

Huygens GCMS Flight Data

Post-Launch NO_pre-heating – CO1

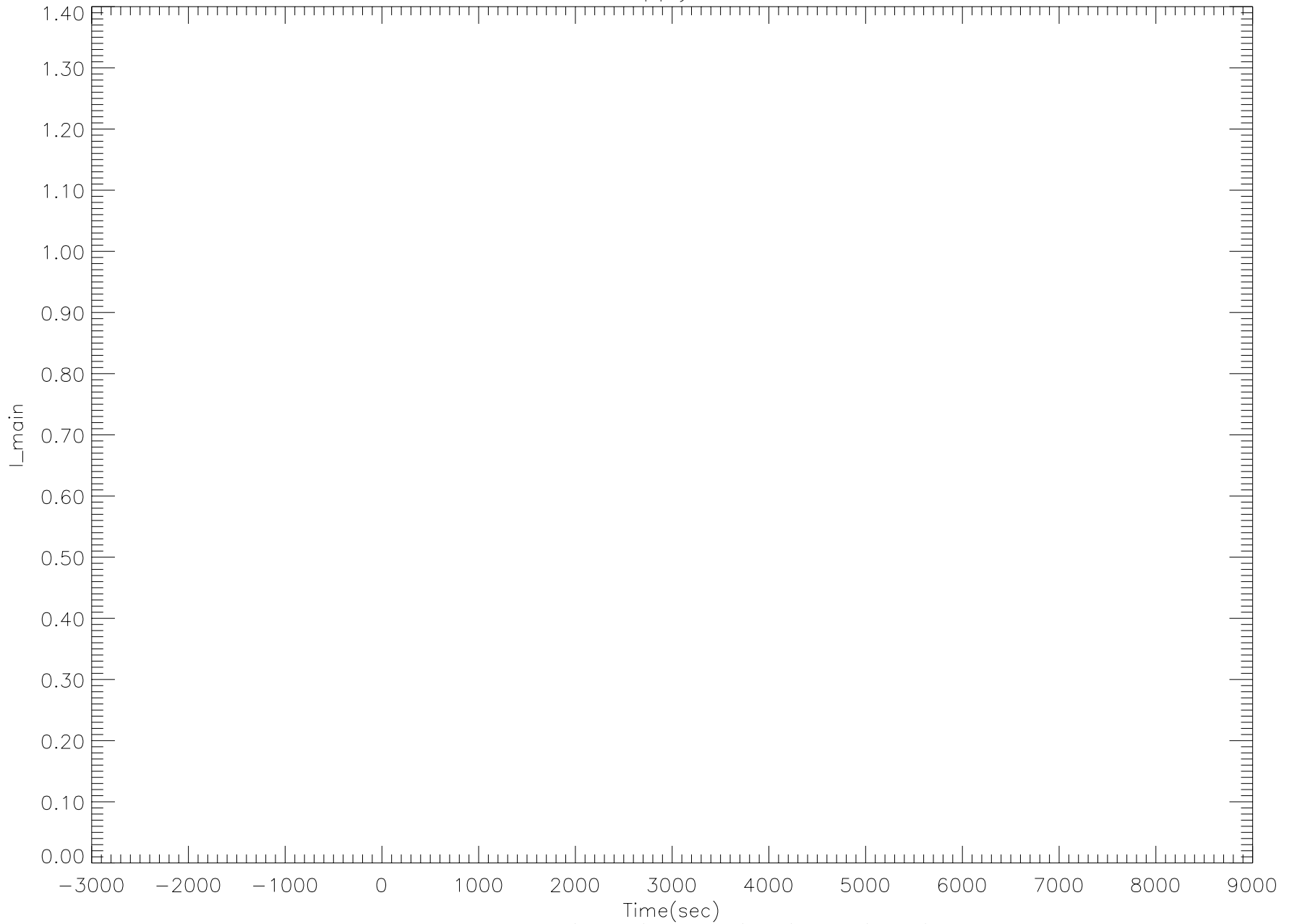
December 9, 2003

Launch + 74 Months

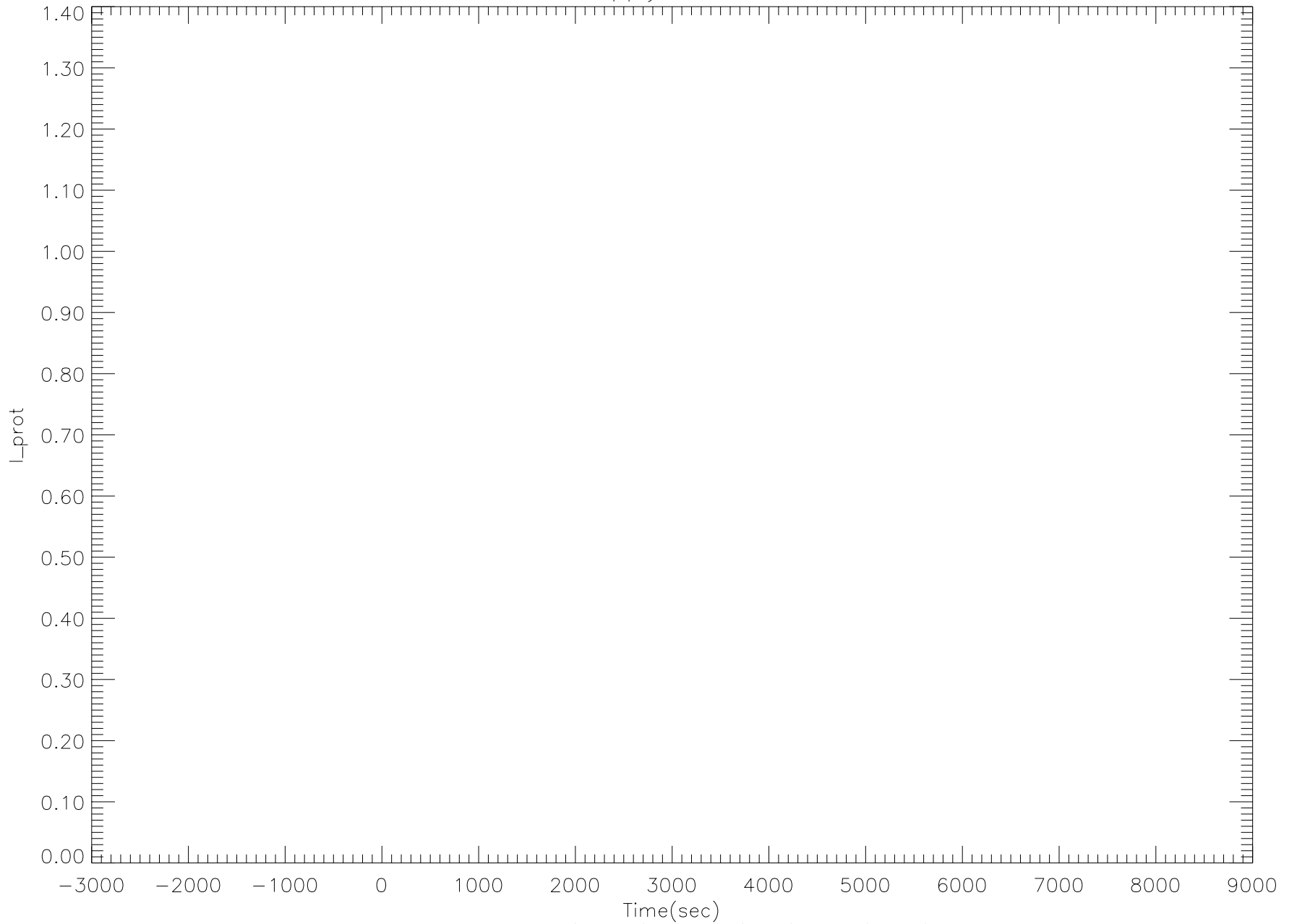
031209-FU_L_Plus_74_Mo-FCO1

(raw file o374sg__.1h_)

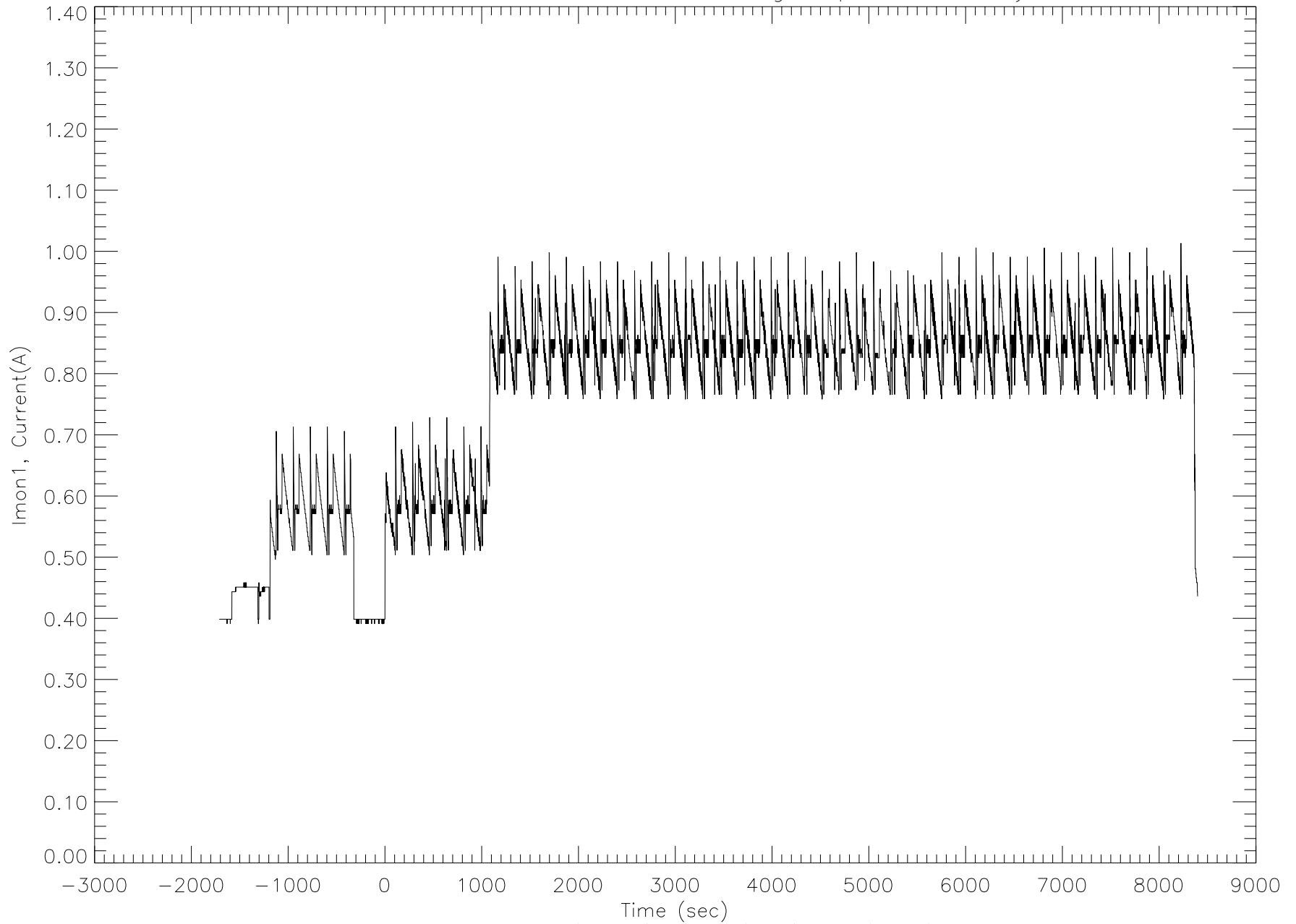
HP Power Supply Main Current



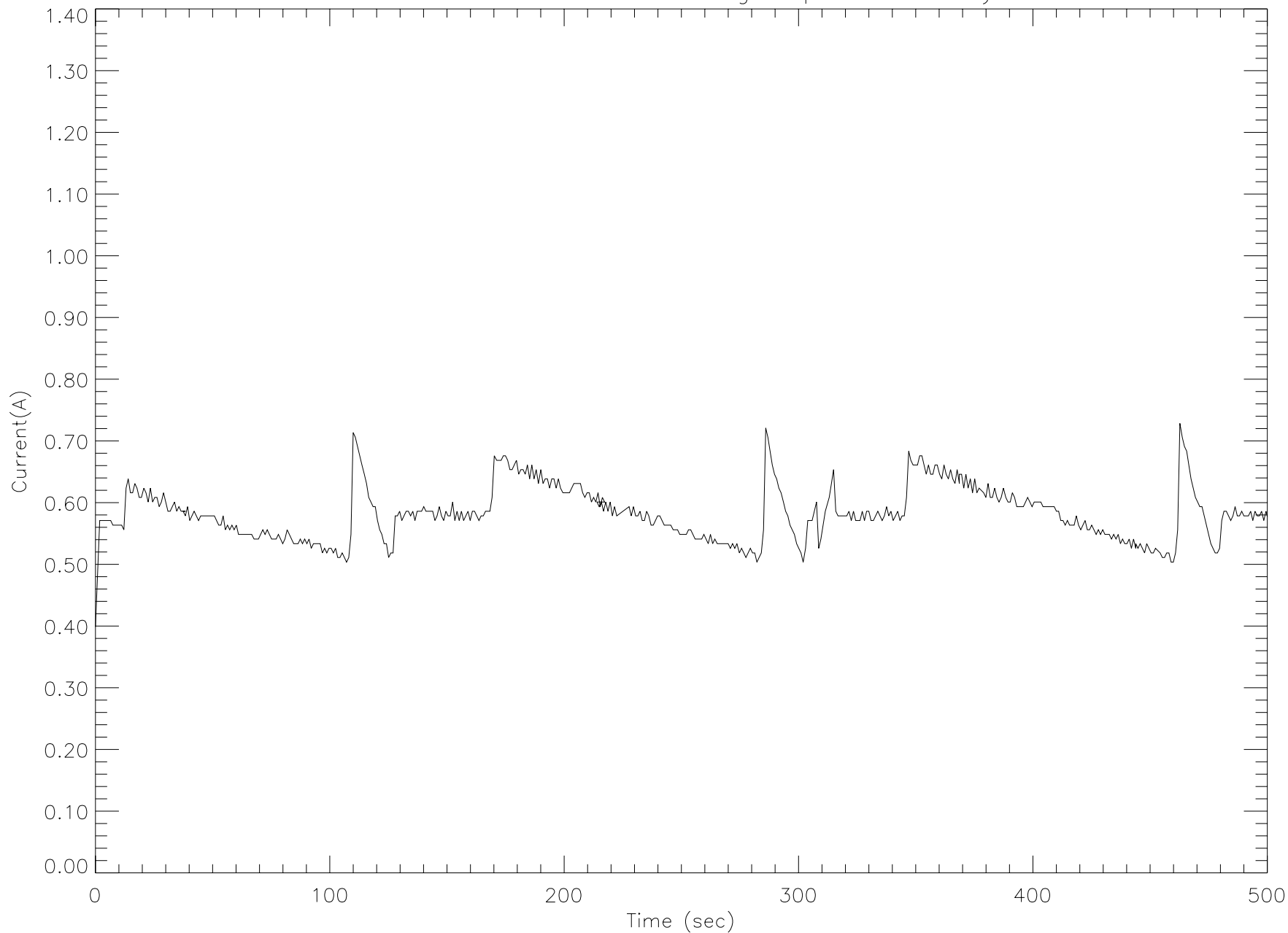
HP Power Supply Protected Current



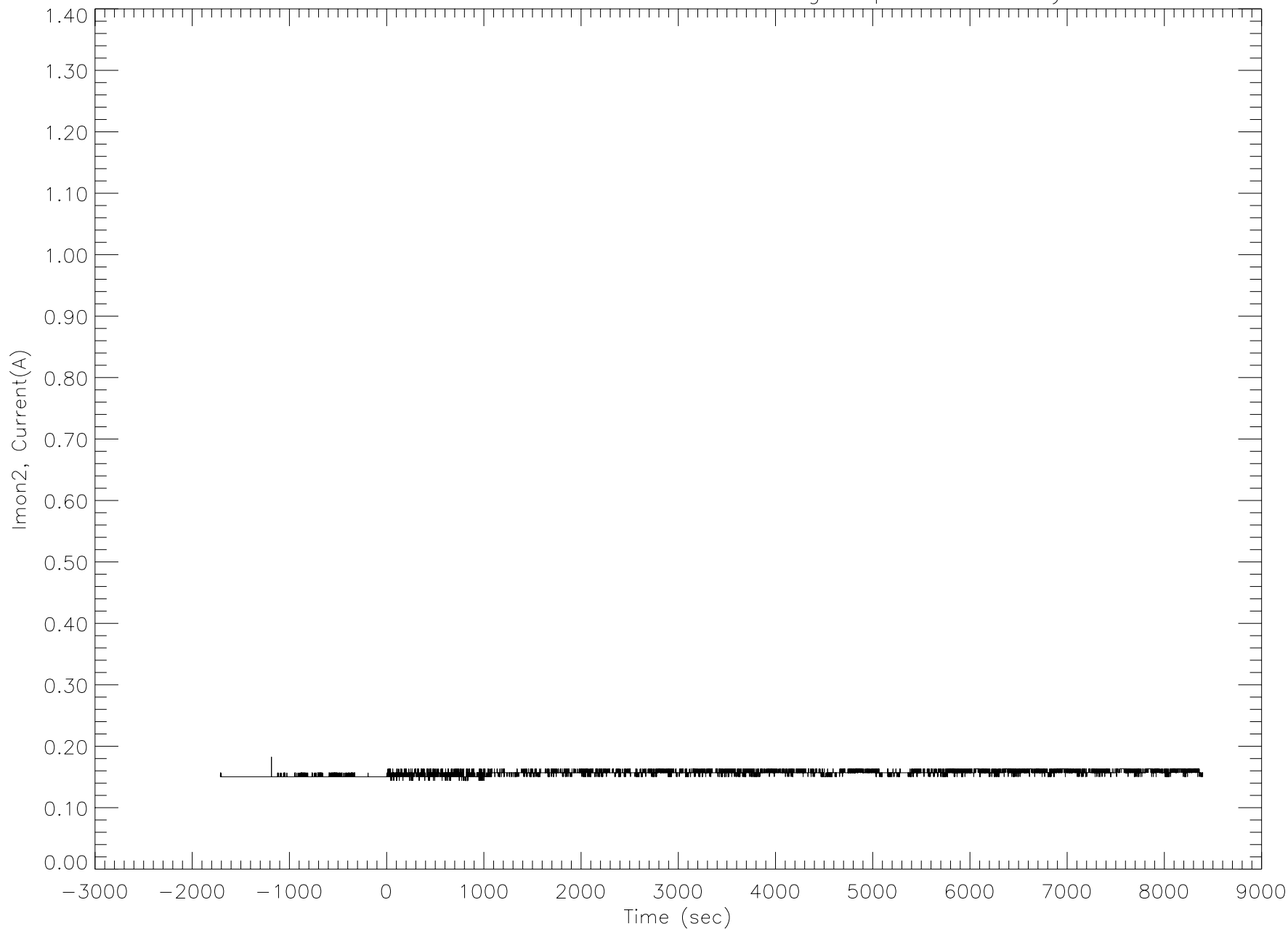
GCMS Main Current vs MET from High-Speed Telemetry



