

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4907 - L2 Version 3
Chandra X-Ray Center

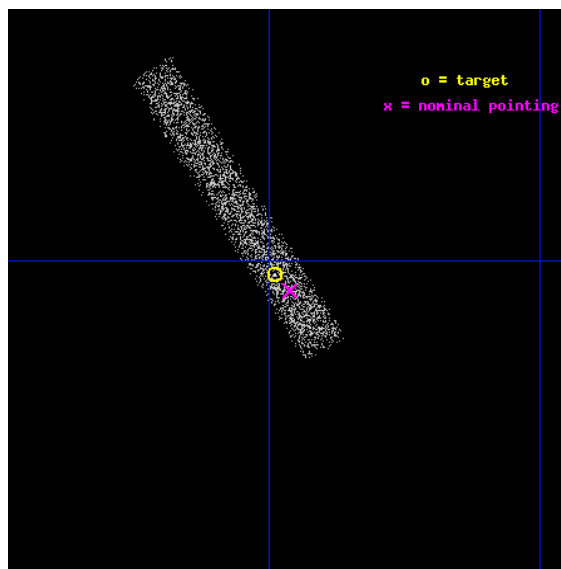
L2 Processing Date : Nov 13 2012

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1 Front

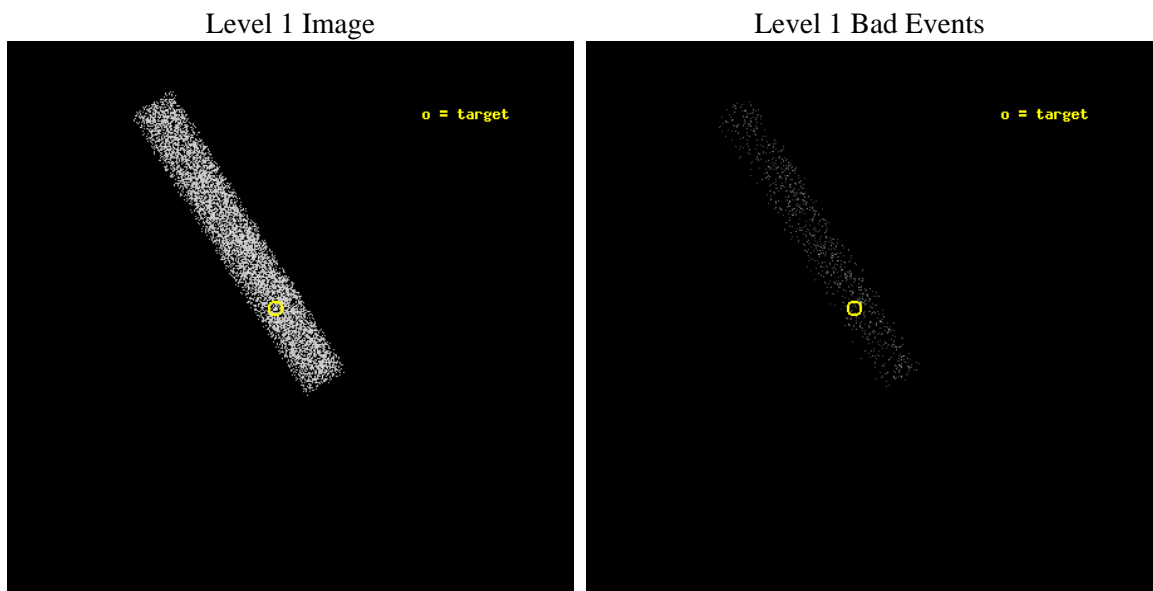
seq_num	700988	Sequence number
obs_id	4907	Observation id
title	The X-ray Spectra of Red Quasars	Proposal title
observer	Dr Mark Lacy	Principal investigator
object	FTM 1022+1929	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	155.6225	Observer's specified target RA [deg]
dec_targ	19.494167	Observer's specified target Dec [deg]
ra_nom	155.61558989052	Nominal RA [deg]
dec_nom	19.48709104714	Nominal Dec [deg]
roll_nom	237.62783506566	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7284.8001085222	Sum of GTIs [s]
livetime	6606.9291751516	Livetime [s]
ontime7	7284.8001085222	Sum of GTIs [s]
l2events	3892	Number of level 2 events



2 OBI

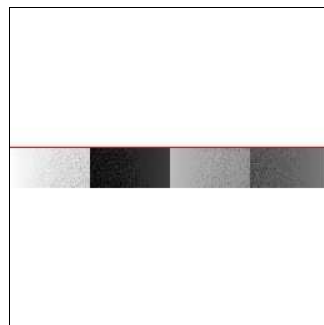
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	7100.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	7284.8001085222	Sum of GTIs [s]
caldsver	4.5.2	 	ontime7	7284.8001085222	Sum of GTIs [s]
date	2012-11-14T00:16:45	Date and time of file creation	l1events	10896	Number of level 1 events
revision	3	Processing version of data			

2.1.4 Events

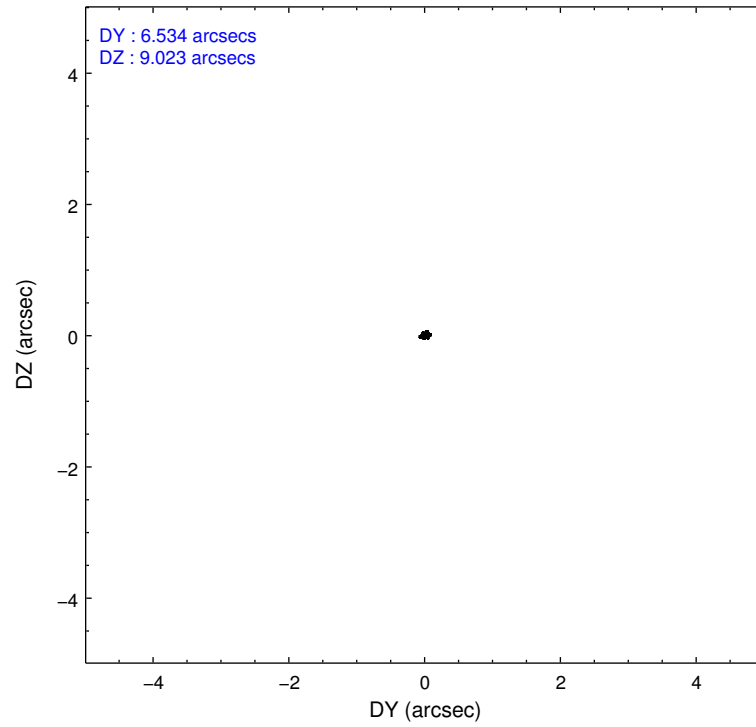
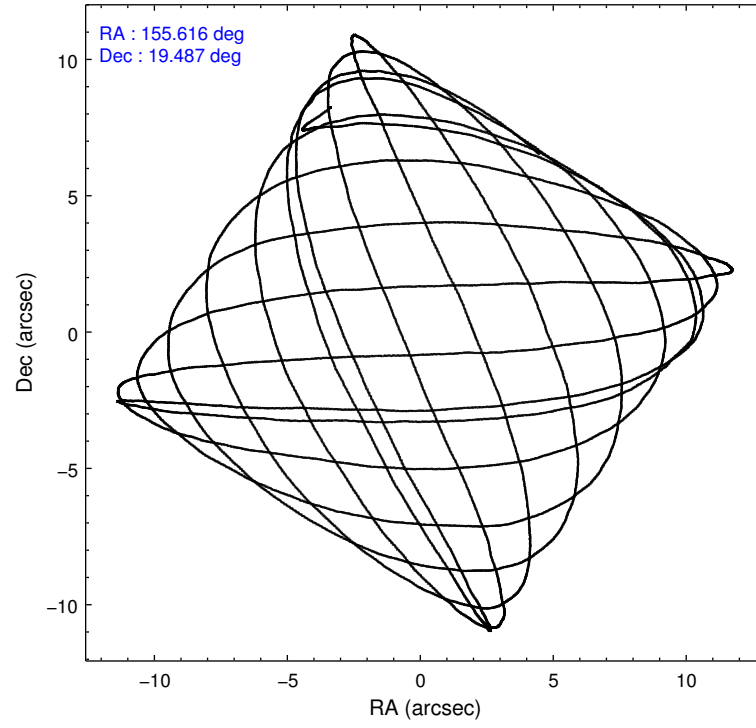
	ccd 7
level 1 events	10896
rejected events	6853
rejected %	62%

