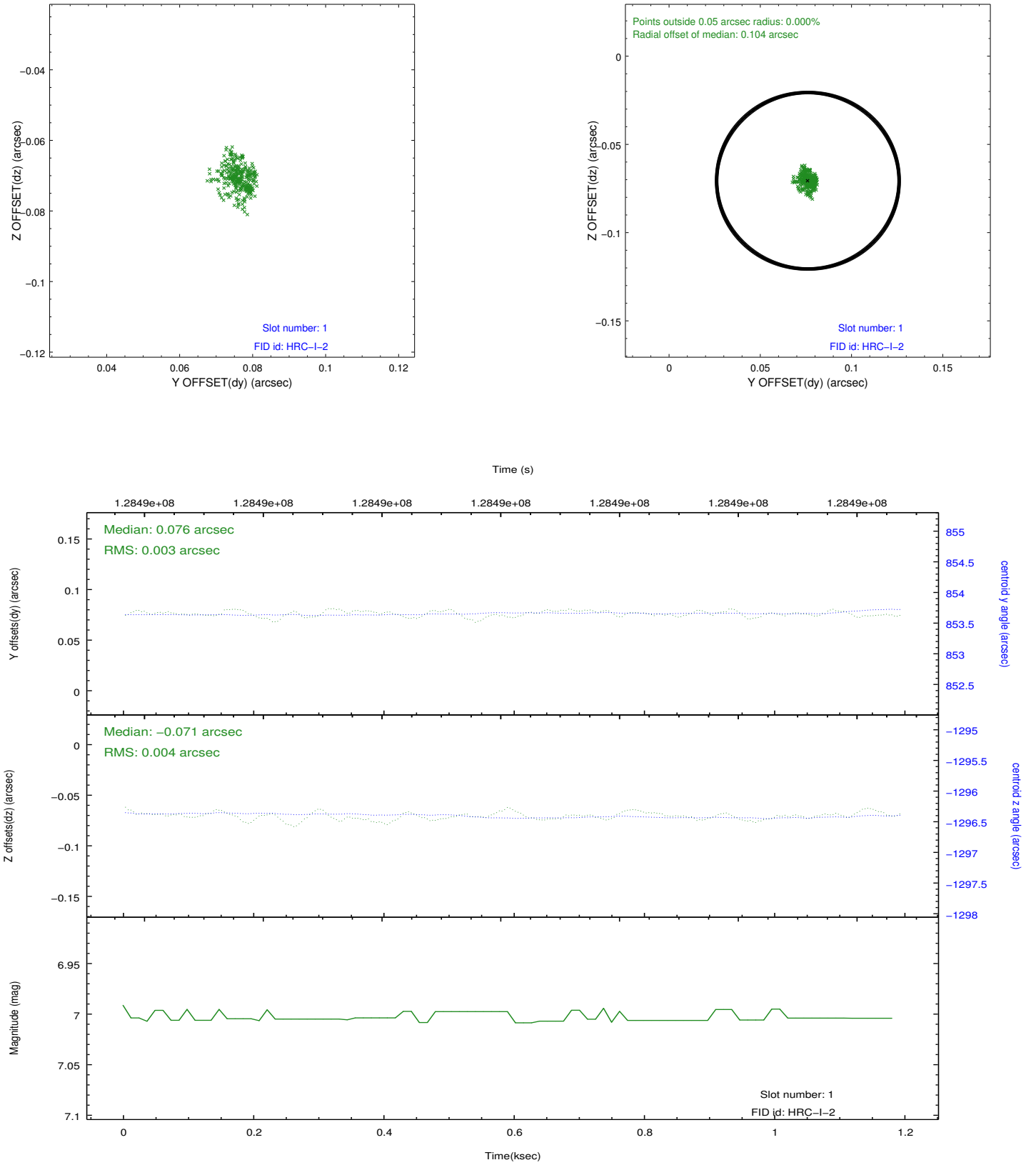


2.5 FID Slots

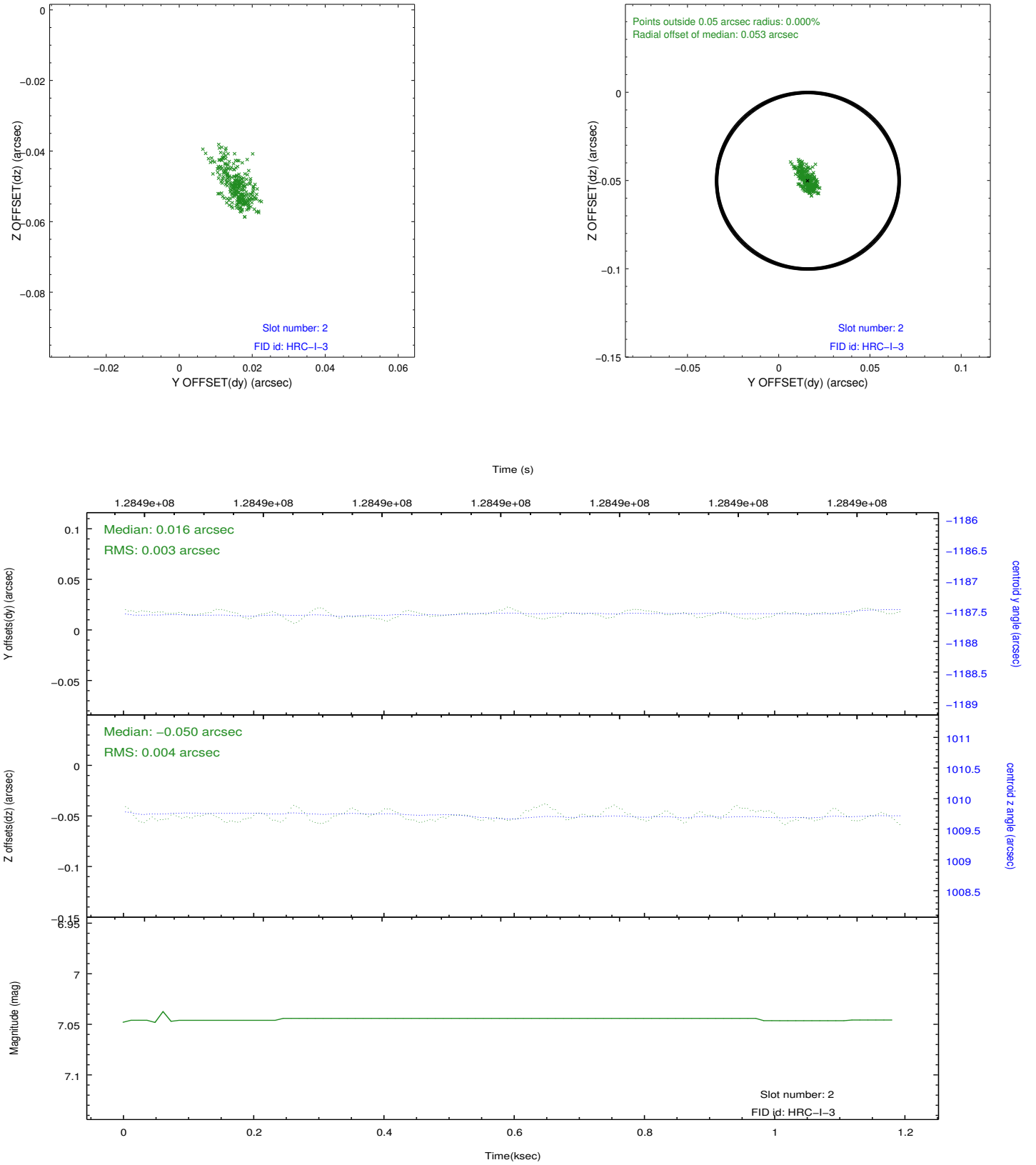
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.10.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.192

A.2 Comments