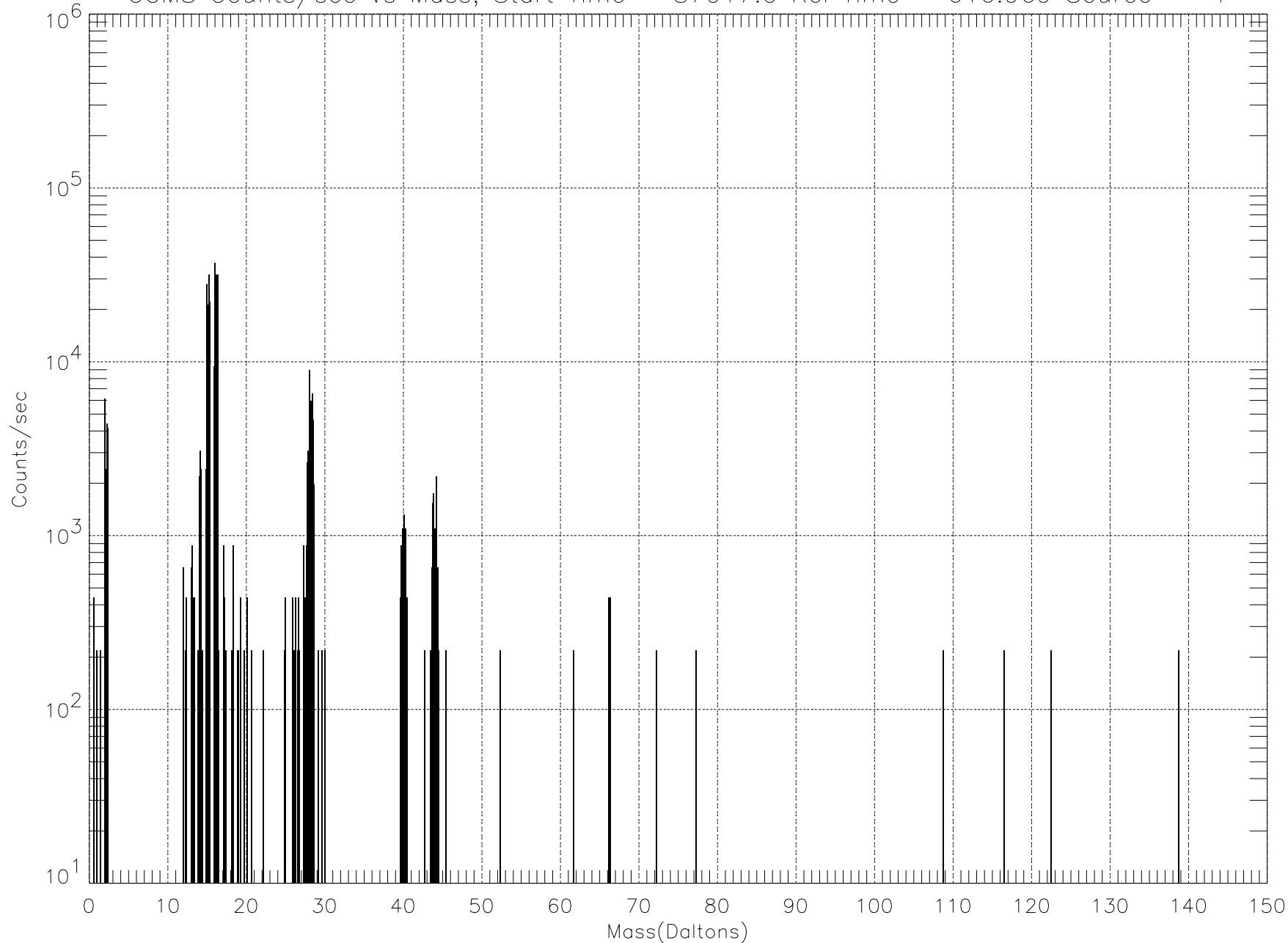
GCMS Imon1 vs MET from High-Speed Telemetry



GCMS Protected Current vs MET from High-Speed Telemetry



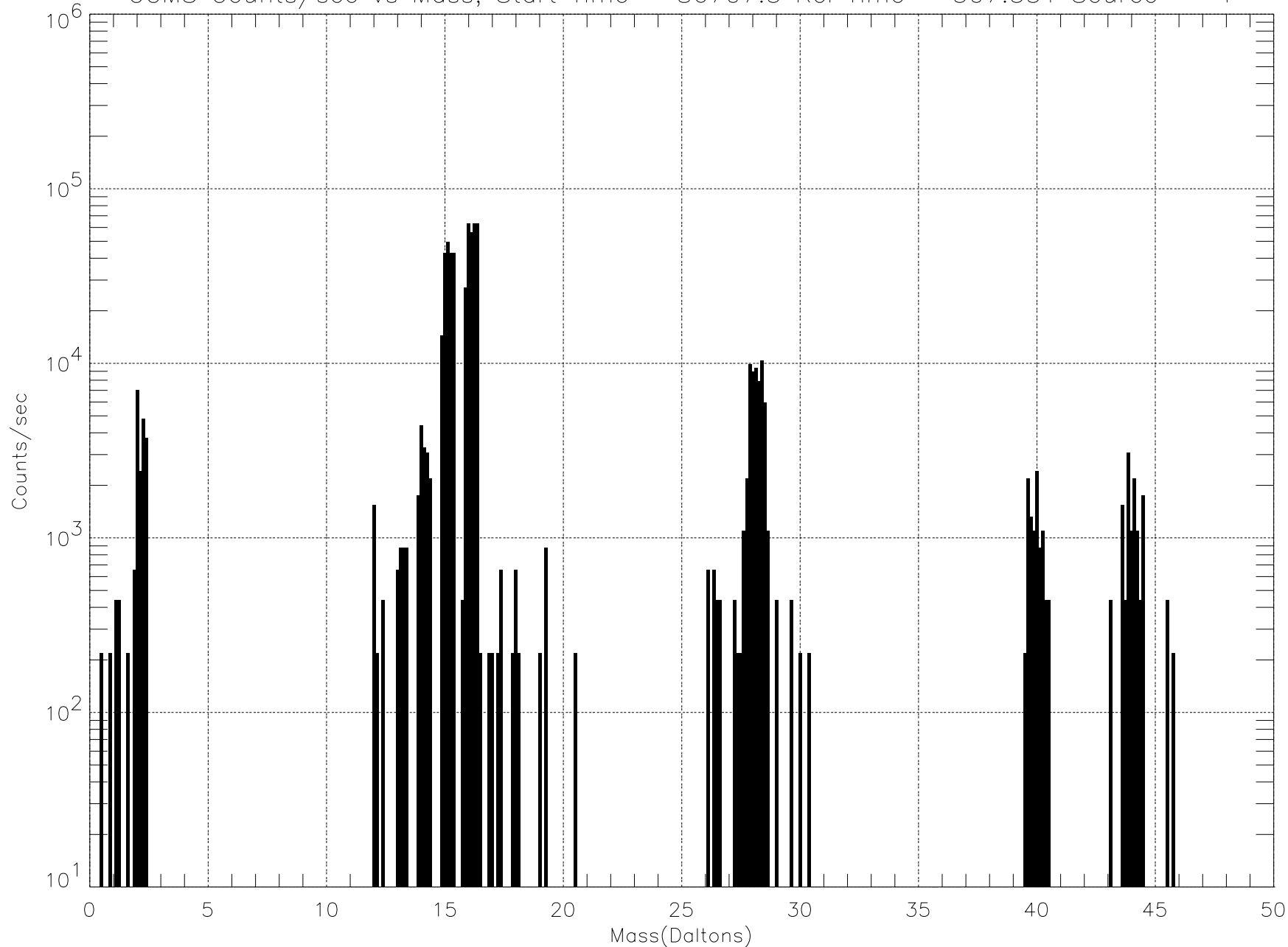
GCMS Counts/sec vs Mass, Start Time = 87017.0 Rel Time = 616.969 Source = 1



Printed: Wed Apr 14 12:48:07 2004

Path: /home/gcmsqm/gse/rev3.2/data/031209-FU-postEPROM_nopreheat_FC01-be

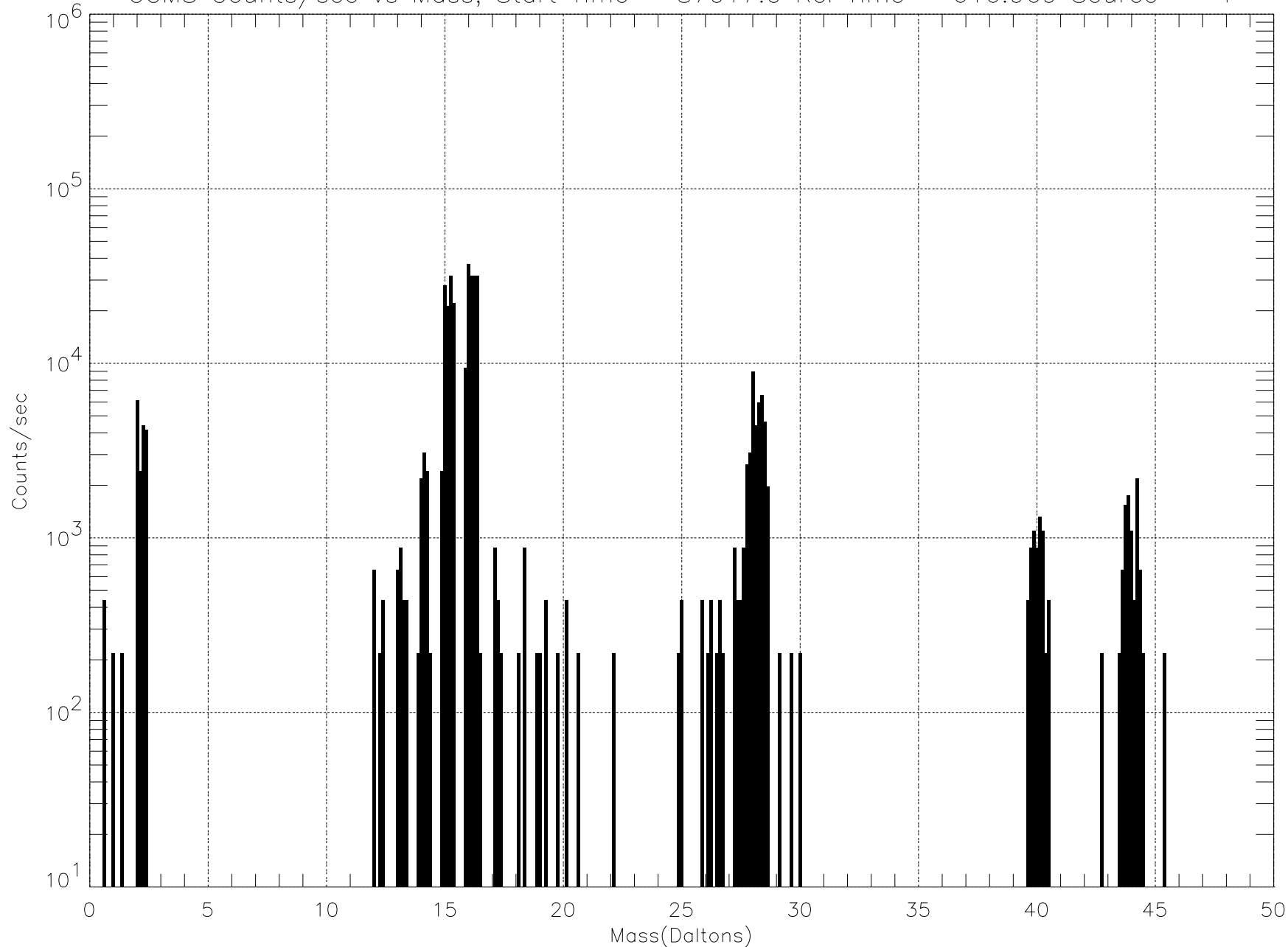
GCMS Counts/sec vs Mass, Start Time = 86707.5 Rel Time = 307.531 Source = 1



Printed: Wed Apr 14 12:48:20 2004

Path: /home/gcmsqm/gse/rev3.2/data/031209-FU-postEPROM_nopreheat_FC01-be

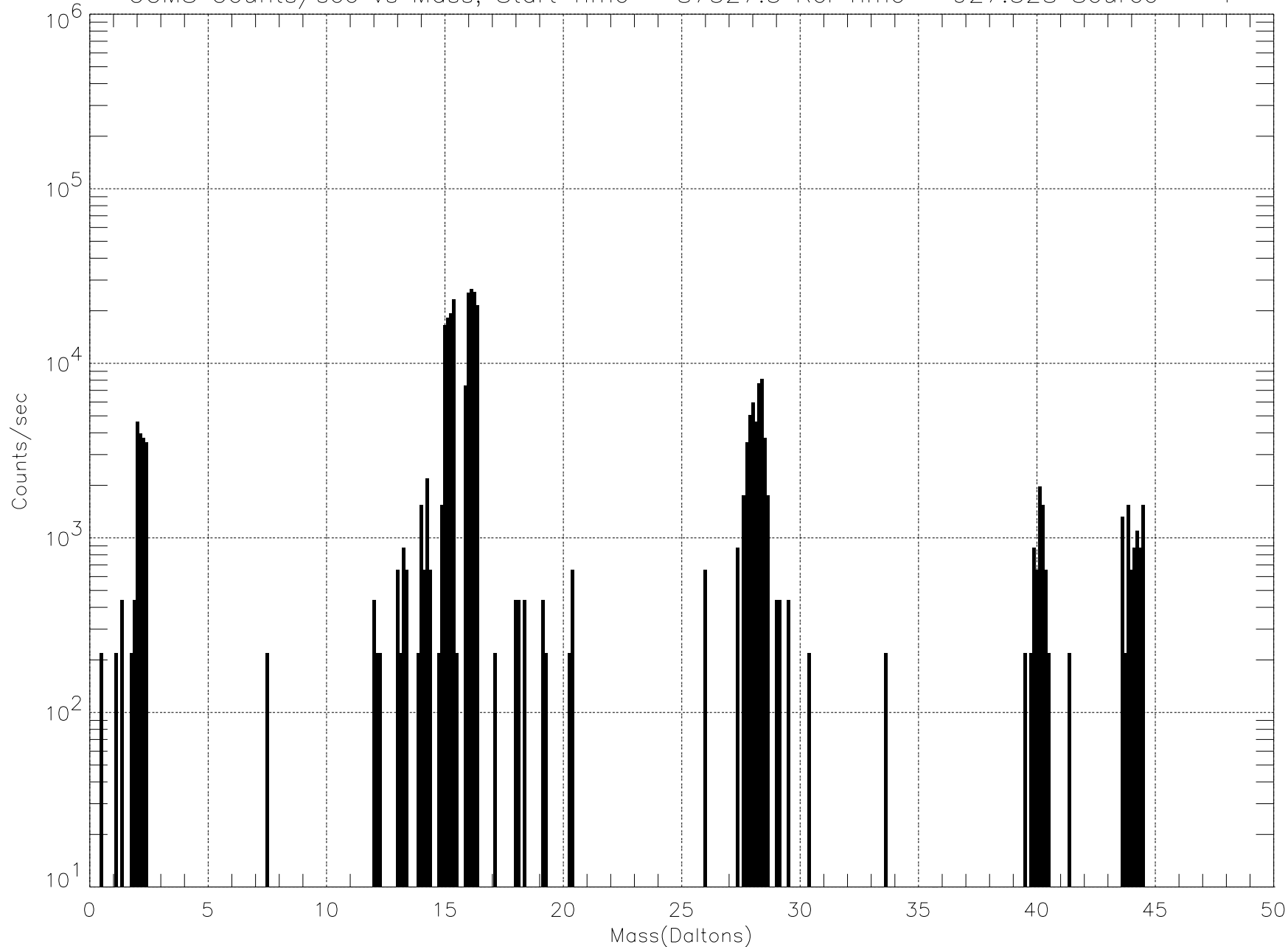
GCMS Counts/sec vs Mass, Start Time = 87017.0 Rel Time = 616.969 Source = 1



Printed: Wed Apr 14 12:48:20 2004

Path: /home/gcmsqm/gse/rev3.2/data/031209-FU-postEPROM_nopreheat_FC01-be

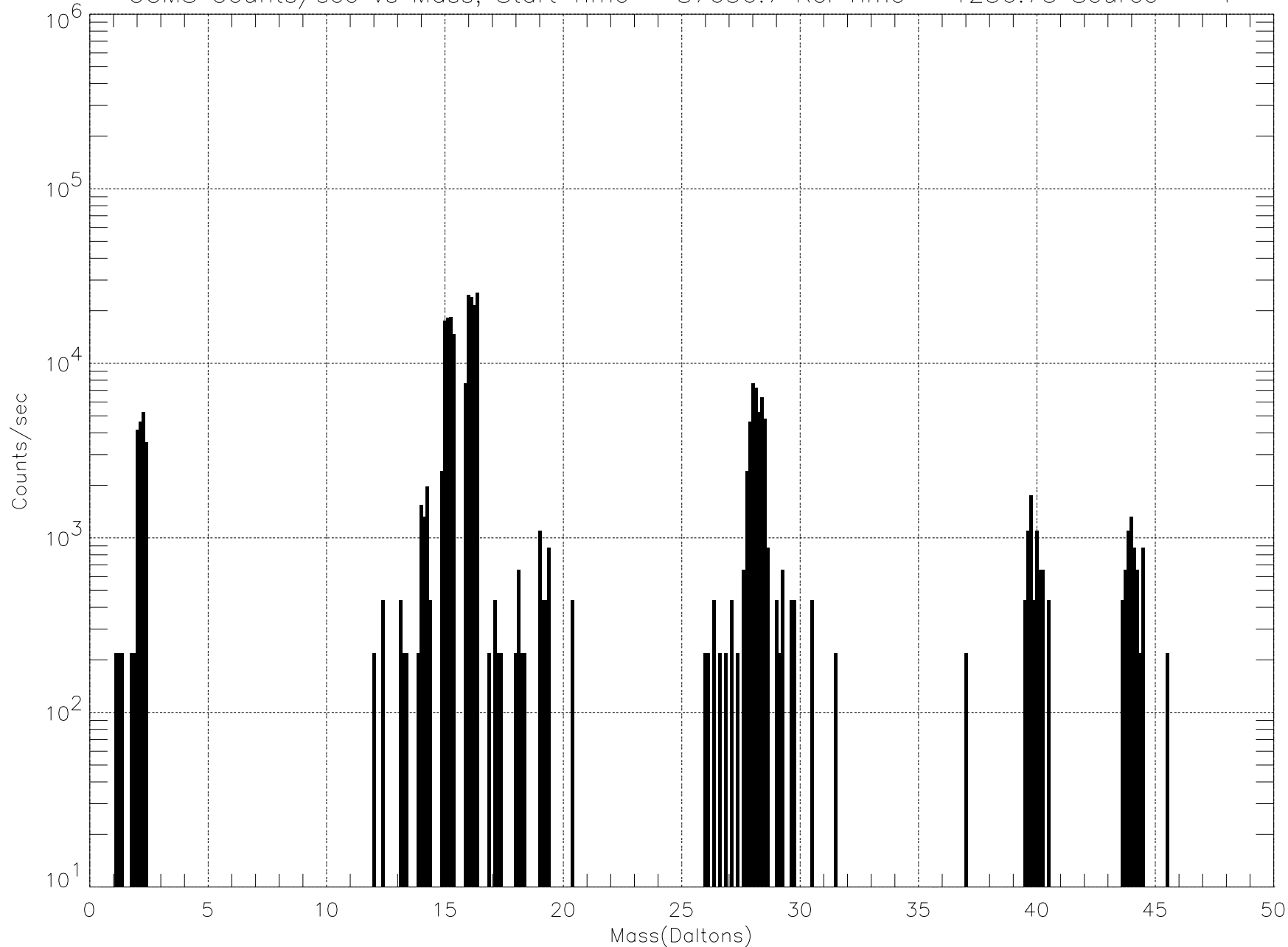
GCMS Counts/sec vs Mass, Start Time = 87327.3 Rel Time = 927.328 Source = 1