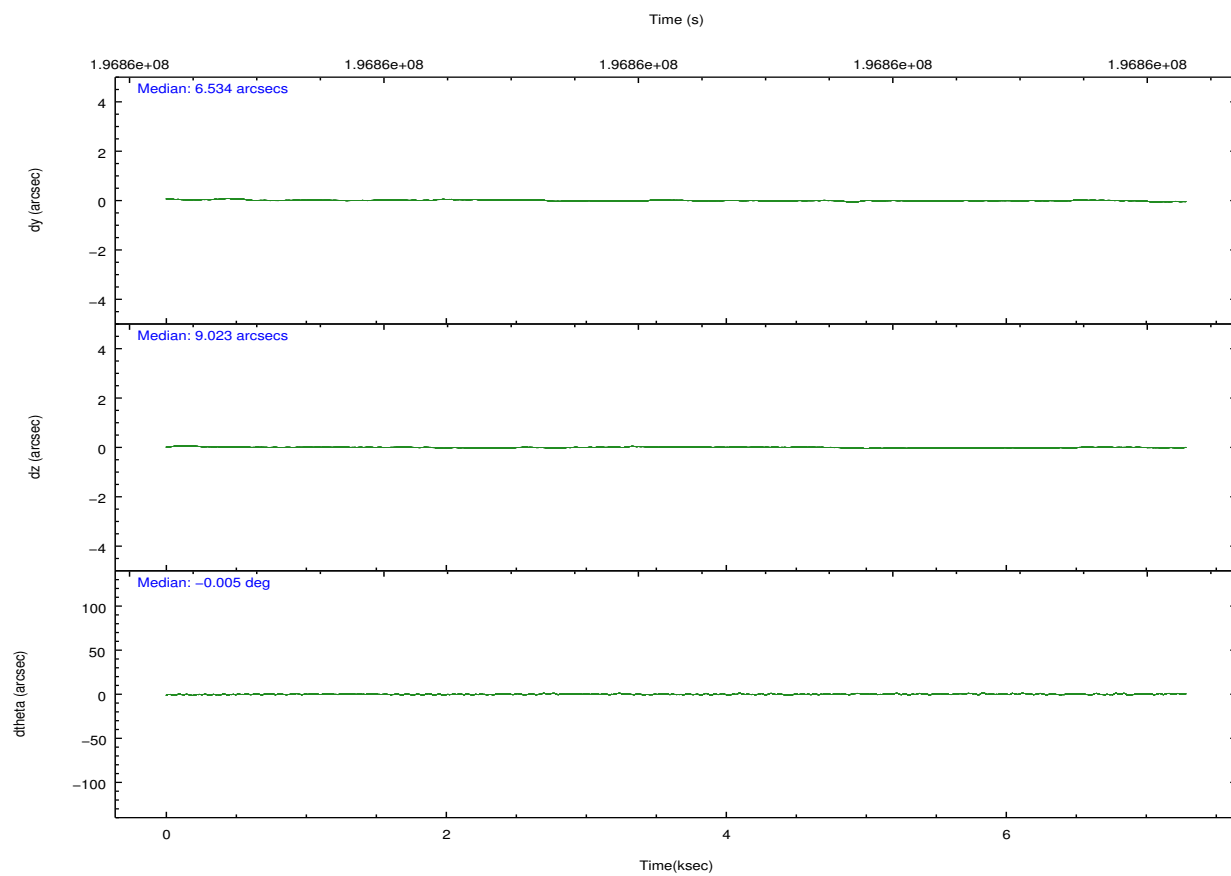
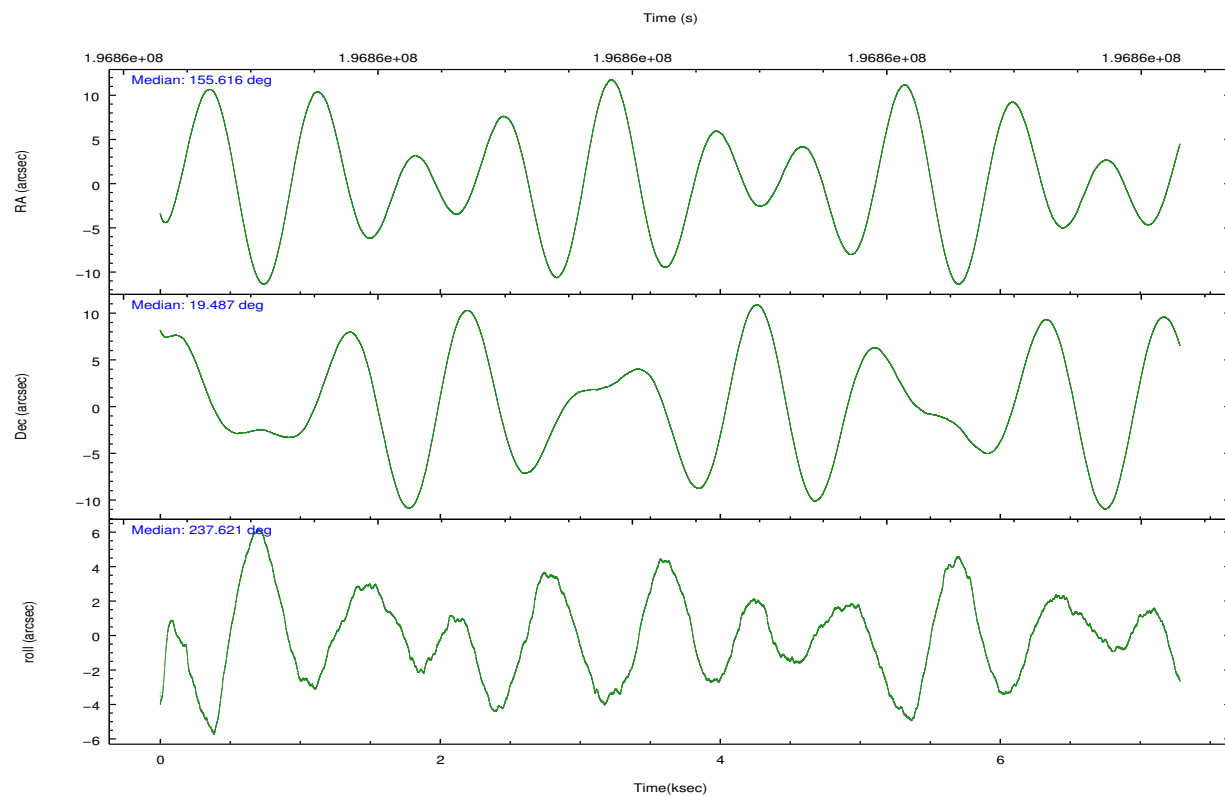
	ccd 7
grade 0 events	524
	4%
grade 1 events	14
	0%
grade 2 events	940
	8%
grade 3 events	631
	5%
grade 4 events	618
	5%
grade 5 events	1015
	9%
grade 6 events	2233
	20%
grade 7 events	4921
	45%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-7	ACIS-7	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	155.616379	155.6155898905221	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	19.514254	19.48709104714008	Subarray start row	449	449
[deg] Pointing Roll	237.470938	237.6278350656625	Subarray row count	128	128
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	0.4
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	196856840.184000	196855213.97828			
Observation start date	2004-03-28T10:26:16	2004-03-28T10:00:13			
[s] Observation end time (MET)	196863940.184000	196864564.02869			
Observation end date	2004-03-28T12:24:36	2004-03-28T12:36:04			
Read mode	TIMED	TIMED			