Printed: Wed Apr 14 12:48:20 2004

Path: /home/gcmsqm/gse/rev3.2/data/031209-FU-postEPROM_nopreheat_FC01-be

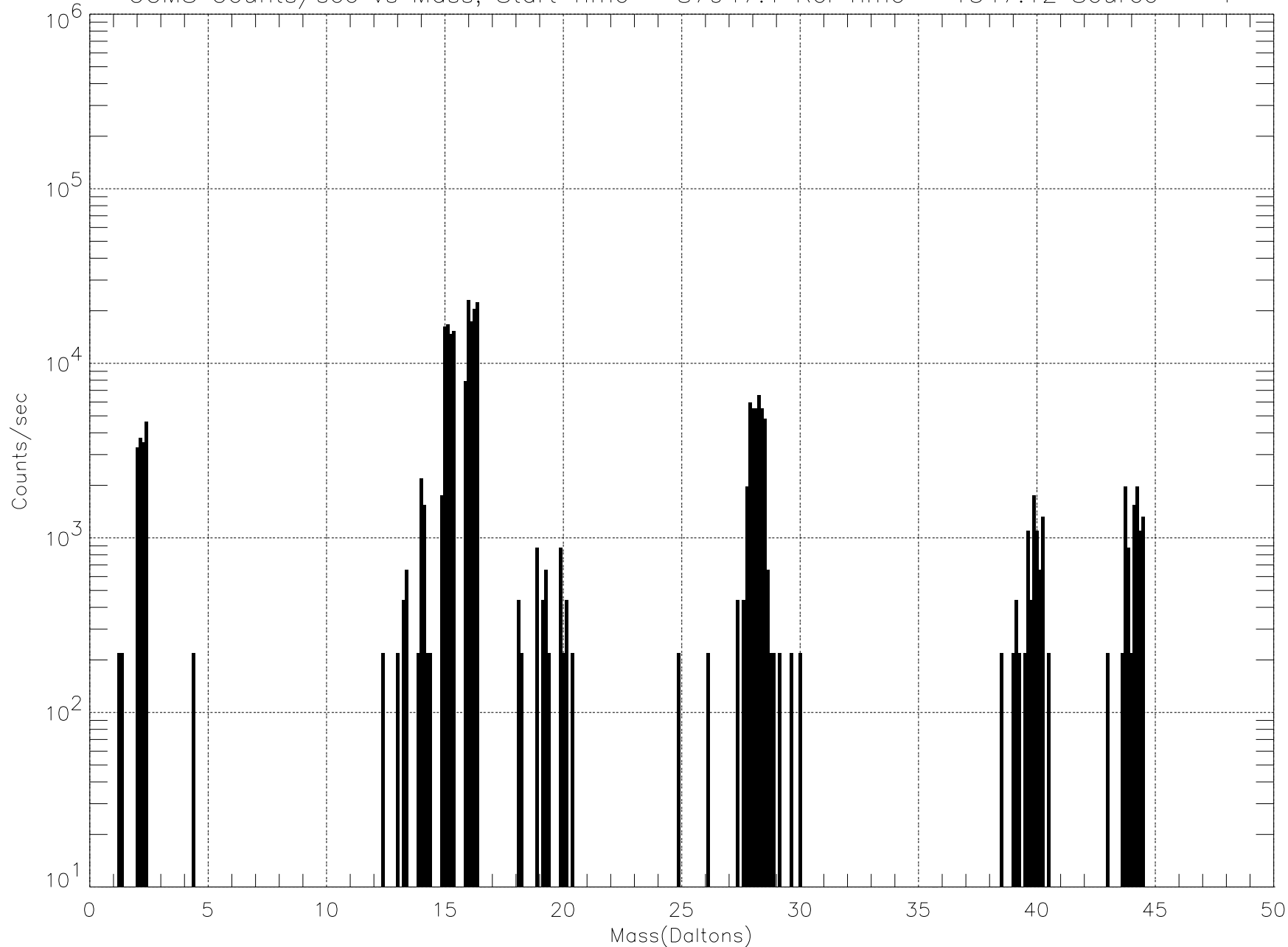
GCMS Counts/sec vs Mass, Start Time = 87636.7 Rel Time = 1236.73 Source = 1



Printed: Wed Apr 14 12:48:20 2004

Path: /home/gcmsqm/gse/rev3.2/data/031209-FU-postEPROM_nopreheat_FC01-be

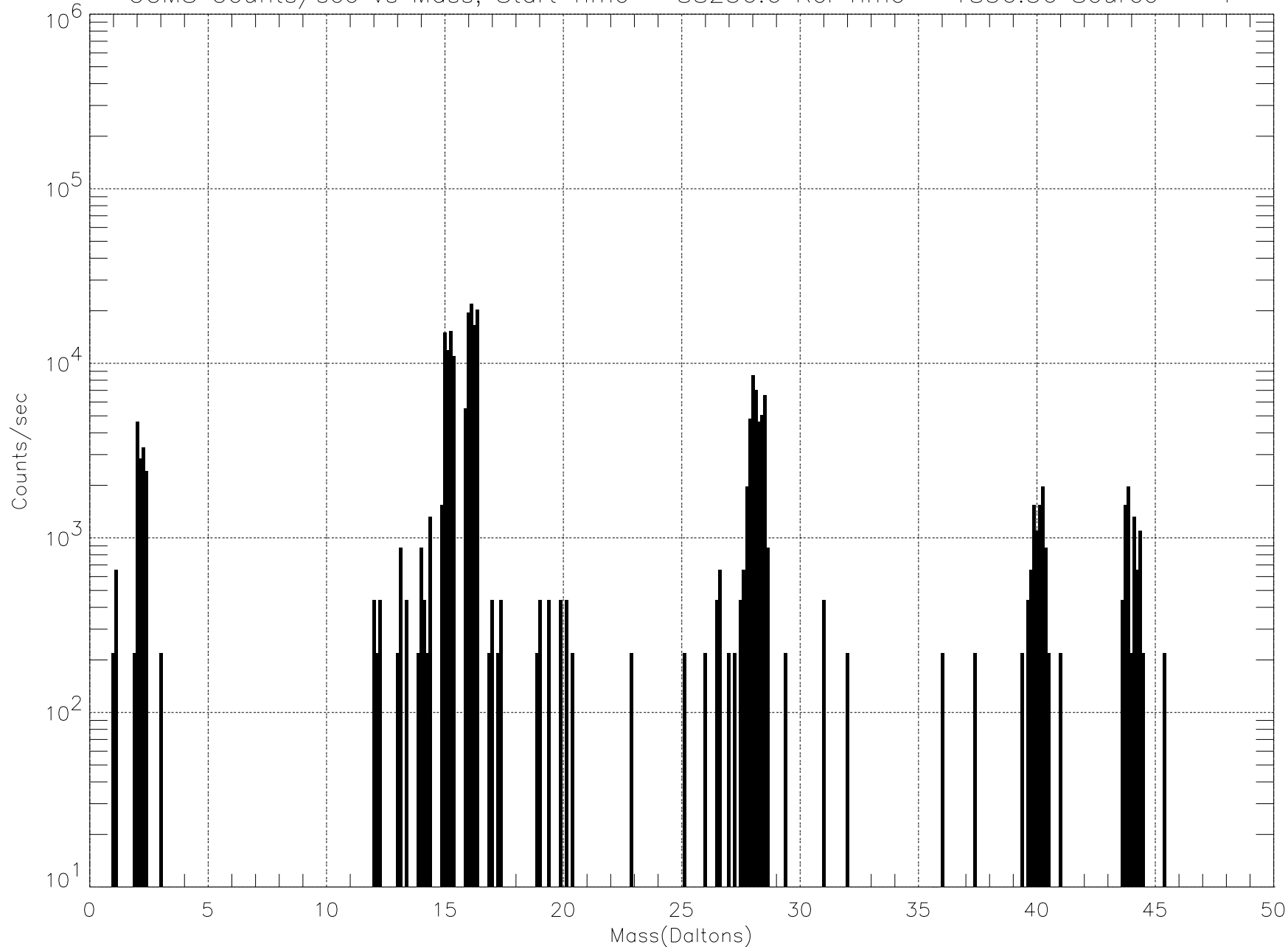
GCMS Counts/sec vs Mass, Start Time = 87947.1 Rel Time = 1547.12 Source = 1



Printed: Wed Apr 14 12:48:20 2004

Path: /home/gcmsqm/gse/rev3.2/data/031209-FU-postEPROM_nopreheat_FC01-be

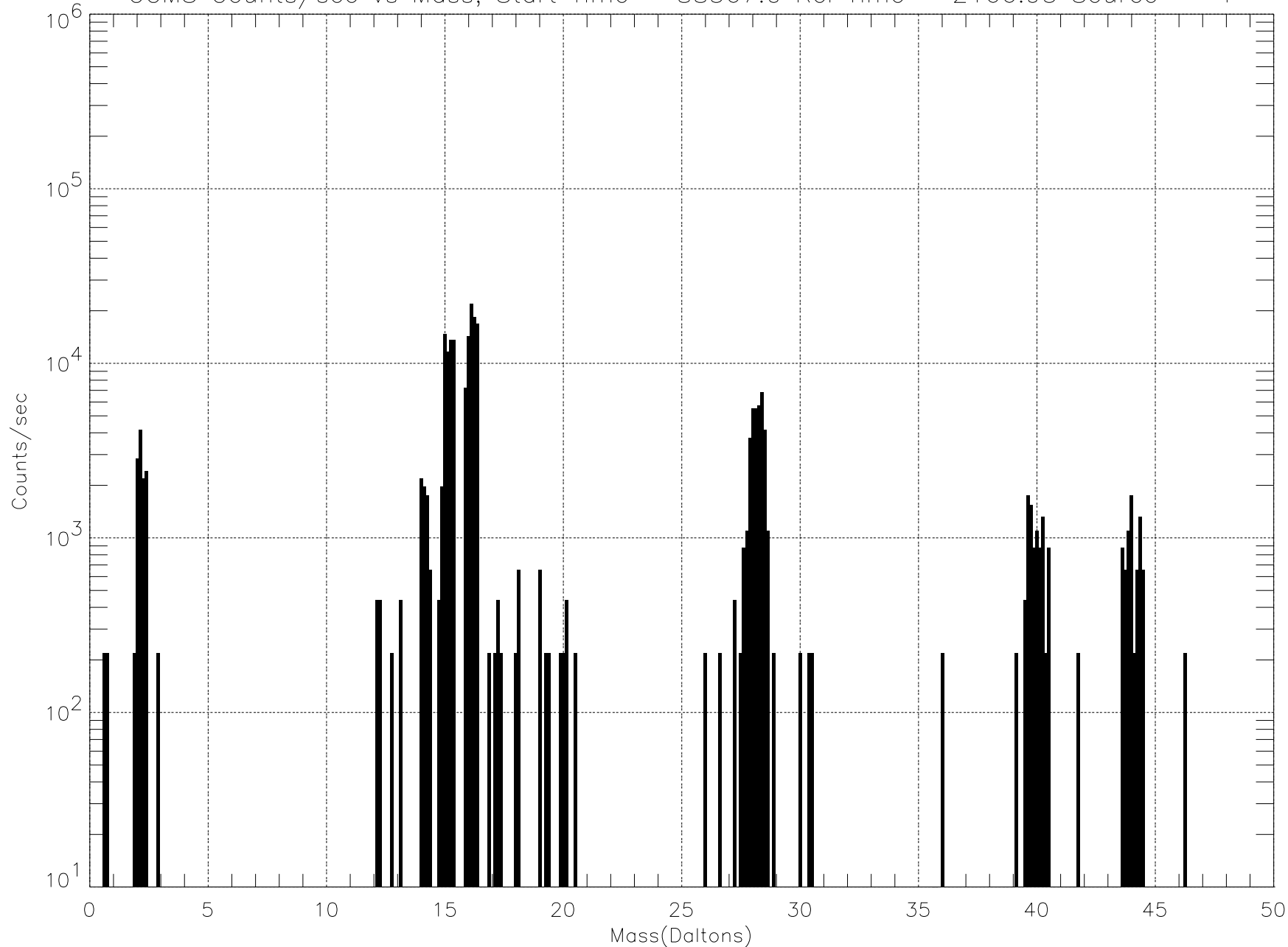
GCMS Counts/sec vs Mass, Start Time = 88256.6 Rel Time = 1856.56 Source = 1



Printed: Wed Apr 14 12:48:20 2004

Path: /home/gcmsqm/gse/rev3.2/data/031209-FU-postEPROM_nopreheat_FC01-be

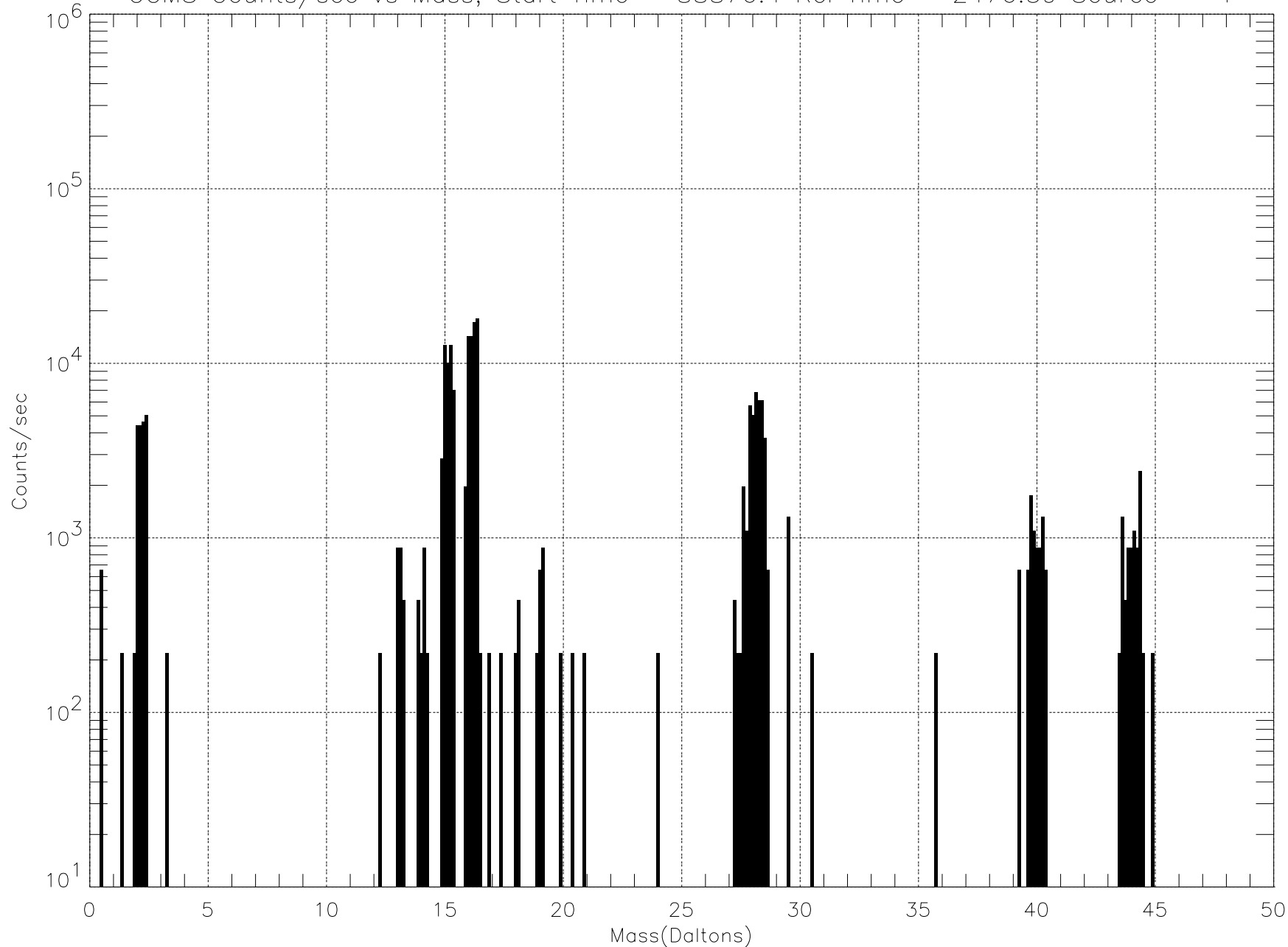
GCMS Counts/sec vs Mass, Start Time = 88567.0 Rel Time = 2166.95 Source = 1