2.3 Aspect



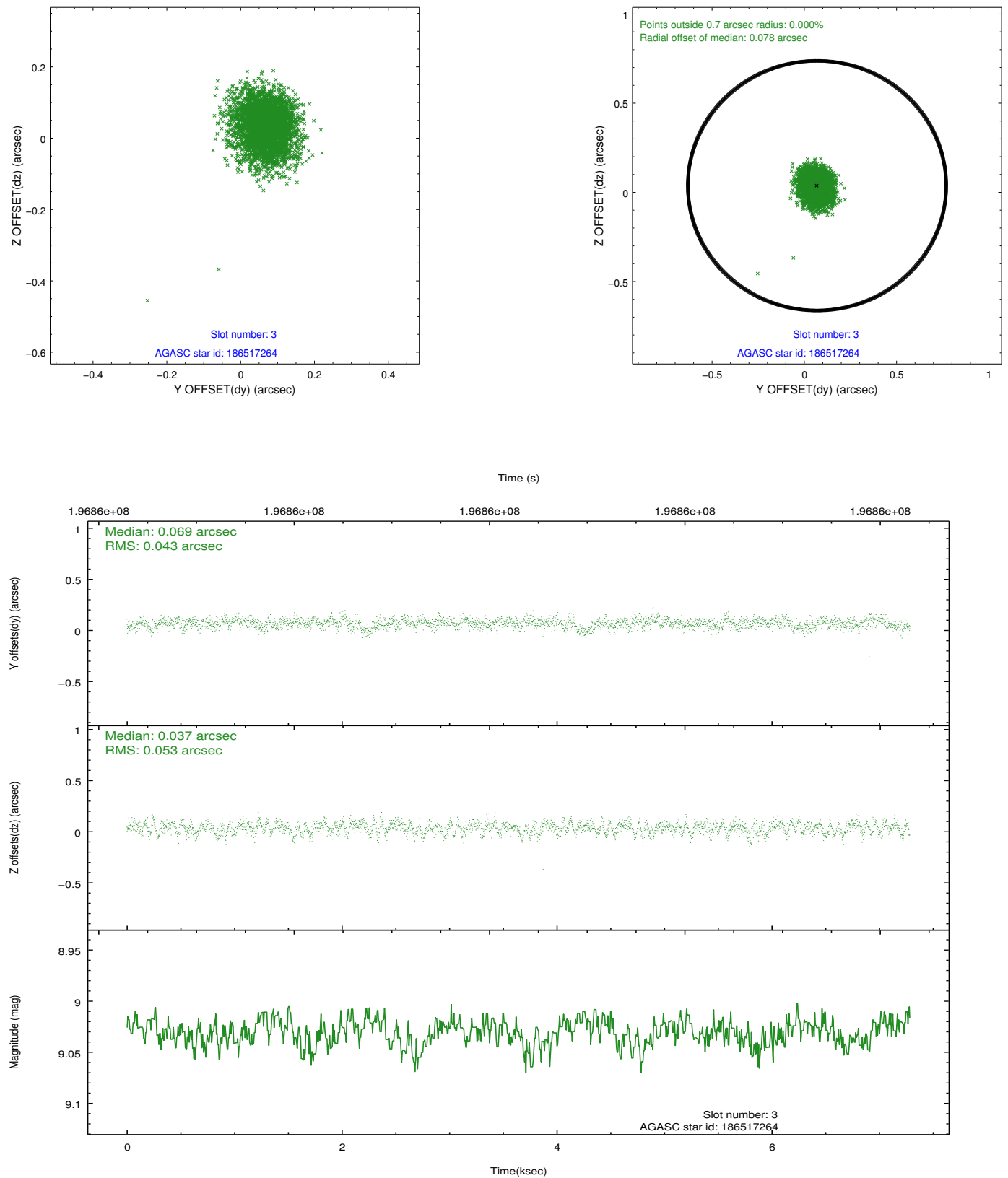


Slot Statistics

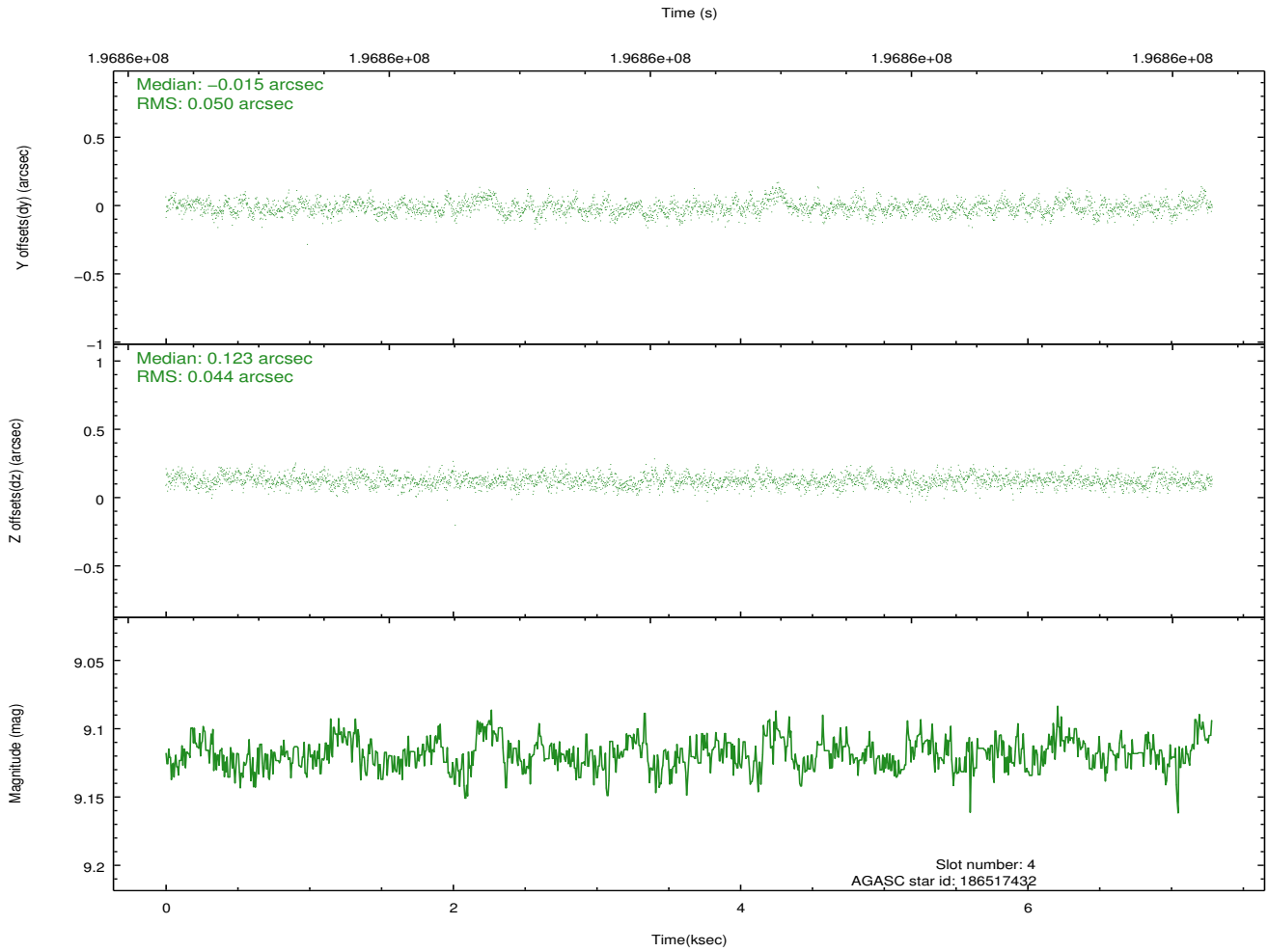
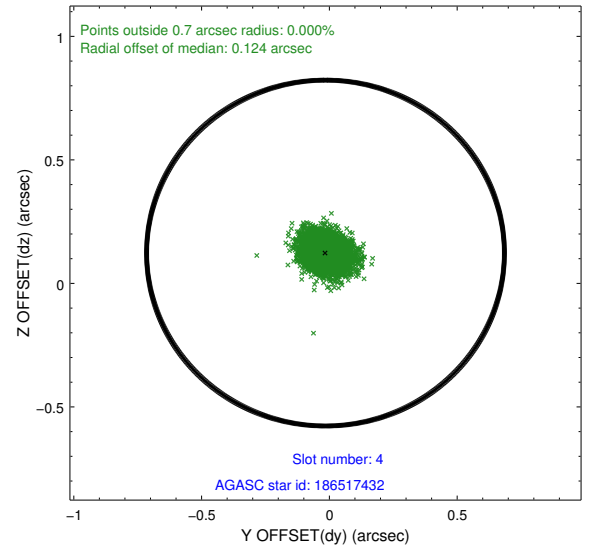
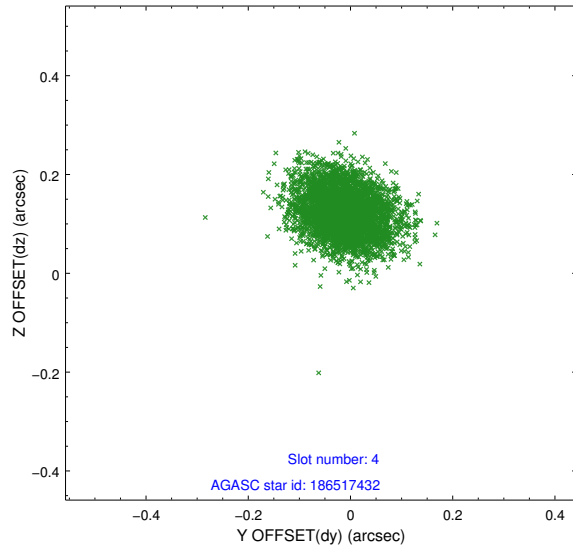
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.19	1777	0.043	-0.019	0.006	0.012	0.000000	0.000000	936.78	-1725.90
1	FID	ACIS-S-5	7.24	1777	-0.075	0.035	0.006	0.011	0.000000	0.000000	-1811.87	170.94
2	FID	ACIS-S-6	7.35	1777	0.012	-0.005	0.007	0.012	0.000000	0.000000	401.49	815.72
3	GUIDE	186517264	9.03	3554	0.069	0.037	0.071	0.118	155.474034	19.793179	-586.55	-946.41
4	GUIDE	186517432	9.12	3553	-0.015	0.123	0.071	0.115	155.977538	19.585156	-874.60	894.76
5	GUIDE	186517504	8.29	3555	0.083	-0.058	0.062	0.101	155.199091	19.538995	685.36	-1241.96
6	GUIDE	186519112	7.02	3555	-0.014	0.003	0.056	0.092	155.746796	19.130951	925.33	1115.95
7	GUIDE	186915152	8.63	3553	-0.121	-0.105	0.067	0.107	155.481319	20.053598	-1390.76	-1428.91