Printed: Wed Apr 14 12:48:20 2004

Path: /home/gcmsqm/gse/rev3.2/data/031209-FU-postEPROM_nopreheat_FC01-be

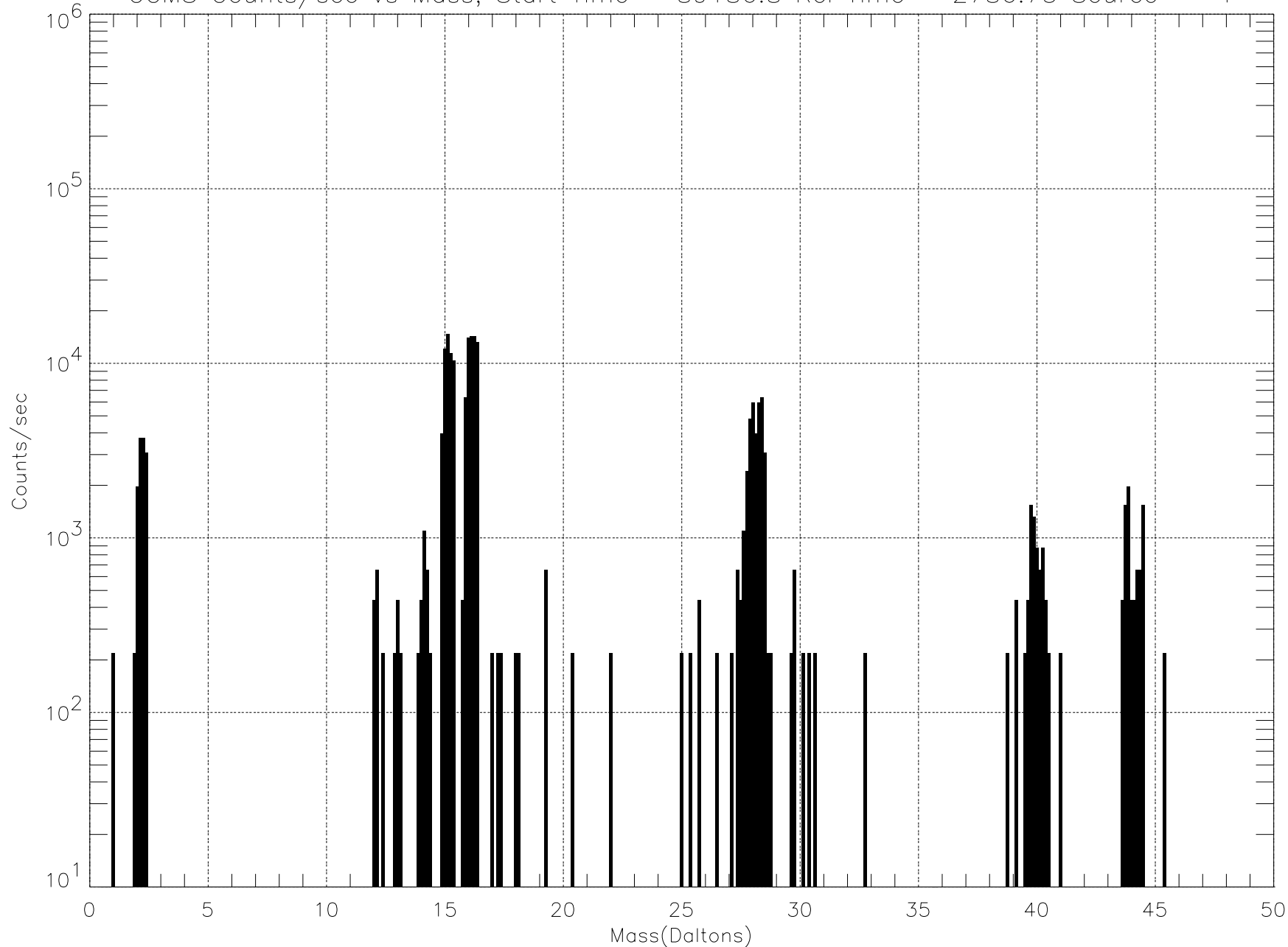
GCMS Counts/sec vs Mass, Start Time = 88876.4 Rel Time = 2476.39 Source = 1



Printed: Wed Apr 14 12:48:20 2004

Path: /home/gcmsqm/gse/rev3.2/data/031209-FU-postEPROM_nopreheat_FC01-be

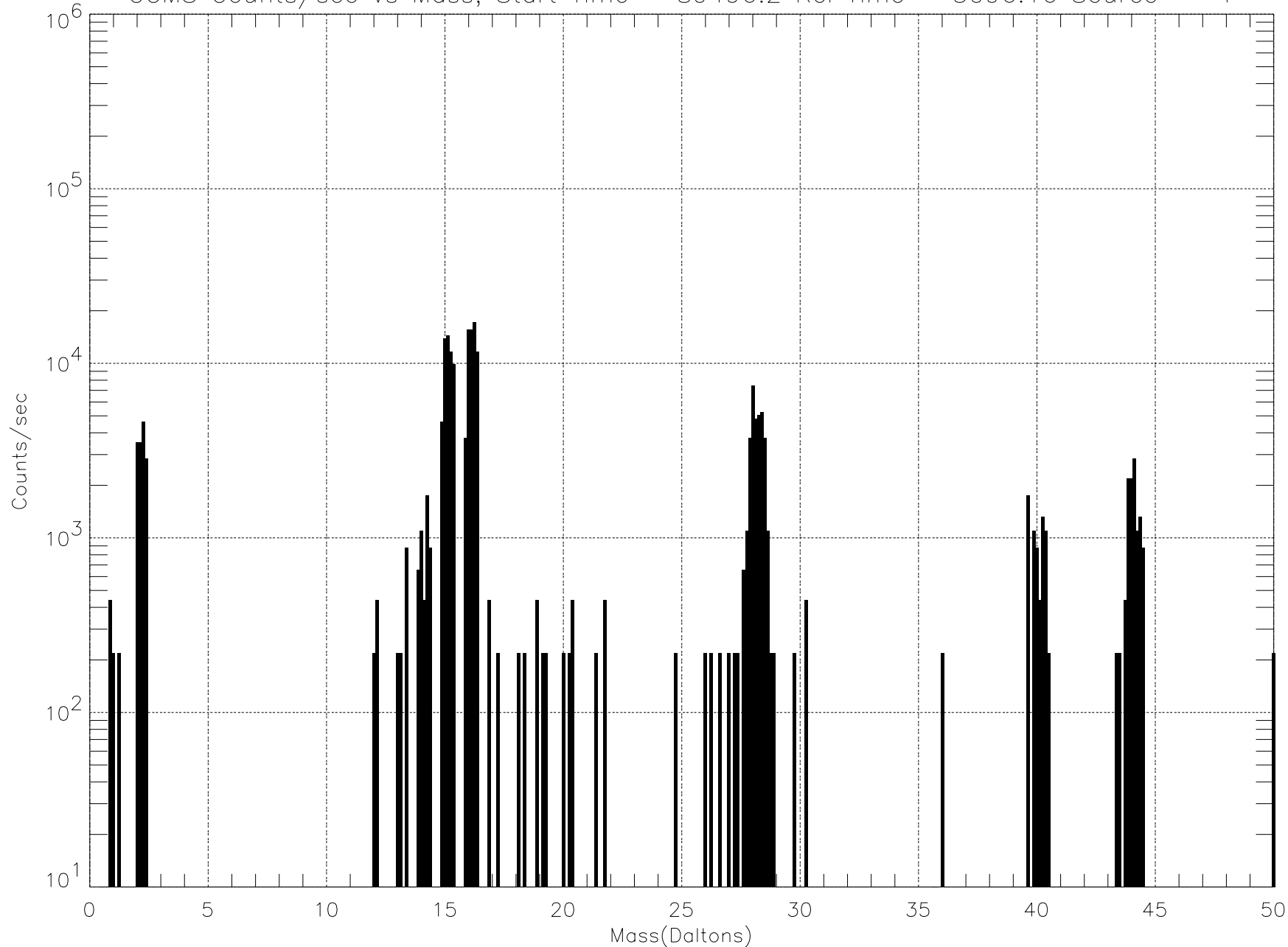
GCMS Counts/sec vs Mass, Start Time = 89186.8 Rel Time = 2786.75 Source = 1



Printed: Wed Apr 14 12:48:20 2004

Path: /home/gcmsqm/gse/rev3.2/data/031209-FU-postEPROM_nopreheat_FC01-be

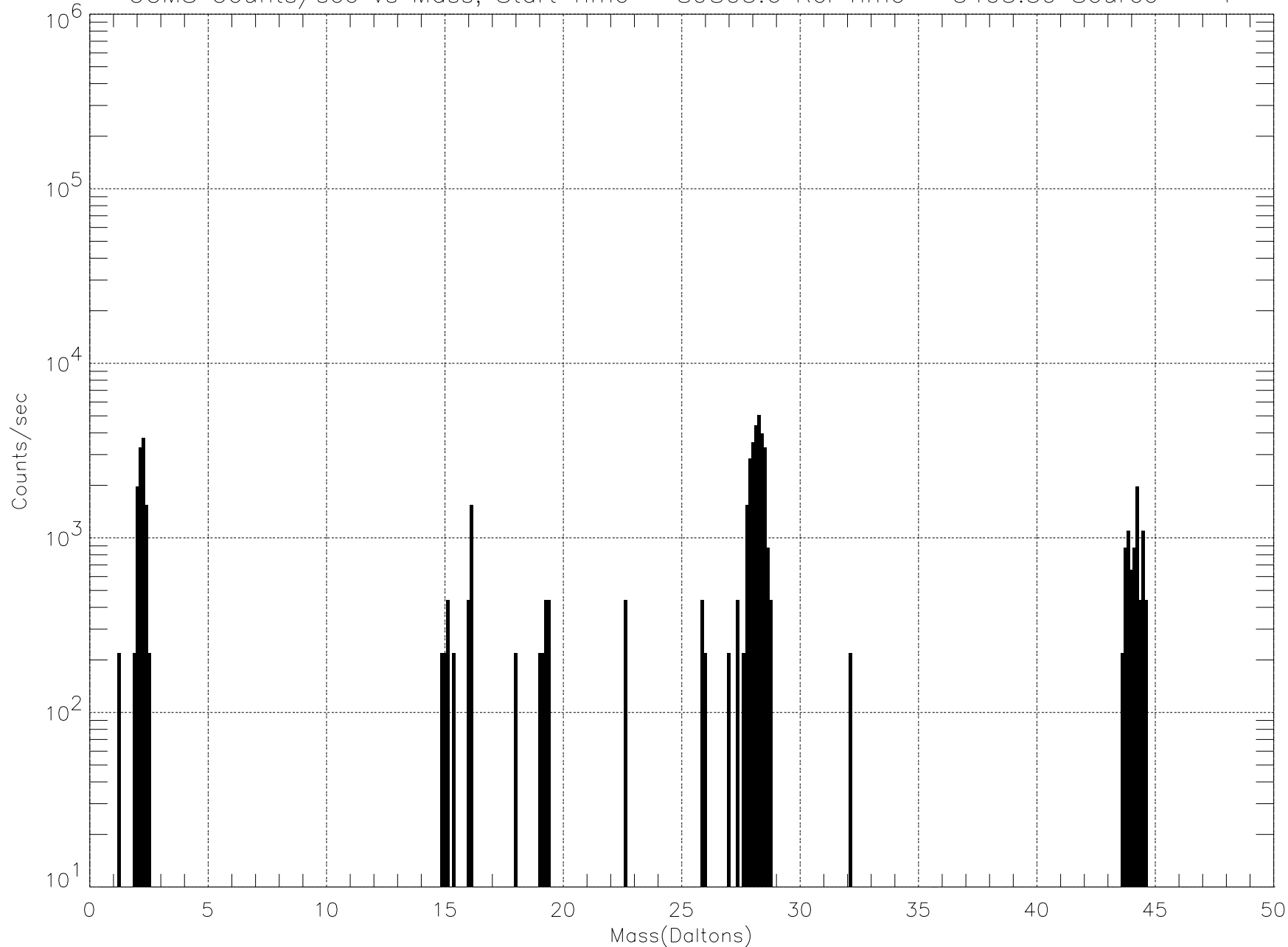
GCMS Counts/sec vs Mass, Start Time = 89496.2 Rel Time = 3096.16 Source = 1



Printed: Wed Apr 14 12:48:20 2004

Path: /home/gcmsqm/gse/rev3.2/data/031209-FU-postEPROM_nopreheat_FC01-be

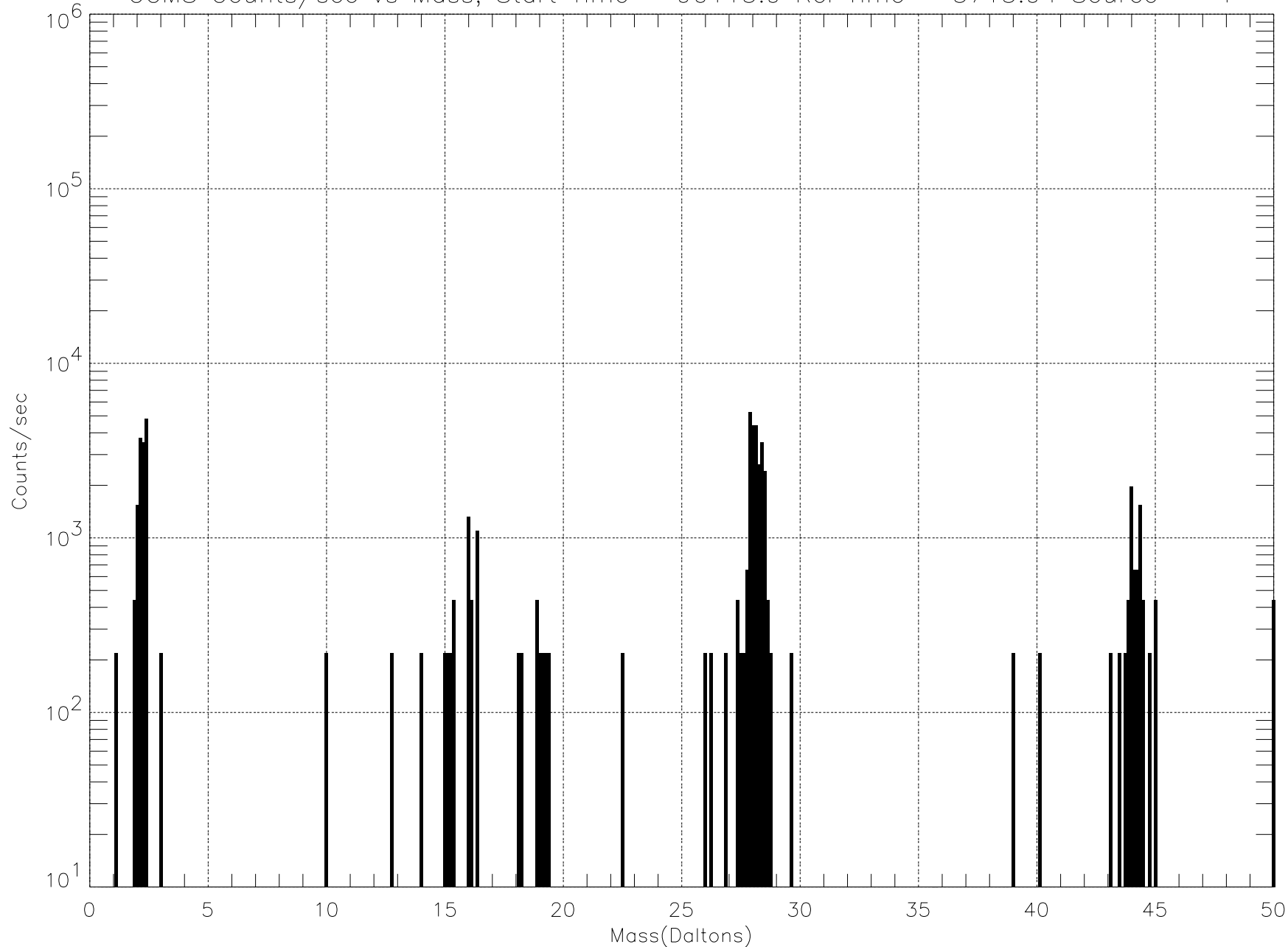
GCMS Counts/sec vs Mass, Start Time = 89805.6 Rel Time = 3405.59 Source = 1



Printed: Wed Apr 14 12:48:20 2004

Path: /home/gcmsqm/gse/rev3.2/data/031209-FU-postEPROM_nopreheat_FC01-be

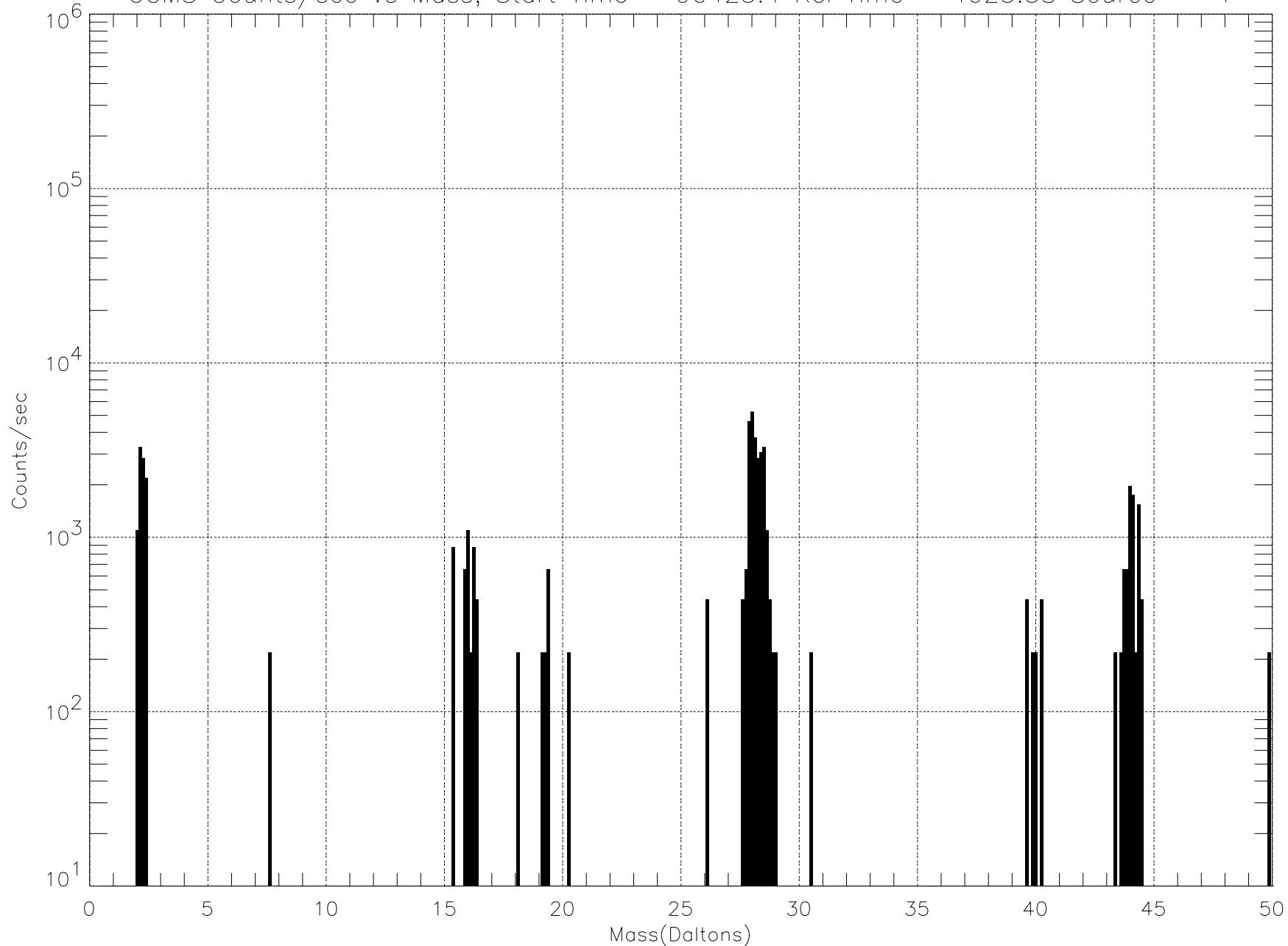
GCMS Counts/sec vs Mass, Start Time = 90115.9 Rel Time = 3715.94 Source = 1