2.4 Star Slots

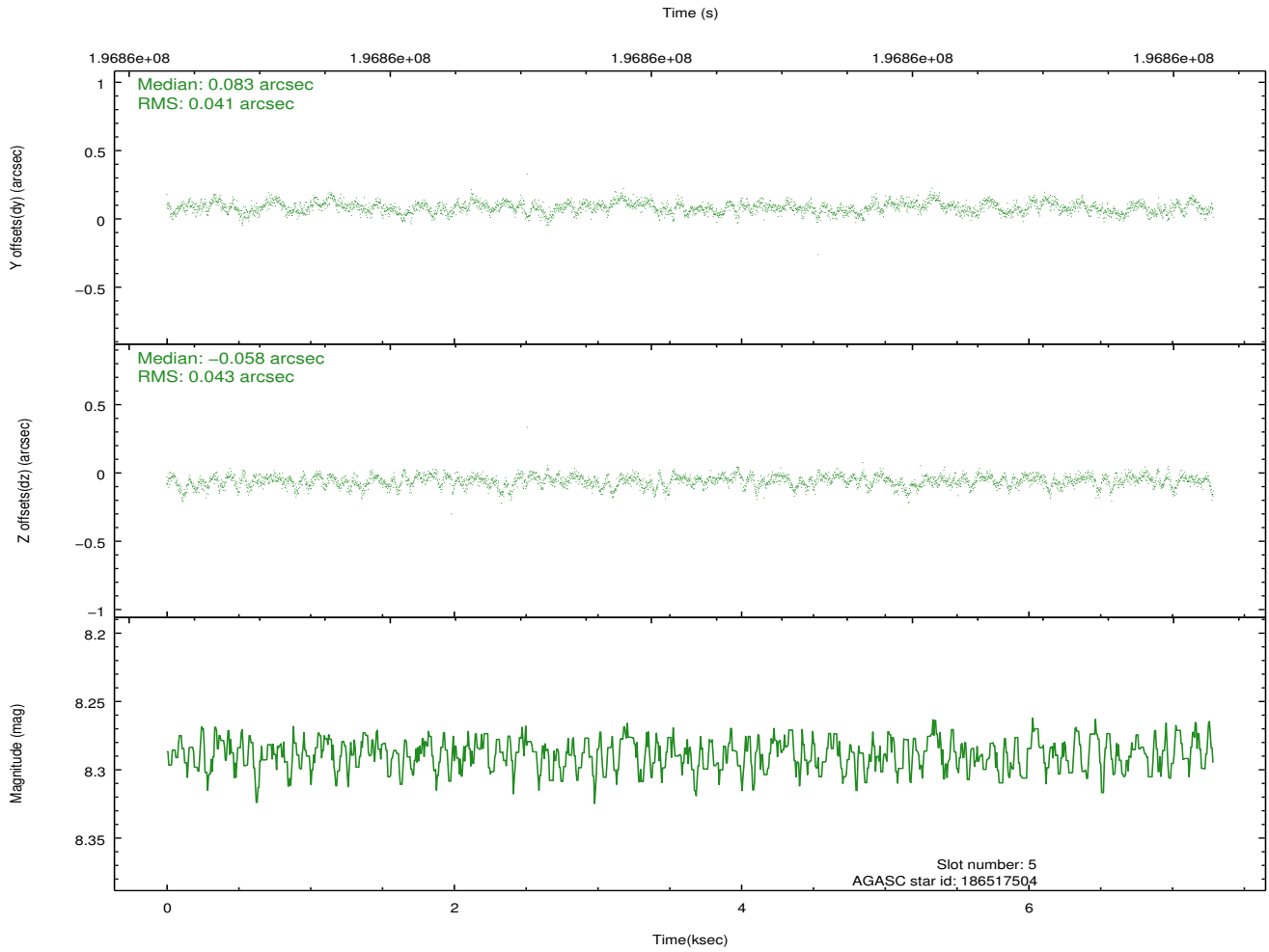
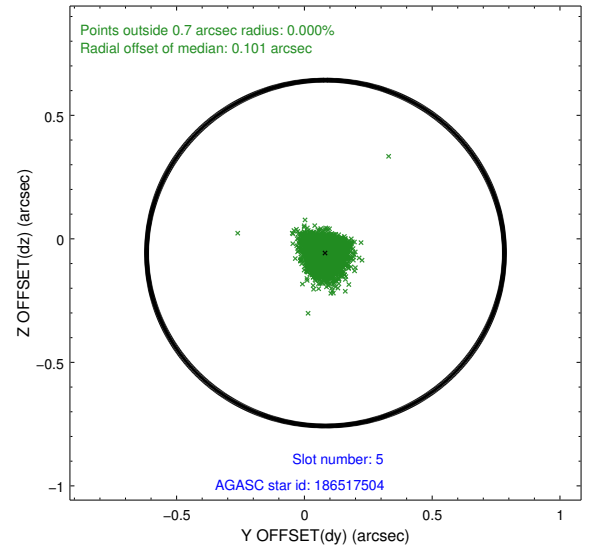
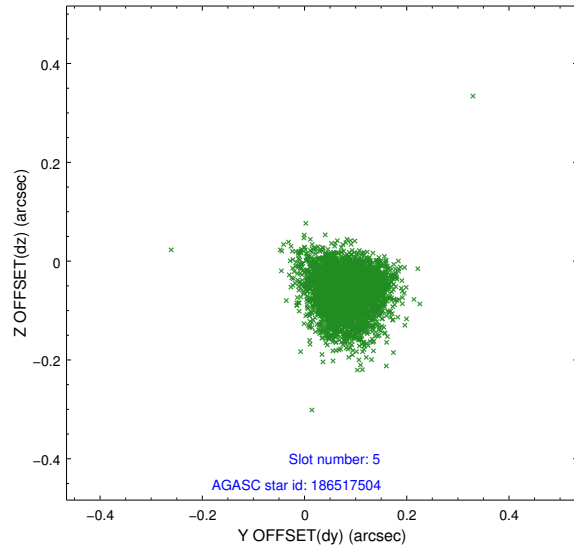
2.4.1 Slot 3



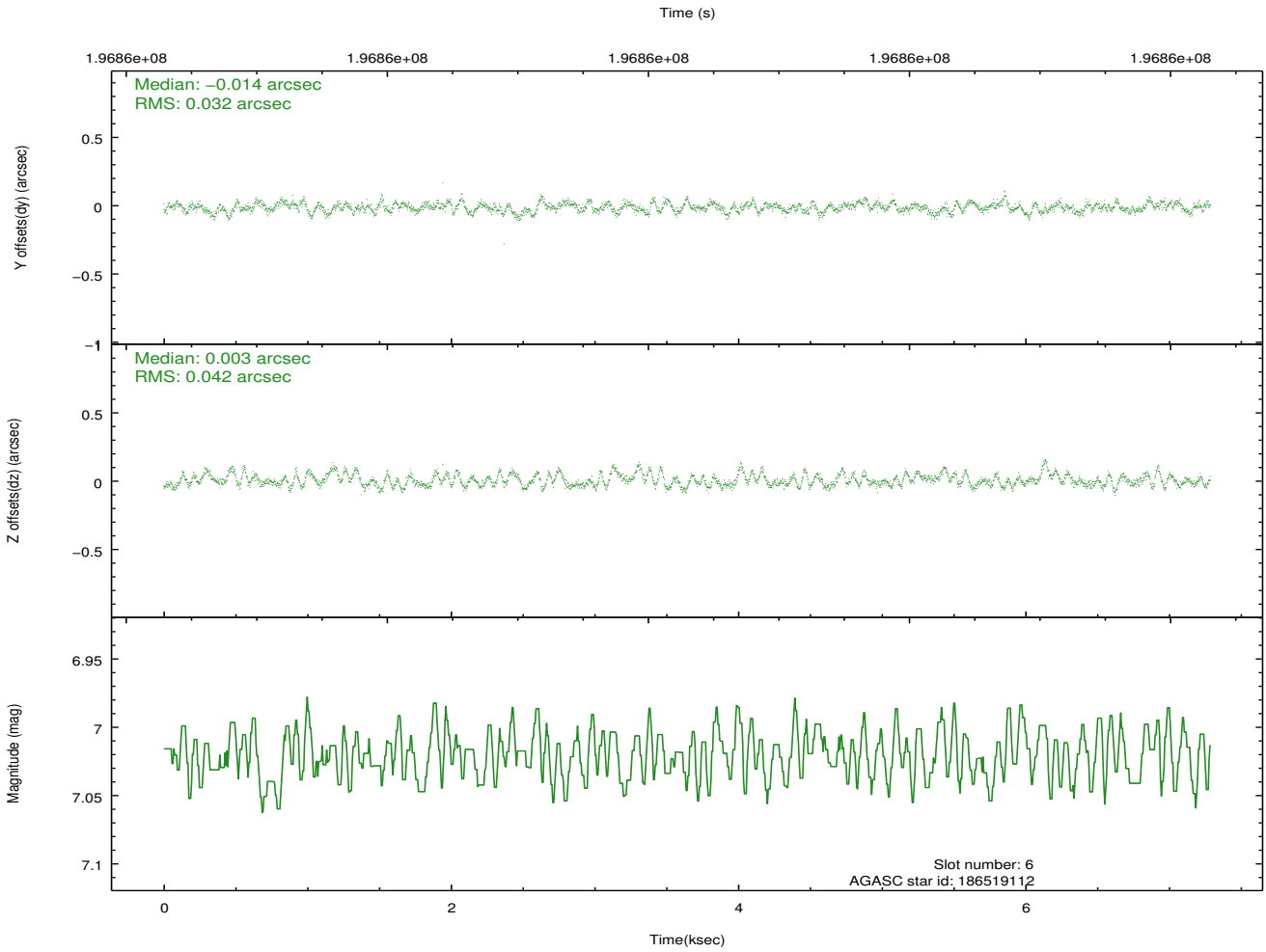
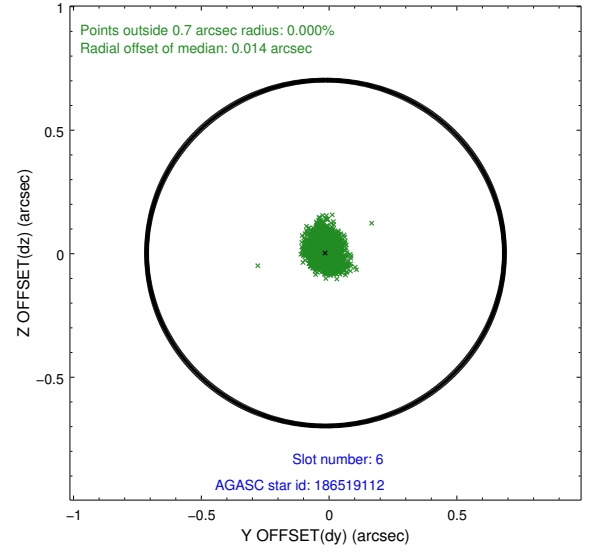
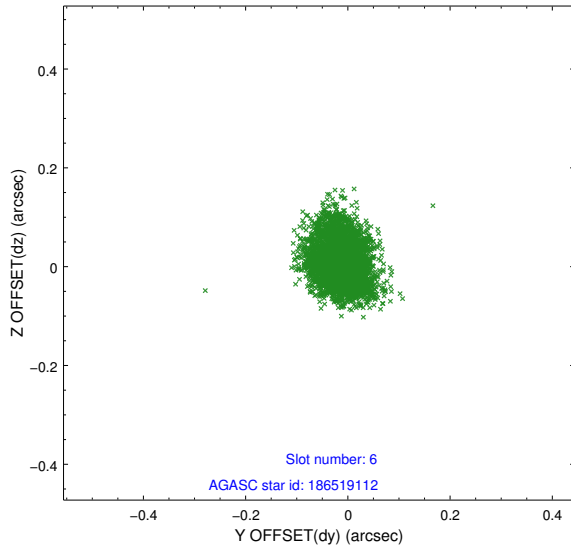
2.4.2 Slot 4