Printed: Wed Apr 14 12:48:20 2004

Path: /home/gcmsqm/gse/rev3.2/data/031209-FU-postEPROM_nopreheat_FC01-be

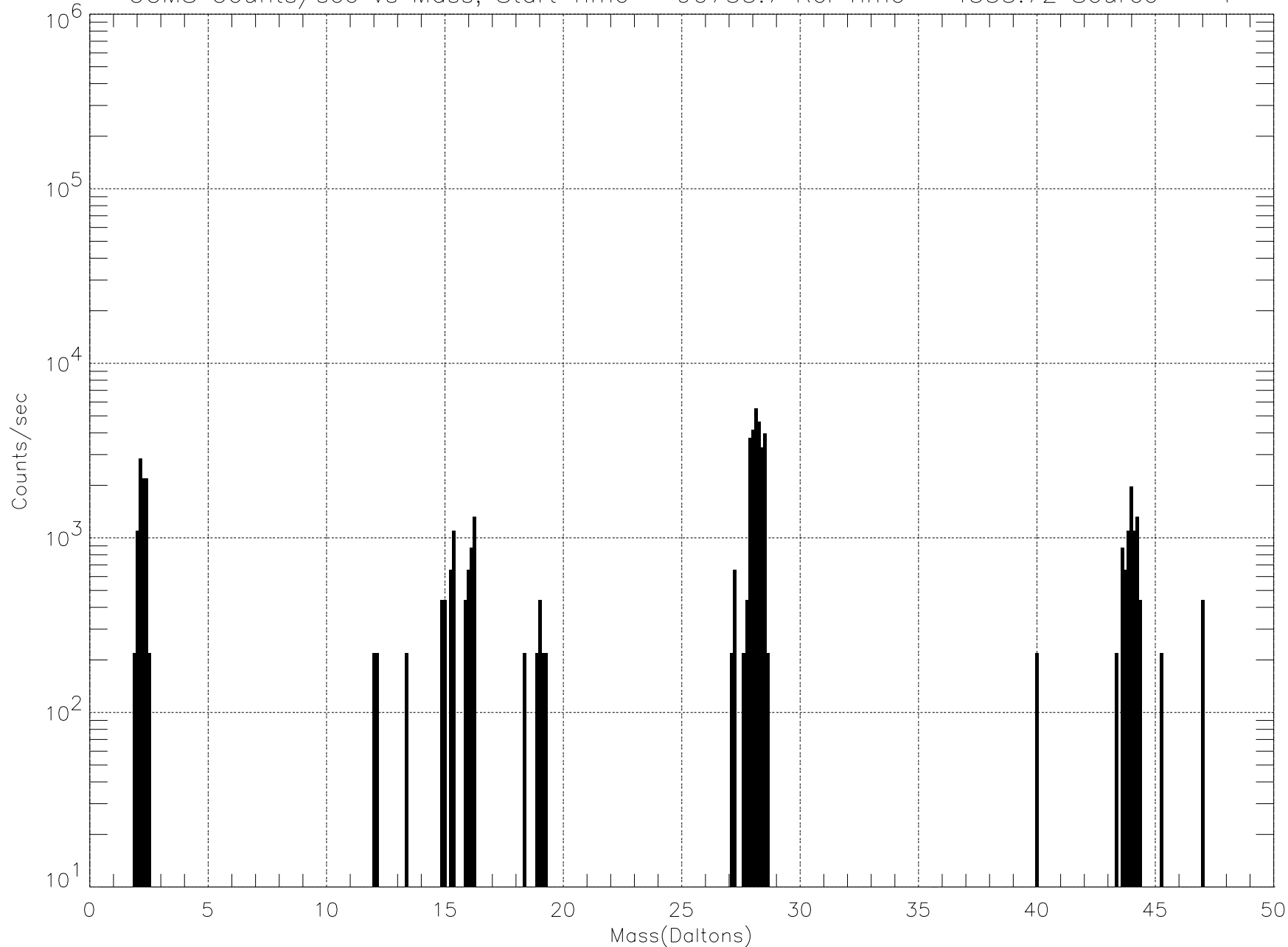
GCMS Counts/sec vs Mass, Start Time = 90425.4 Rel Time = 4025.38 Source = 1



Printed: Wed Apr 14 12:48:20 2004

Path: /home/gcmsqm/gse/rev3.2/data/031209-FU-postEPROM_nopreheat_FC01-be

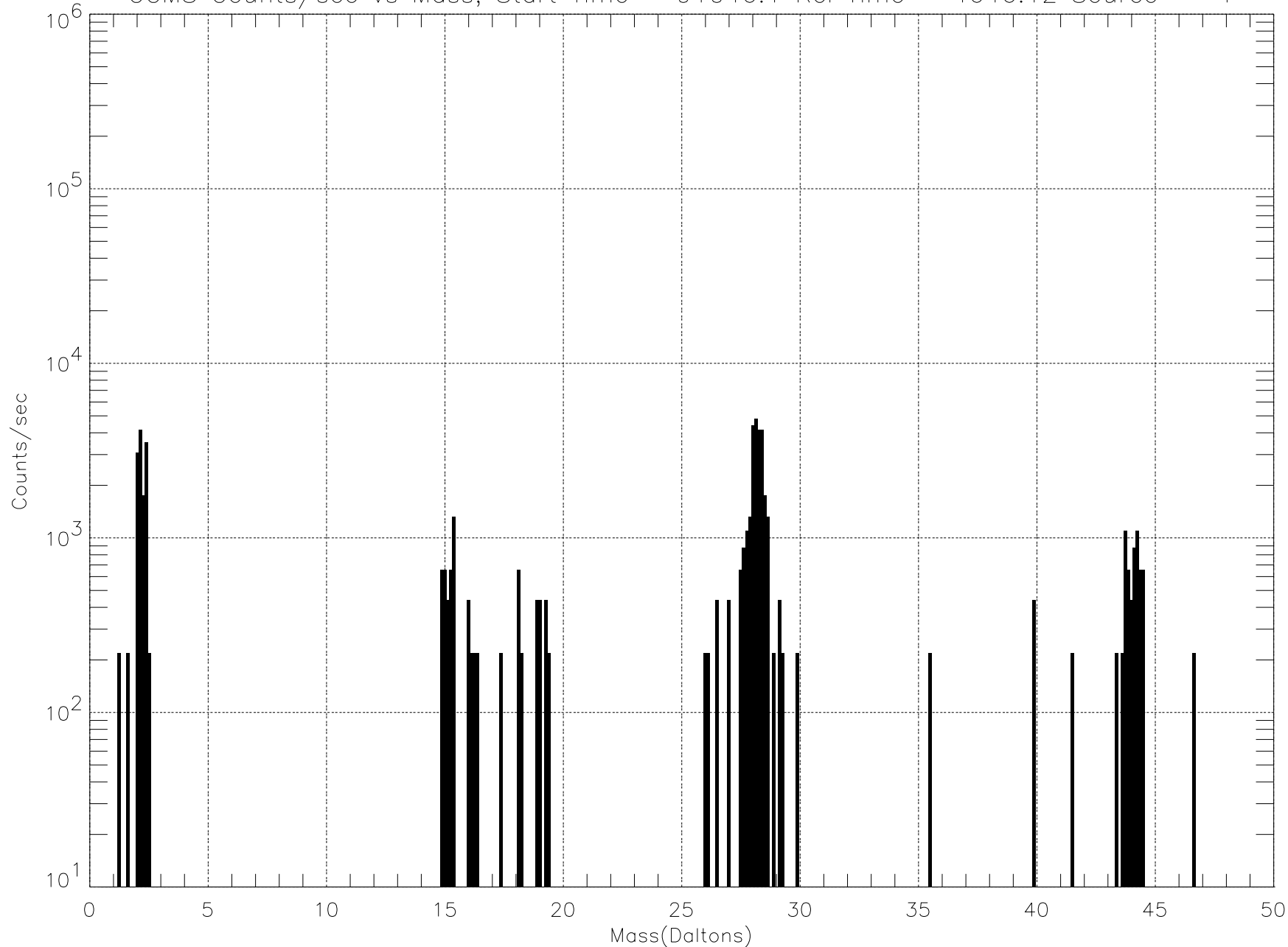
GCMS Counts/sec vs Mass, Start Time = 90735.7 Rel Time = 4335.72 Source = 1



Printed: Wed Apr 14 12:48:20 2004

Path: /home/gcmsqm/gse/rev3.2/data/031209-FU-postEPROM_nopreheat_FC01-be

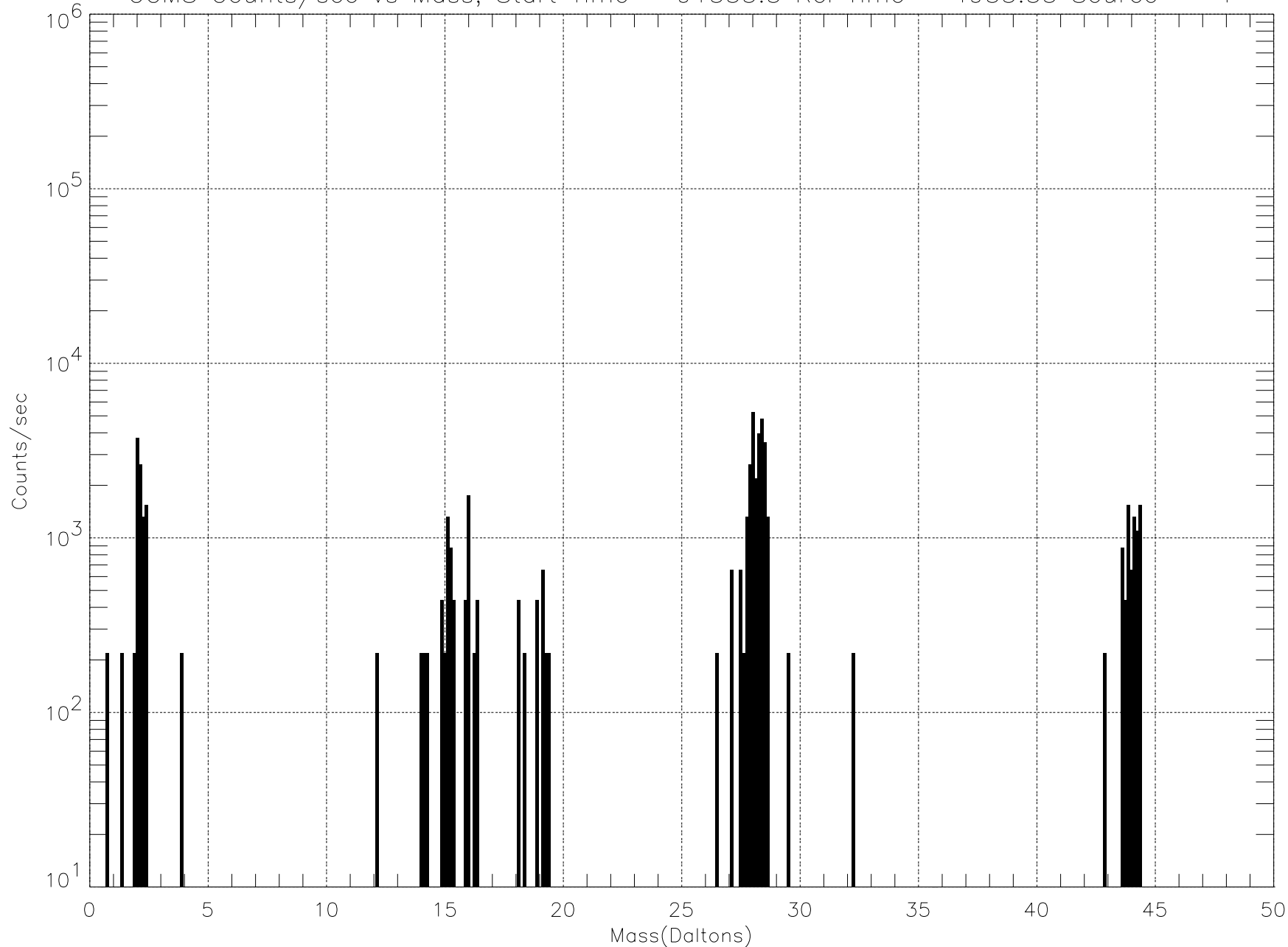
GCMS Counts/sec vs Mass, Start Time = 91046.1 Rel Time = 4646.12 Source = 1



Printed: Wed Apr 14 12:48:20 2004

Path: /home/gcmsqm/gse/rev3.2/data/031209-FU-postEPROM_nopreheat_FC01-be

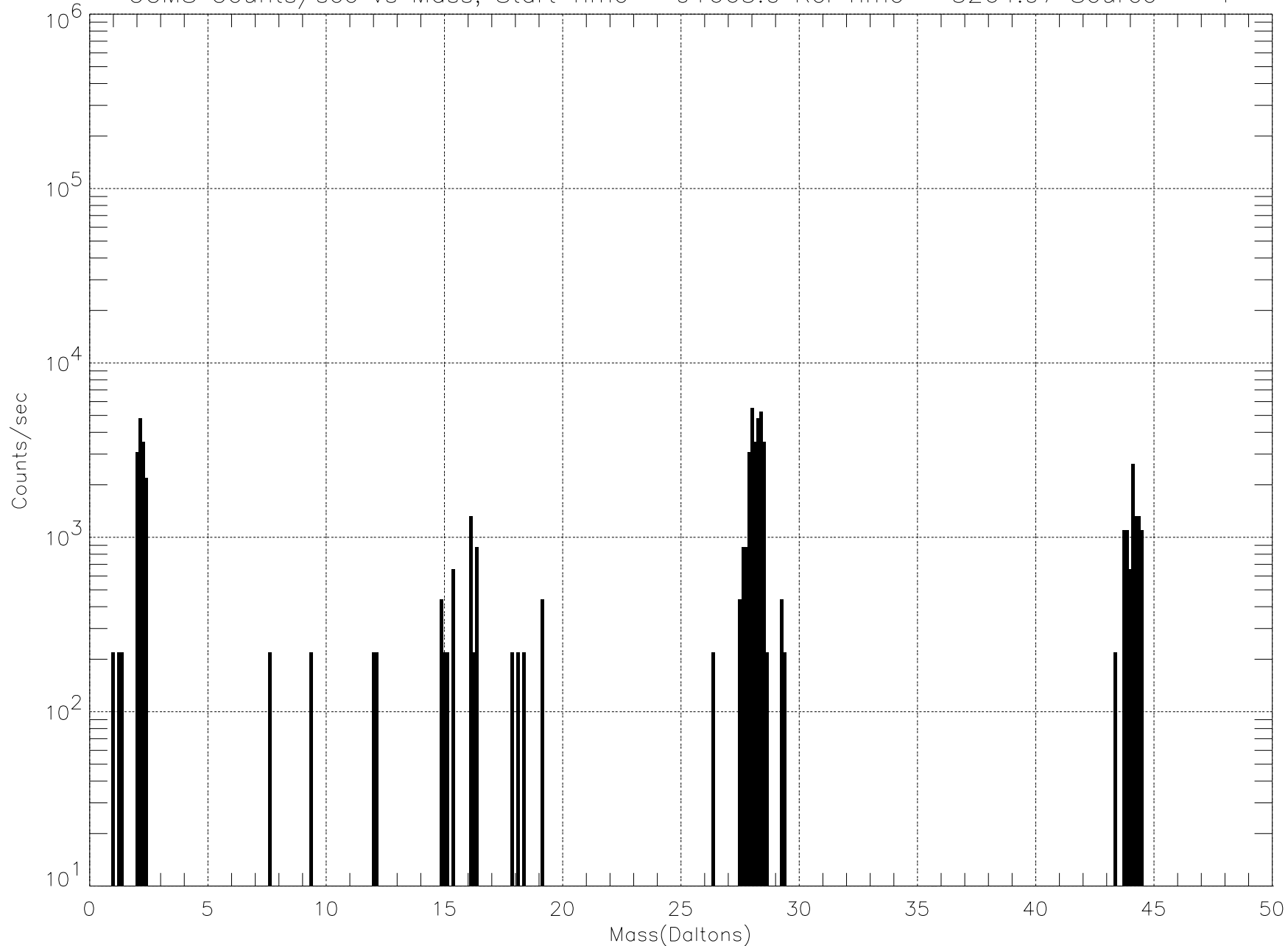
GCMS Counts/sec vs Mass, Start Time = 91355.5 Rel Time = 4955.55 Source = 1



Printed: Wed Apr 14 12:48:20 2004

Path: /home/gcmsqm/gse/rev3.2/data/031209-FU-postEPROM_nopreheat_FC01-be

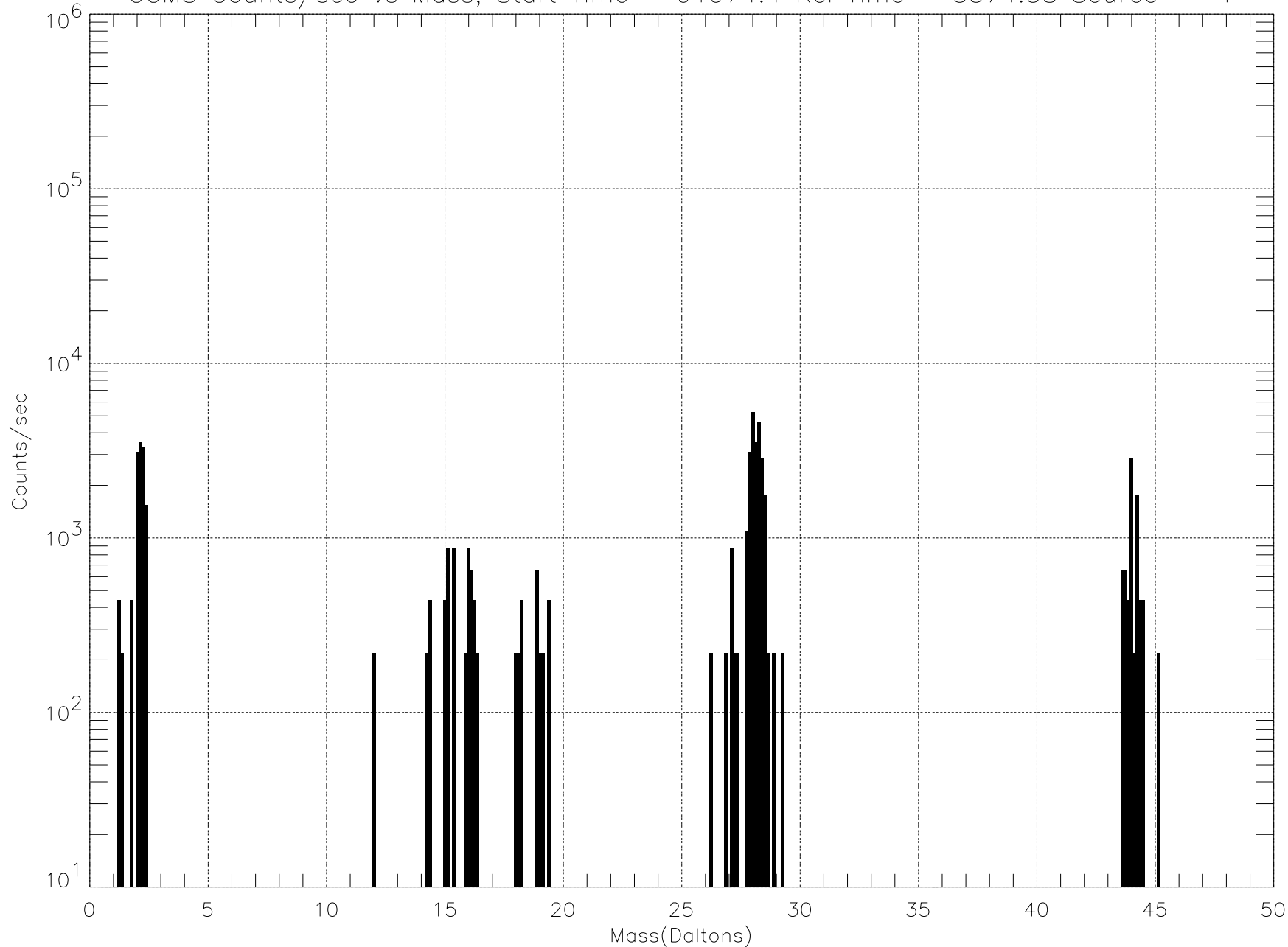
GCMS Counts/sec vs Mass, Start Time = 91665.0 Rel Time = 5264.97 Source = 1