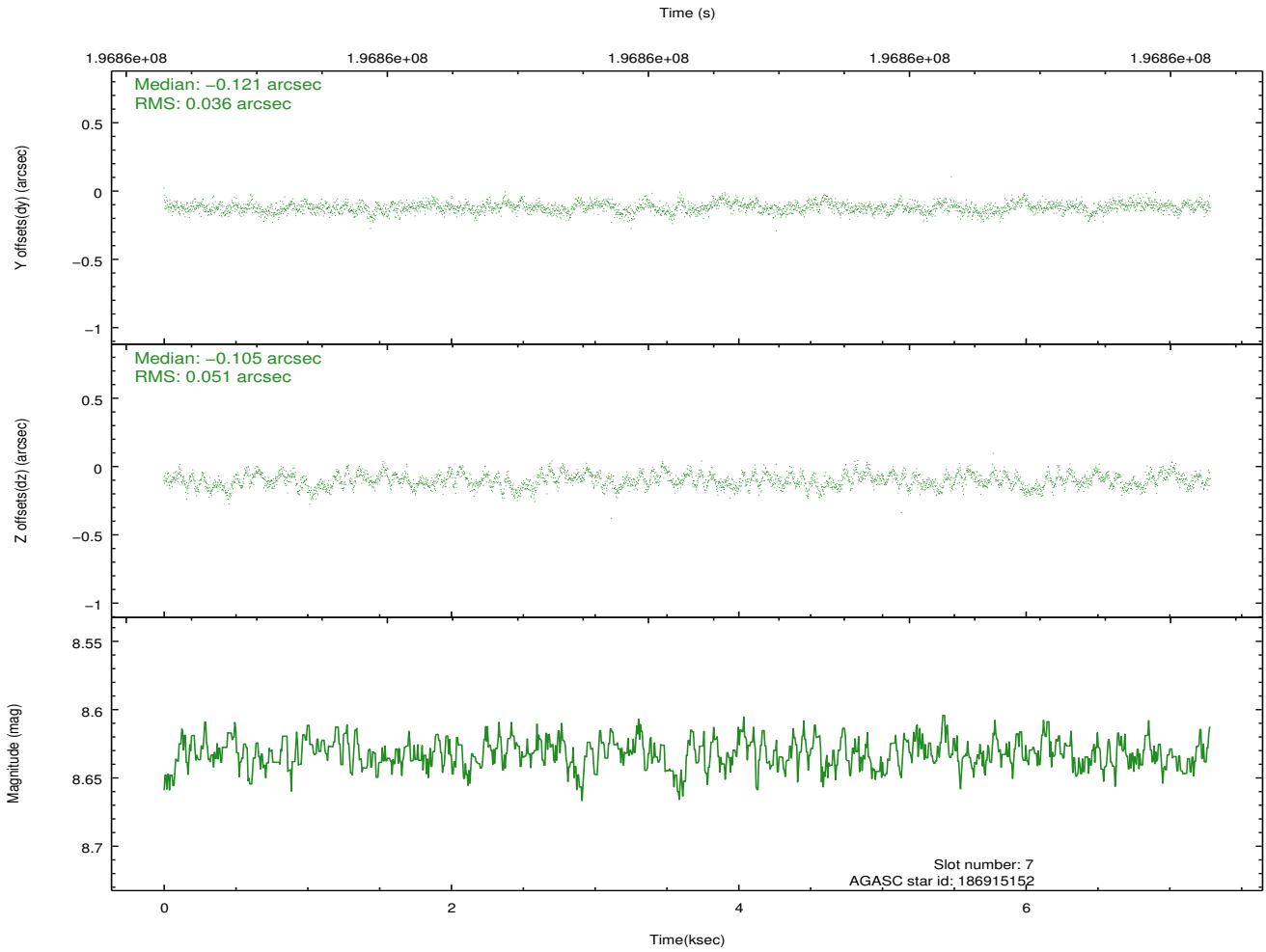
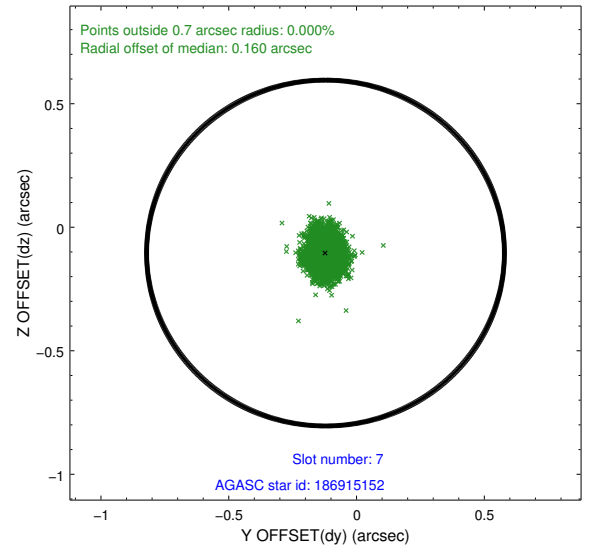
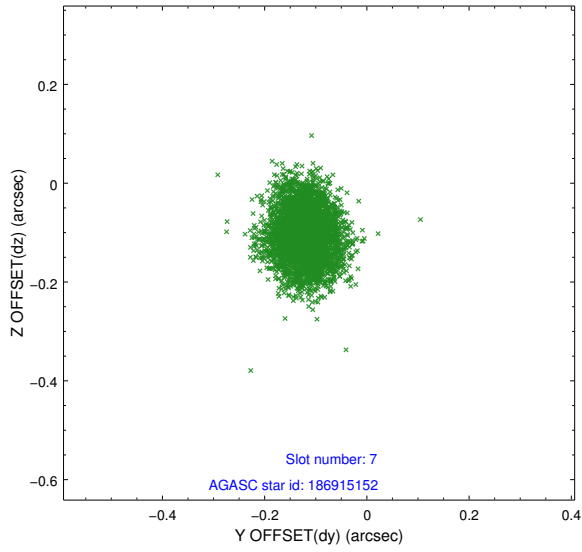
2.4.3 Slot 5



2.4.4 Slot 6

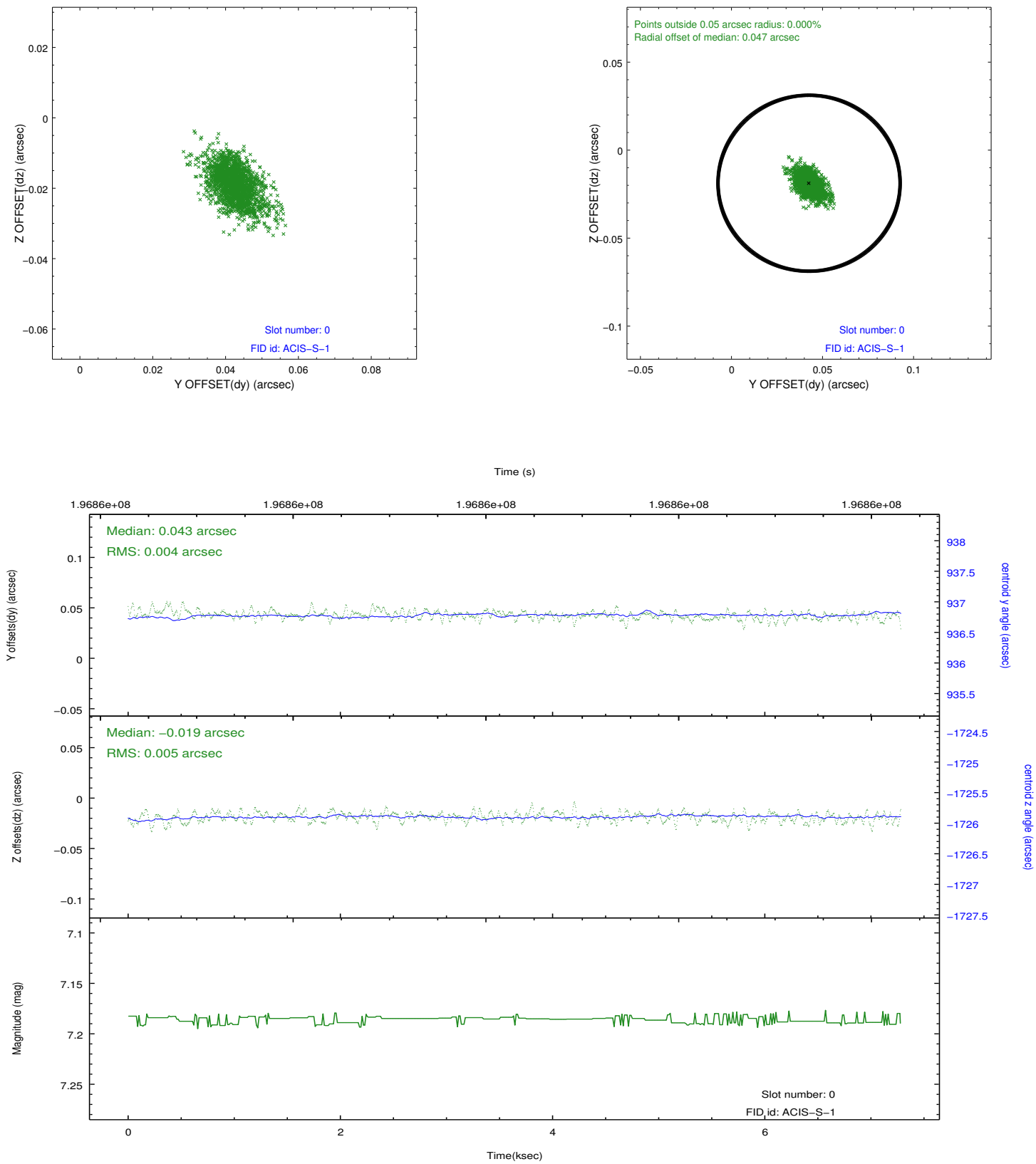


2.4.5 Slot 7

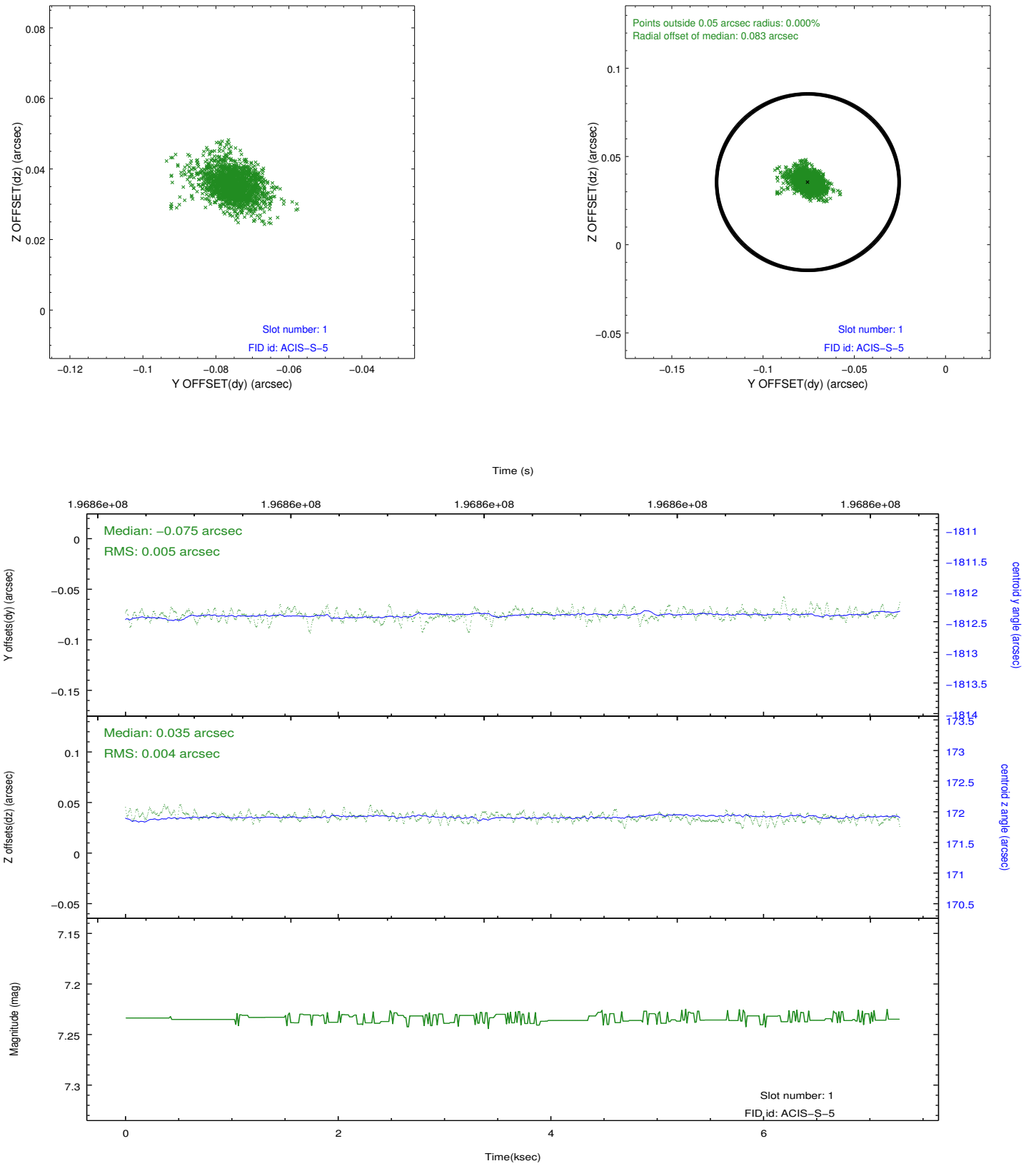


2.5 FID Slots

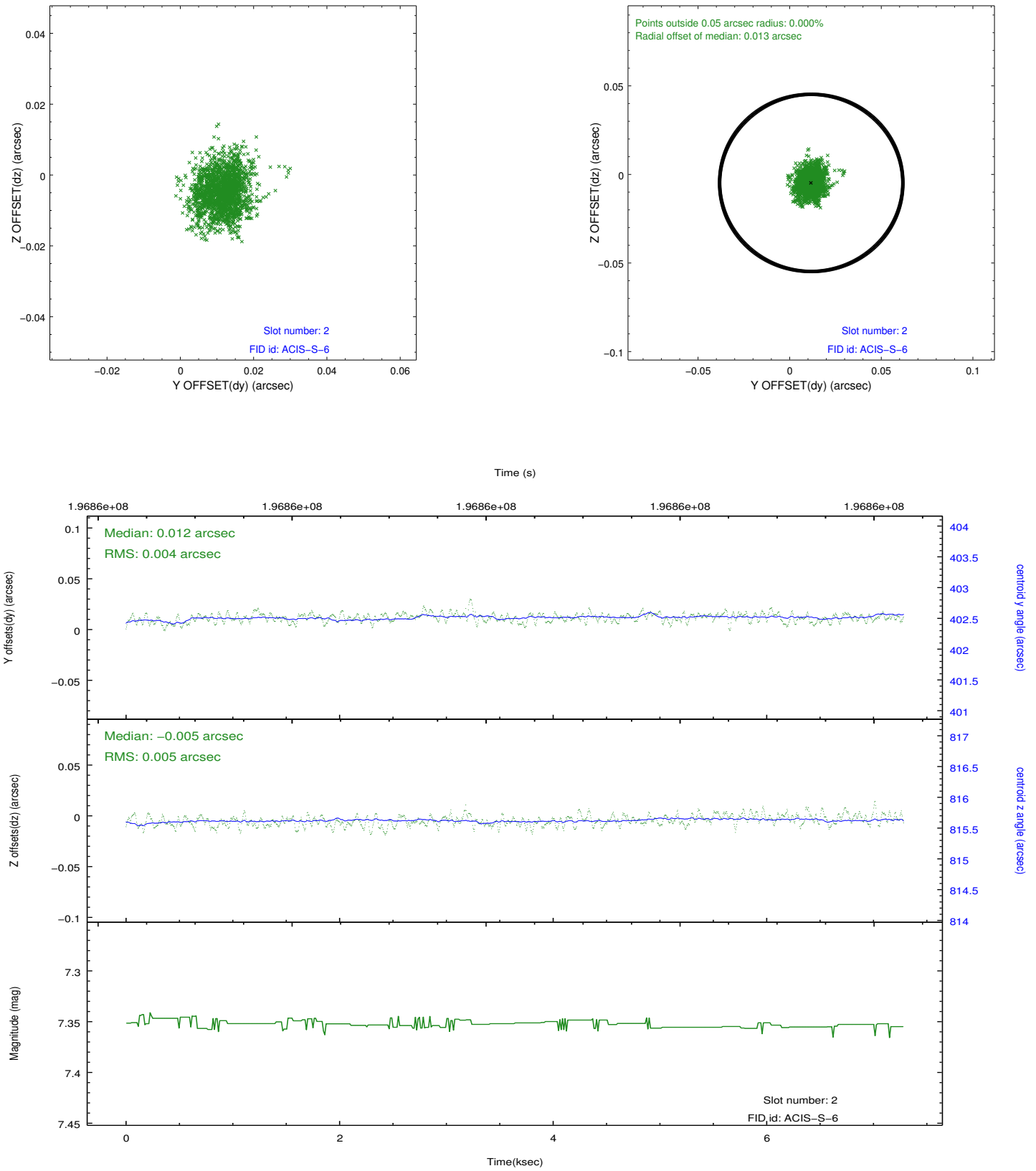
2.5.1 Slot 0



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)	2012.12.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.284

A.2 Comments