Printed: Wed Apr 14 12:48:20 2004

Path: /home/gcmsqm/gse/rev3.2/data/031209-FU-postEPROM_nopreheat_FC01-be

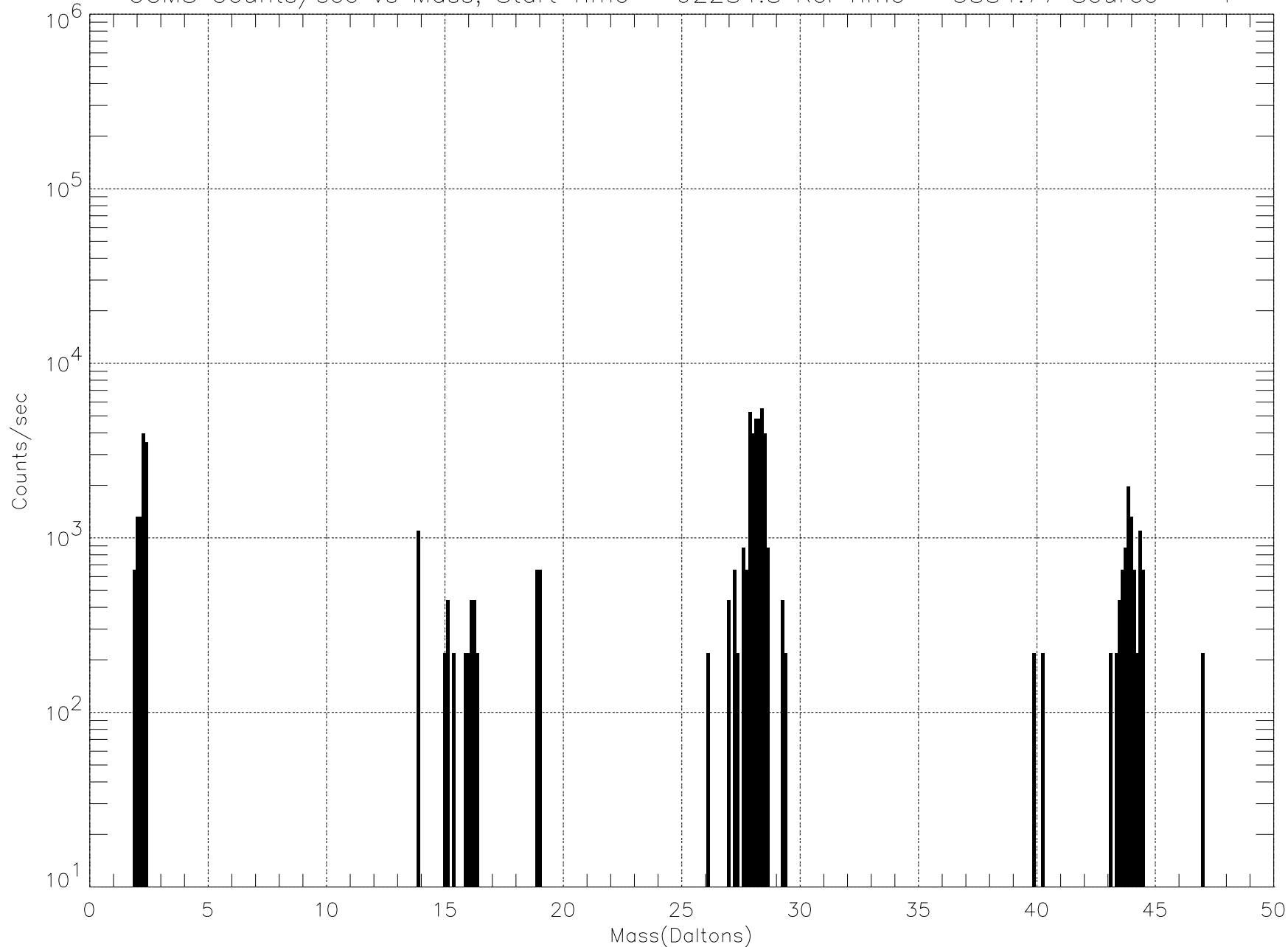
GCMS Counts/sec vs Mass, Start Time = 91974.4 Rel Time = 5574.38 Source = 1



Printed: Wed Apr 14 12:48:20 2004

Path: /home/gcmsqm/gse/rev3.2/data/031209-FU-postEPROM_nopreheat_FC01-be

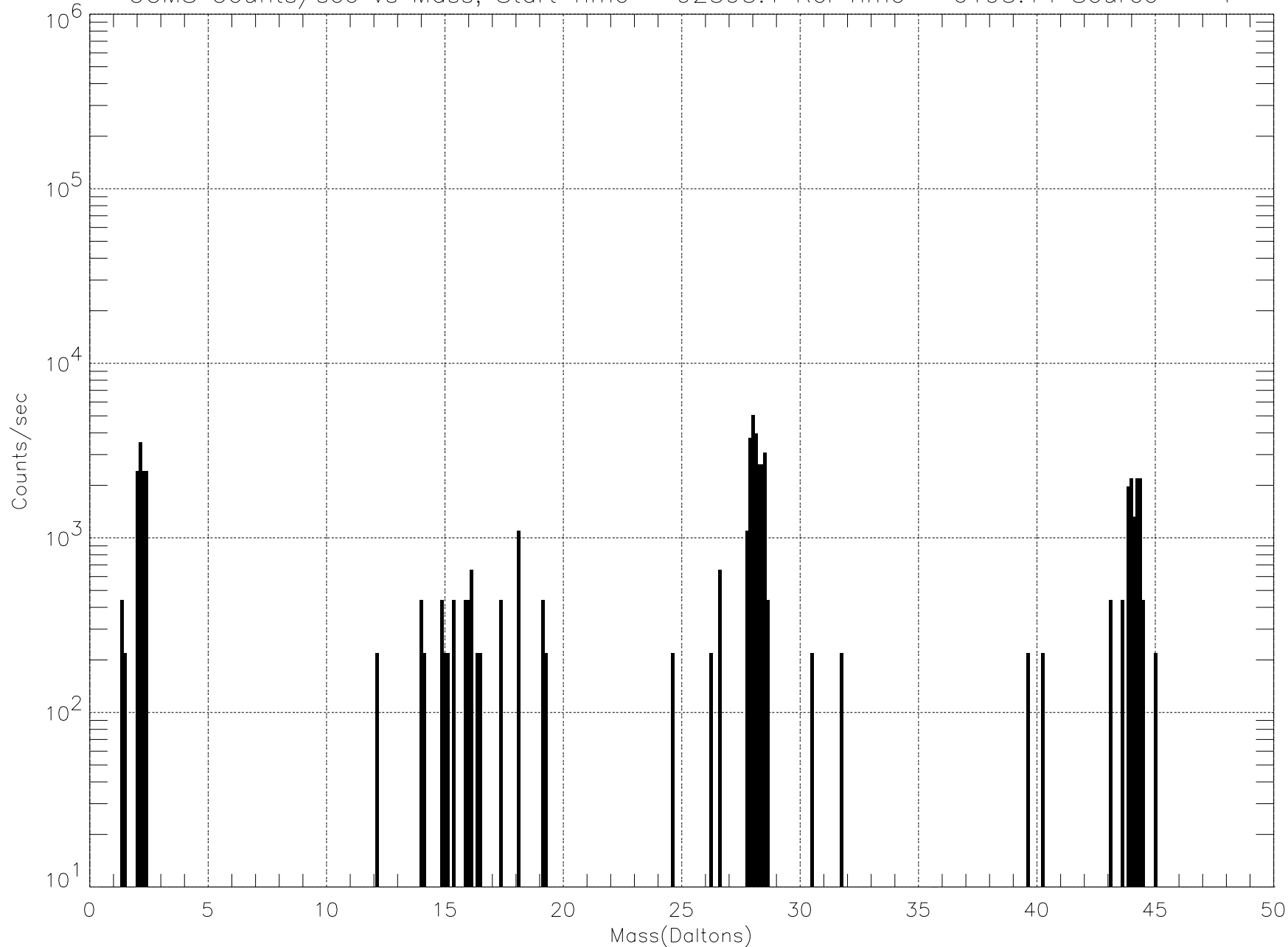
GCMS Counts/sec vs Mass, Start Time = 92284.8 Rel Time = 5884.77 Source = 1



Printed: Wed Apr 14 12:48:20 2004

Path: /home/gcmsqm/gse/rev3.2/data/031209-FU-postEPROM_nopreheat_FC01-be

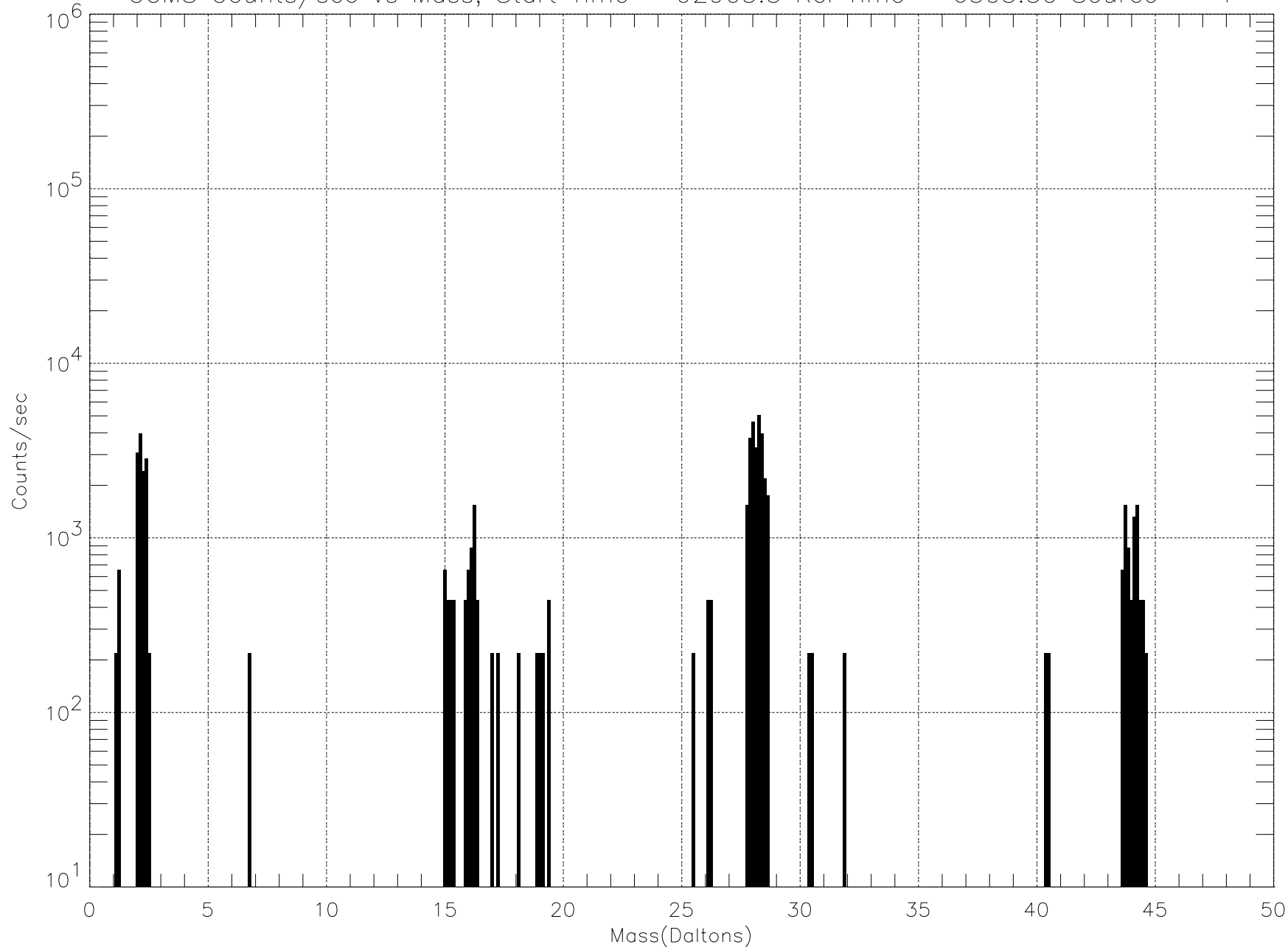
GCMS Counts/sec vs Mass, Start Time = 92595.1 Rel Time = 6195.14 Source = 1



Printed: Wed Apr 14 12:48:20 2004

Path: /home/gcmsqm/gse/rev3.2/data/031209-FU-postEPROM_nopreheat_FC01-be

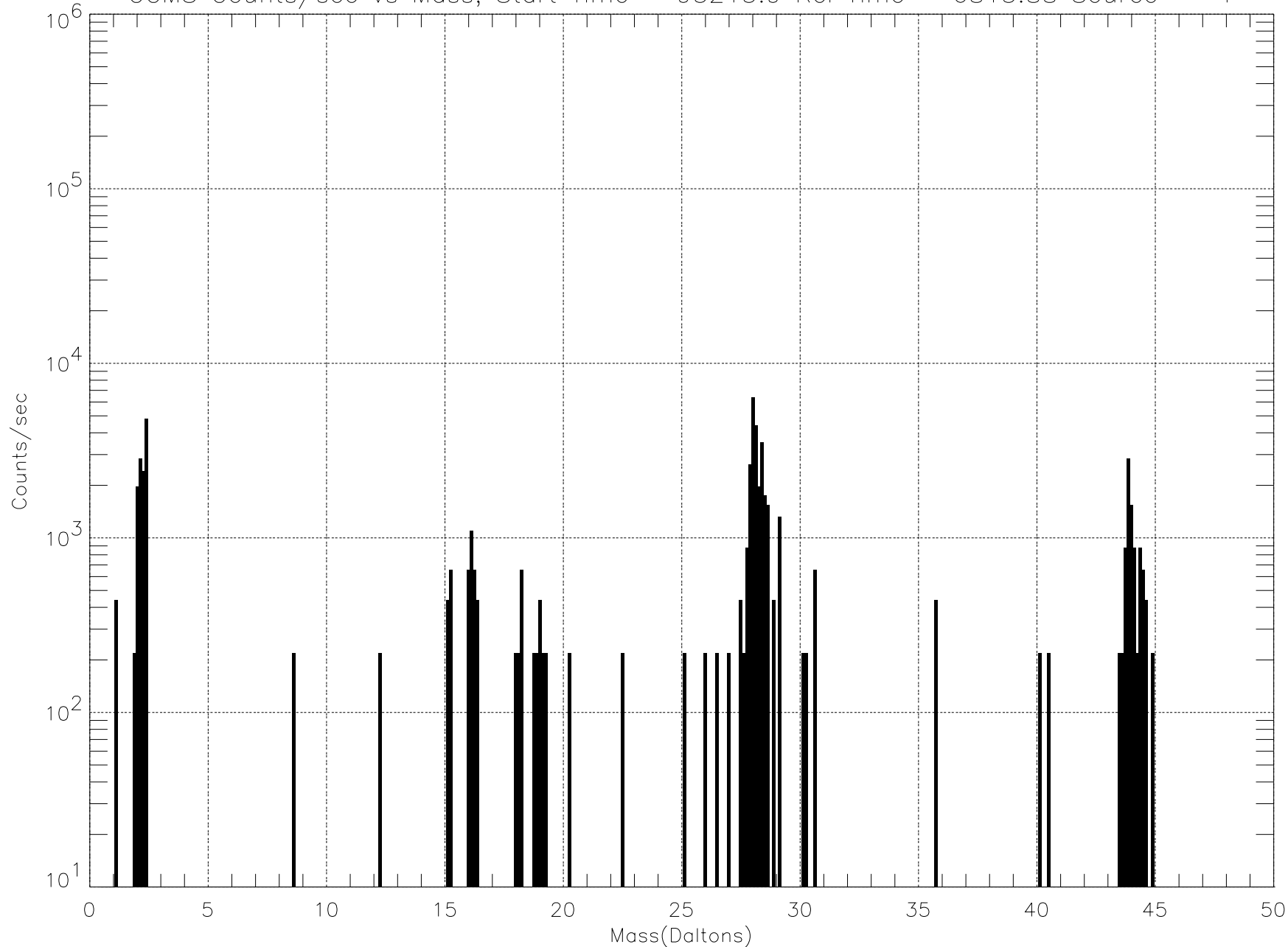
GCMS Counts/sec vs Mass, Start Time = 92905.5 Rel Time = 6505.50 Source = 1



Printed: Wed Apr 14 12:48:20 2004

Path: /home/gcmsqm/gse/rev3.2/data/031209-FU-postEPROM_nopreheat_FC01-be

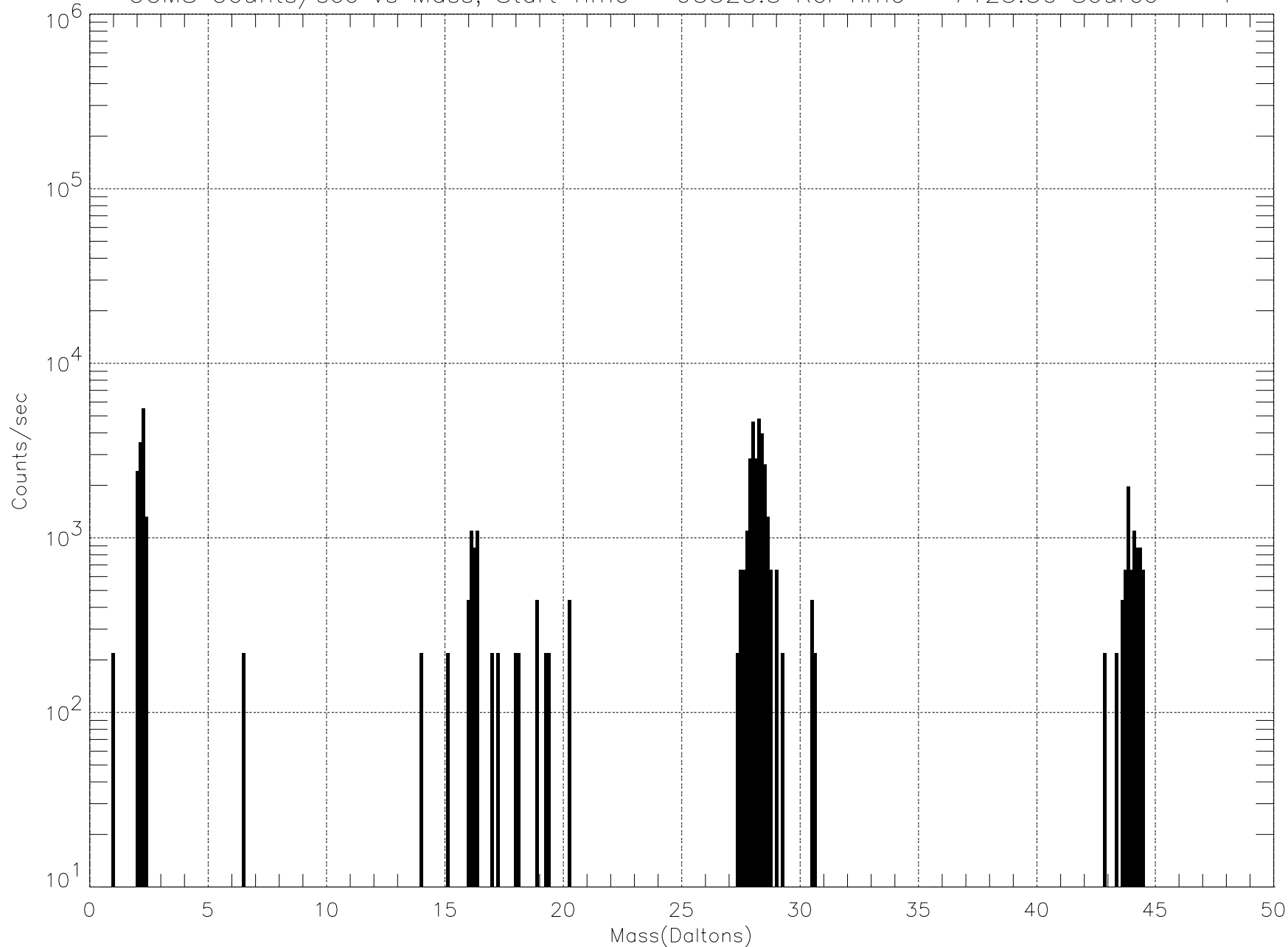
GCMS Counts/sec vs Mass, Start Time = 93215.9 Rel Time = 6815.88 Source = 1



Printed: Wed Apr 14 12:48:20 2004

Path: /home/gcmsqm/gse/rev3.2/data/031209-FU-postEPROM_nopreheat_FC01-be

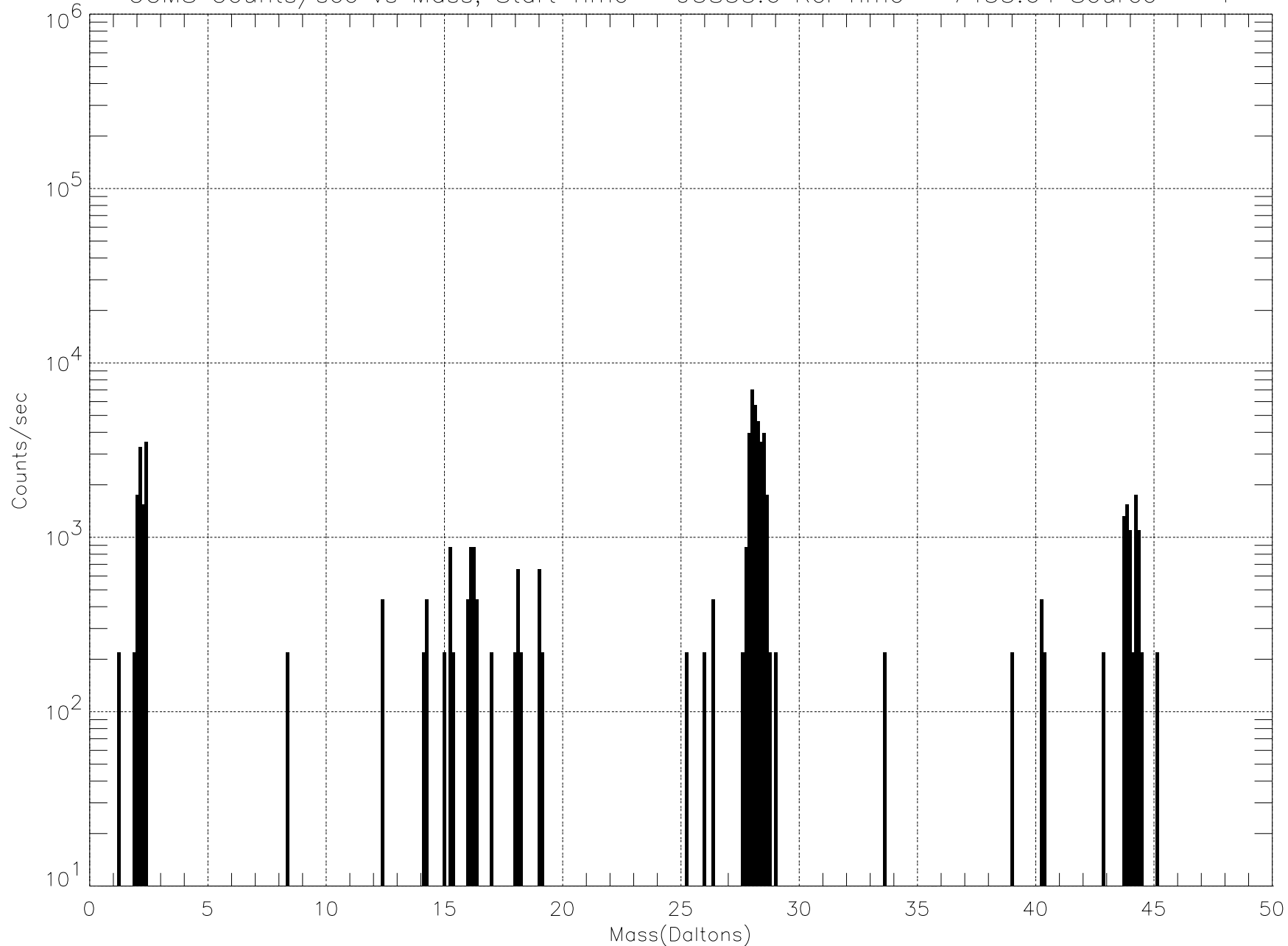
GCMS Counts/sec vs Mass, Start Time = 93525.3 Rel Time = 7125.30 Source = 1



Printed: Wed Apr 14 12:48:20 2004

Path: /home/gcmsqm/gse/rev3.2/data/031209-FU-postEPROM_nopreheat_FC01-be

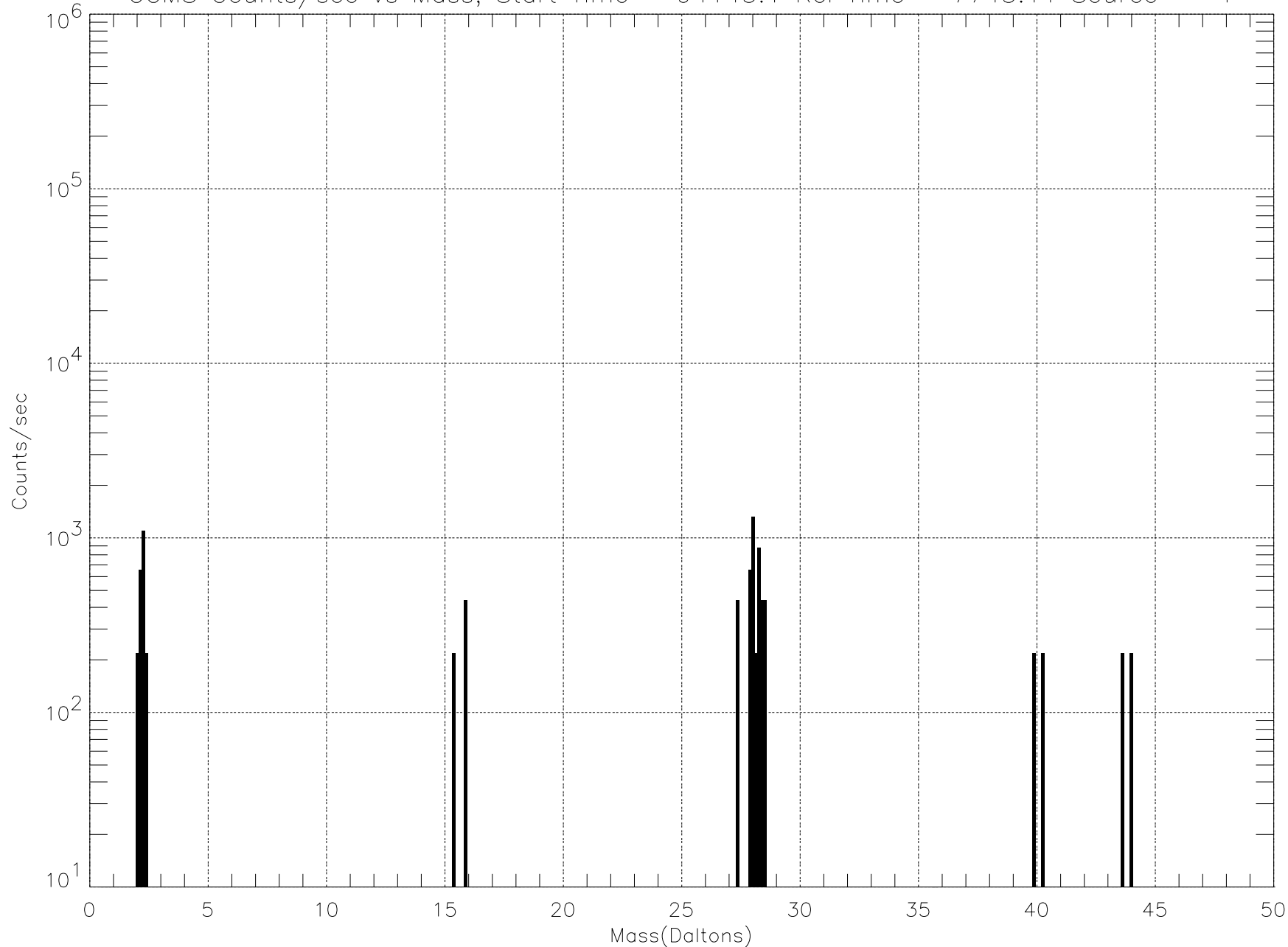
GCMS Counts/sec vs Mass, Start Time = 93835.6 Rel Time = 7435.64 Source = 1



Printed: Wed Apr 14 12:48:20 2004

Path: /home/gcmsqm/gse/rev3.2/data/031209-FU-postEPROM_nopreheat_FC01-be

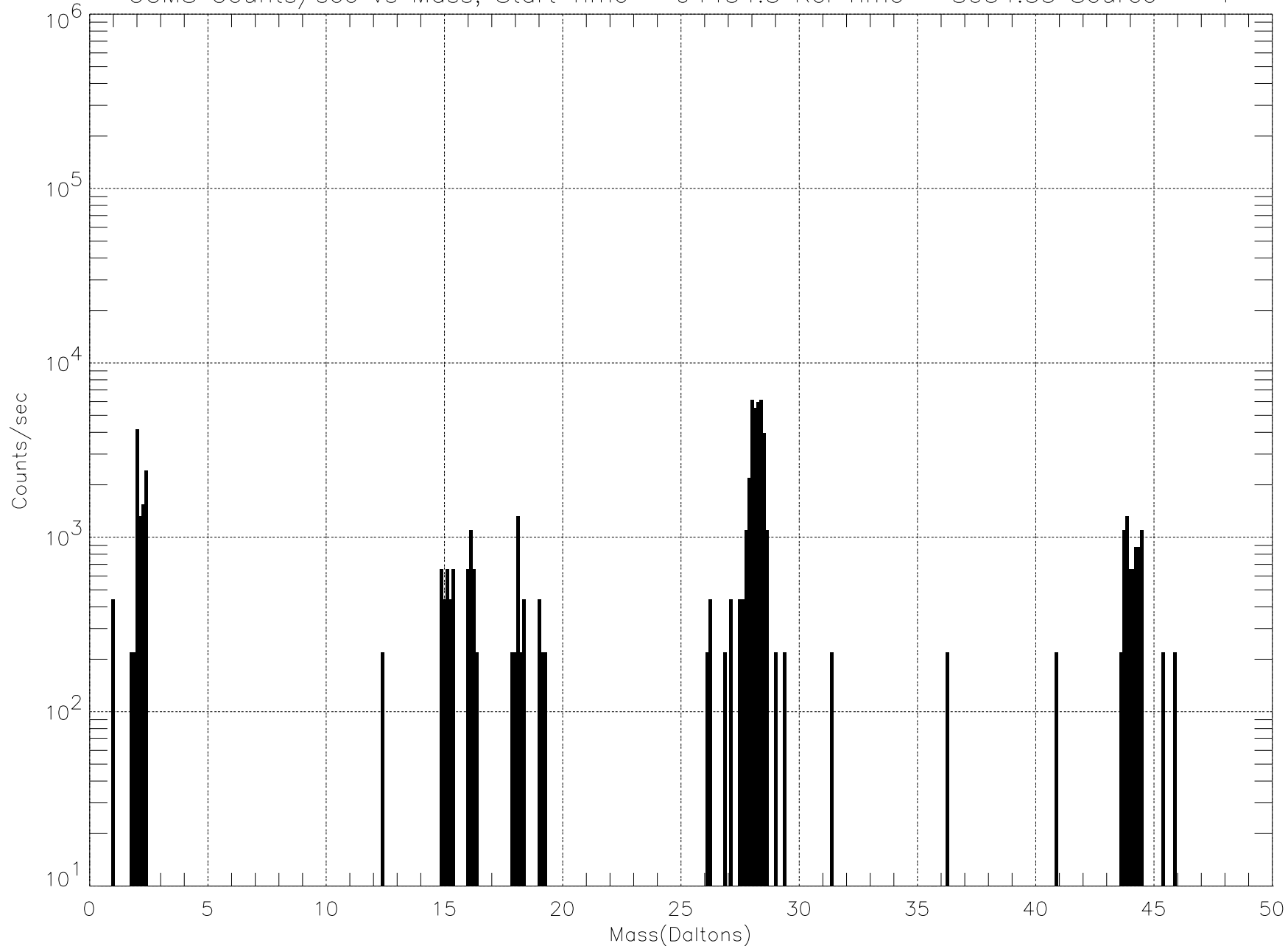
GCMS Counts/sec vs Mass, Start Time = 94145.1 Rel Time = 7745.11 Source = 1



Printed: Wed Apr 14 12:48:20 2004

Path: /home/gcmsqm/gse/rev3.2/data/031209-FU-postEPROM_nopreheat_FC01-be

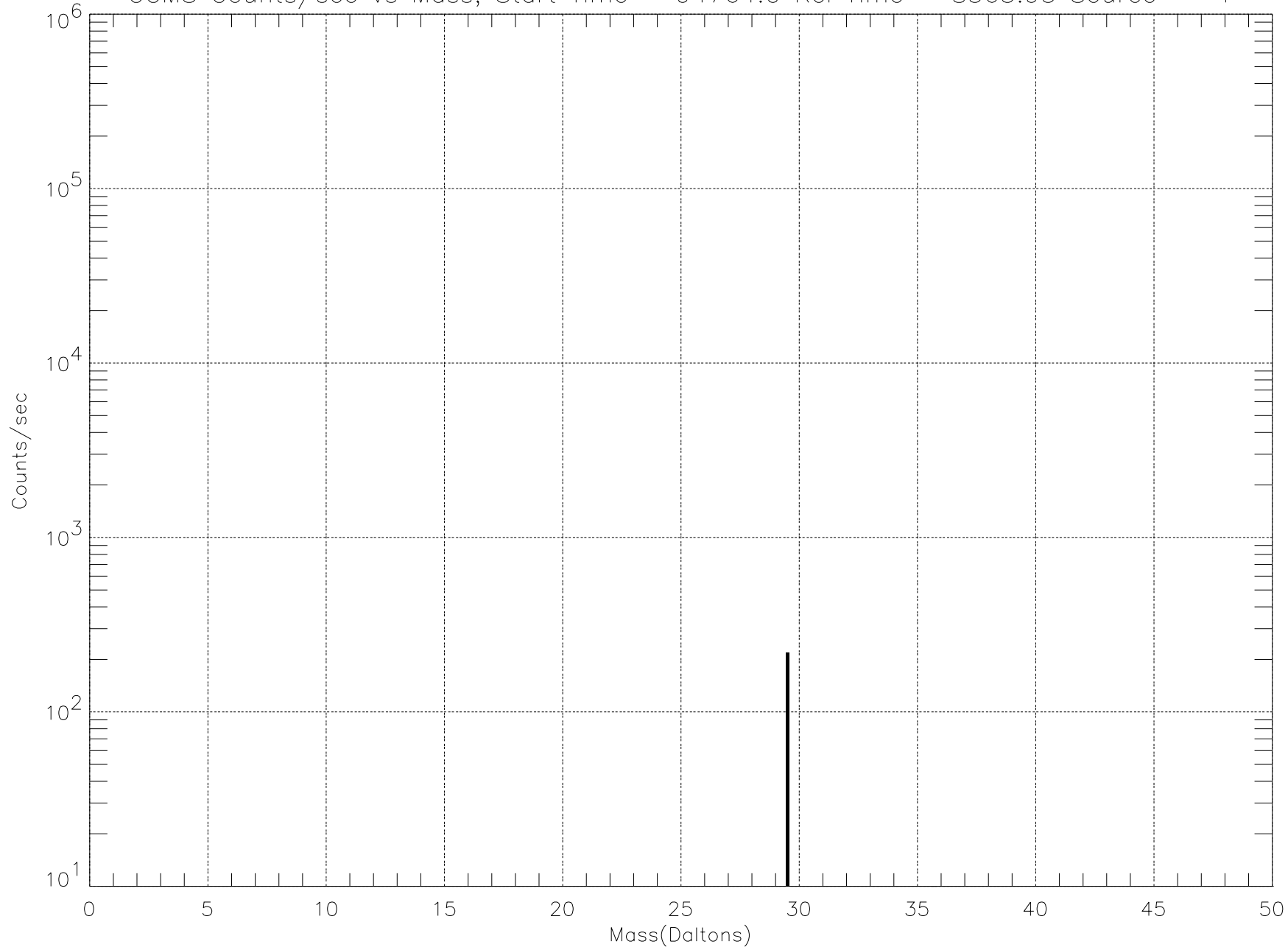
GCMS Counts/sec vs Mass, Start Time = 94454.5 Rel Time = 8054.53 Source = 1



Printed: Wed Apr 14 12:48:20 2004

Path: /home/gcmsqm/gse/rev3.2/data/031209-FU-postEPROM_nopreheat_FC01-be

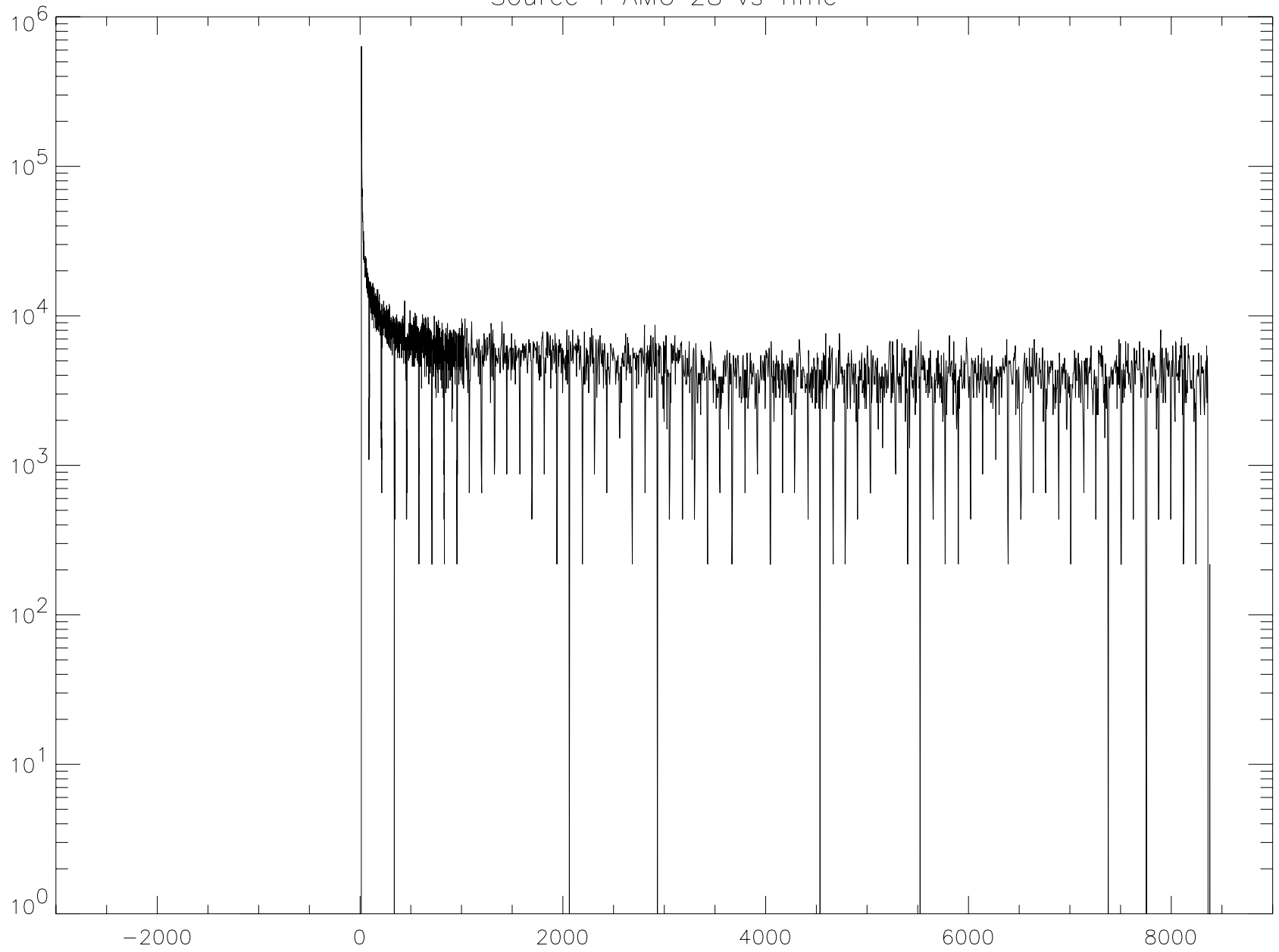
GCMS Counts/sec vs Mass, Start Time = 94764.0 Rel Time = 8363.95 Source = 1

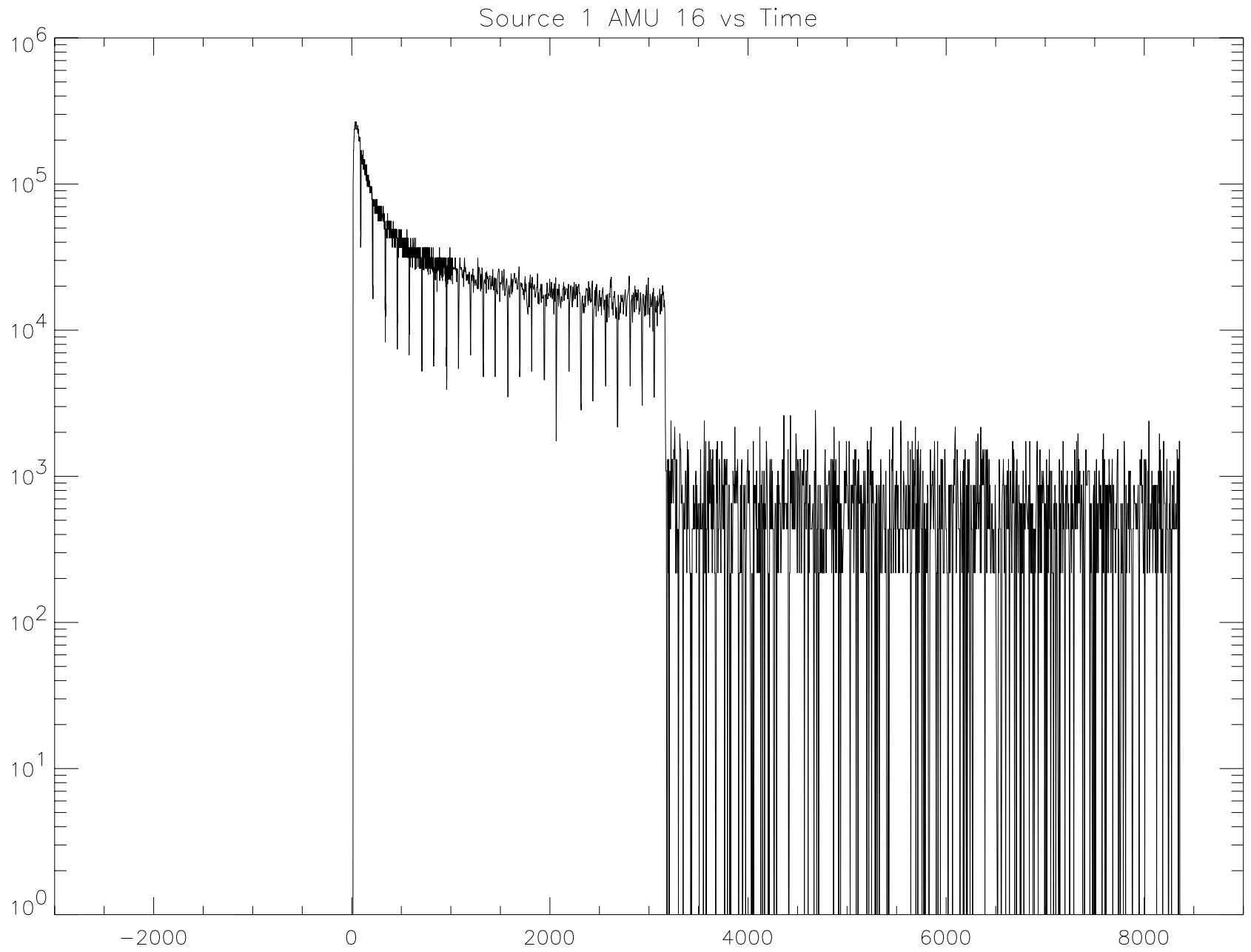


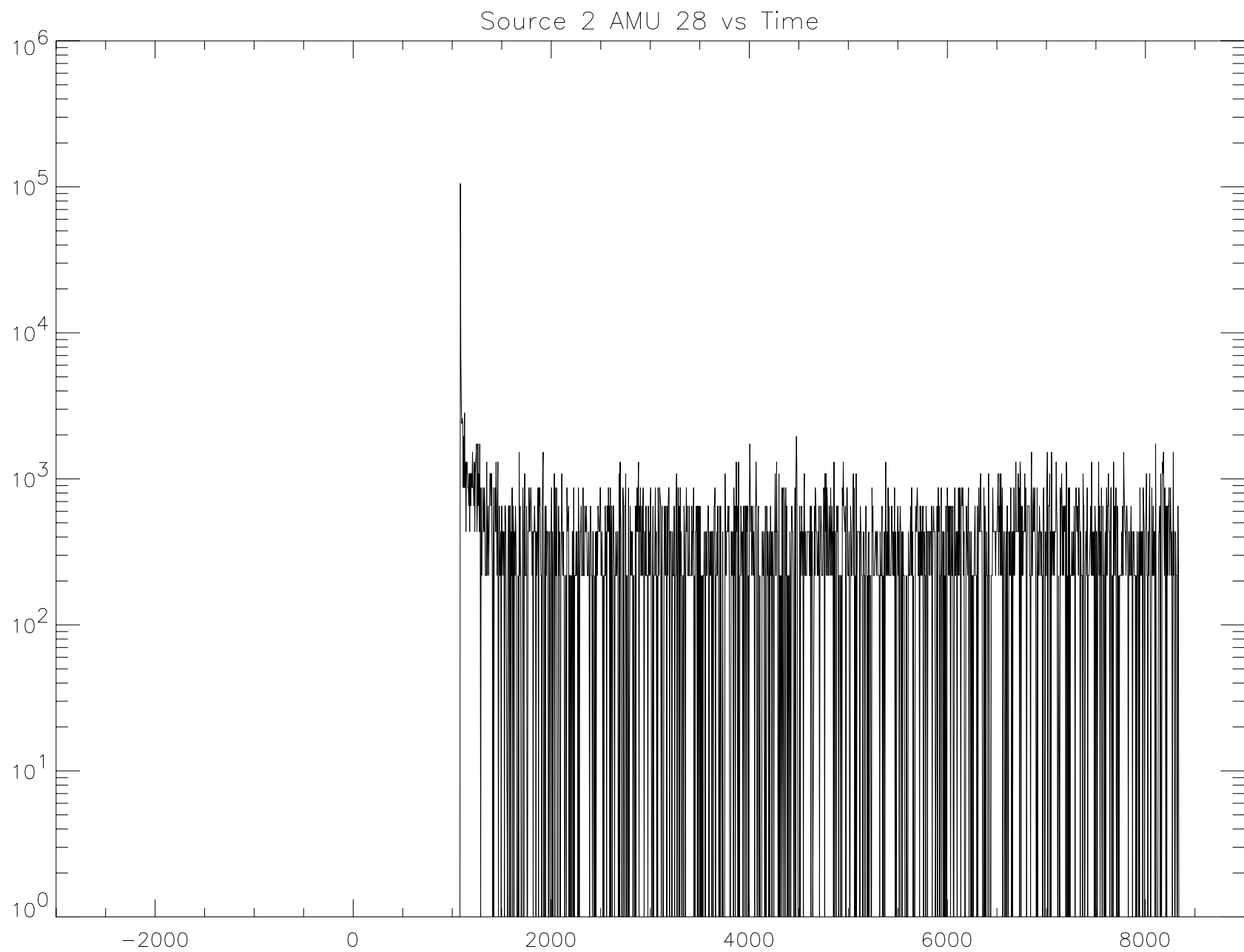
Printed: Wed Apr 14 12:48:20 2004

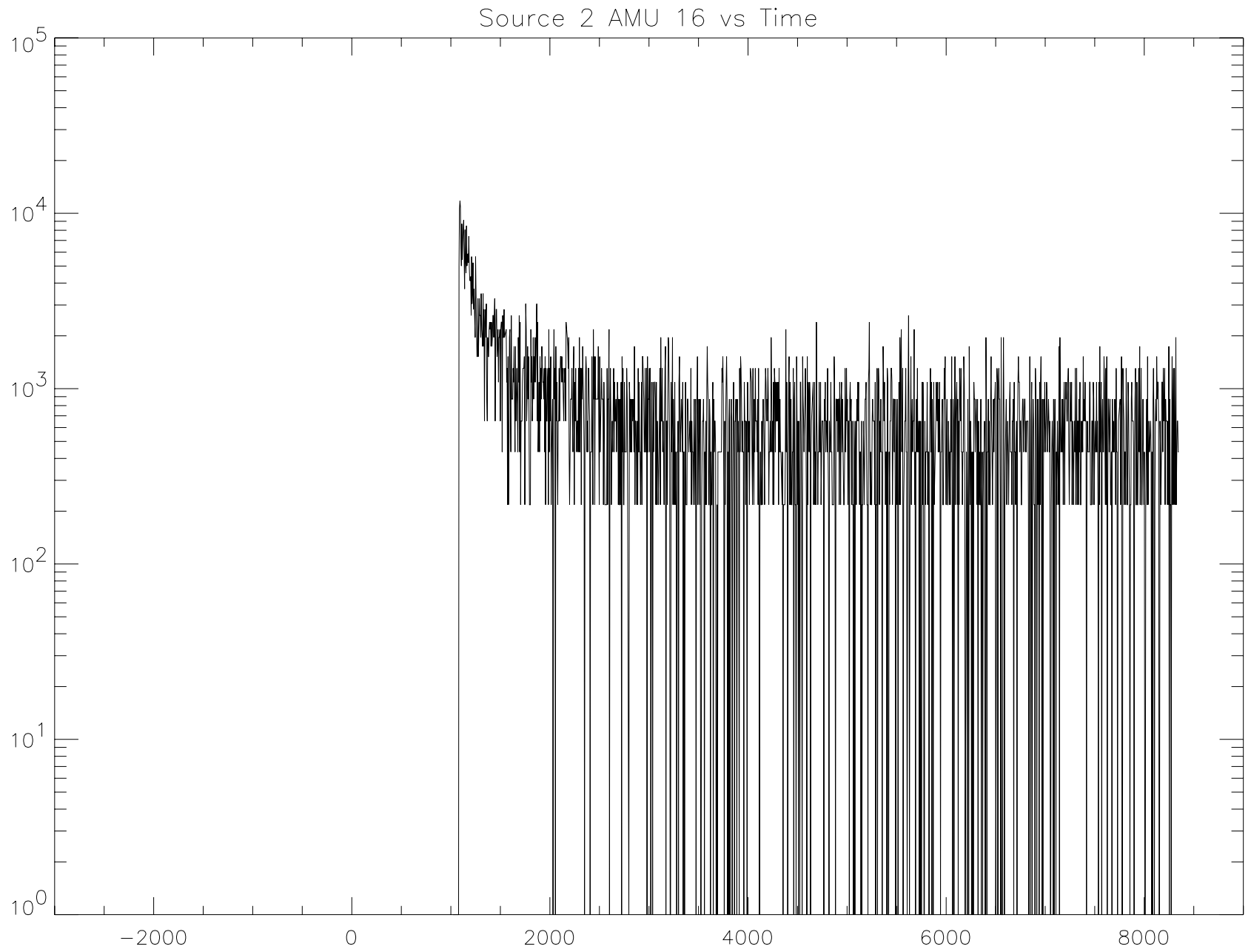
Path: /home/gcmsqm/gse/rev3.2/data/031209-FU-postEPROM_nopreheat_FC01-be

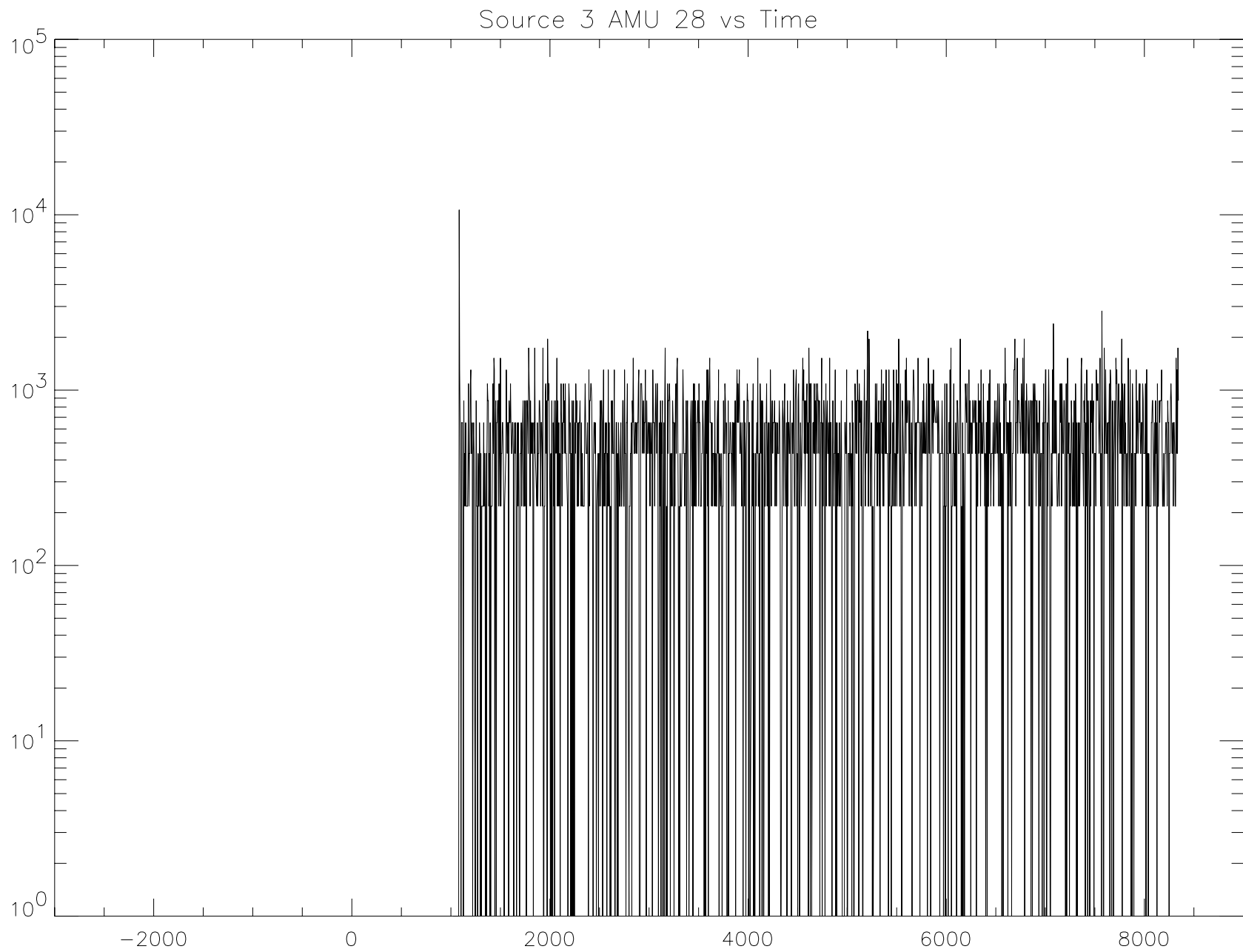
Source 1 AMU 28 vs Time







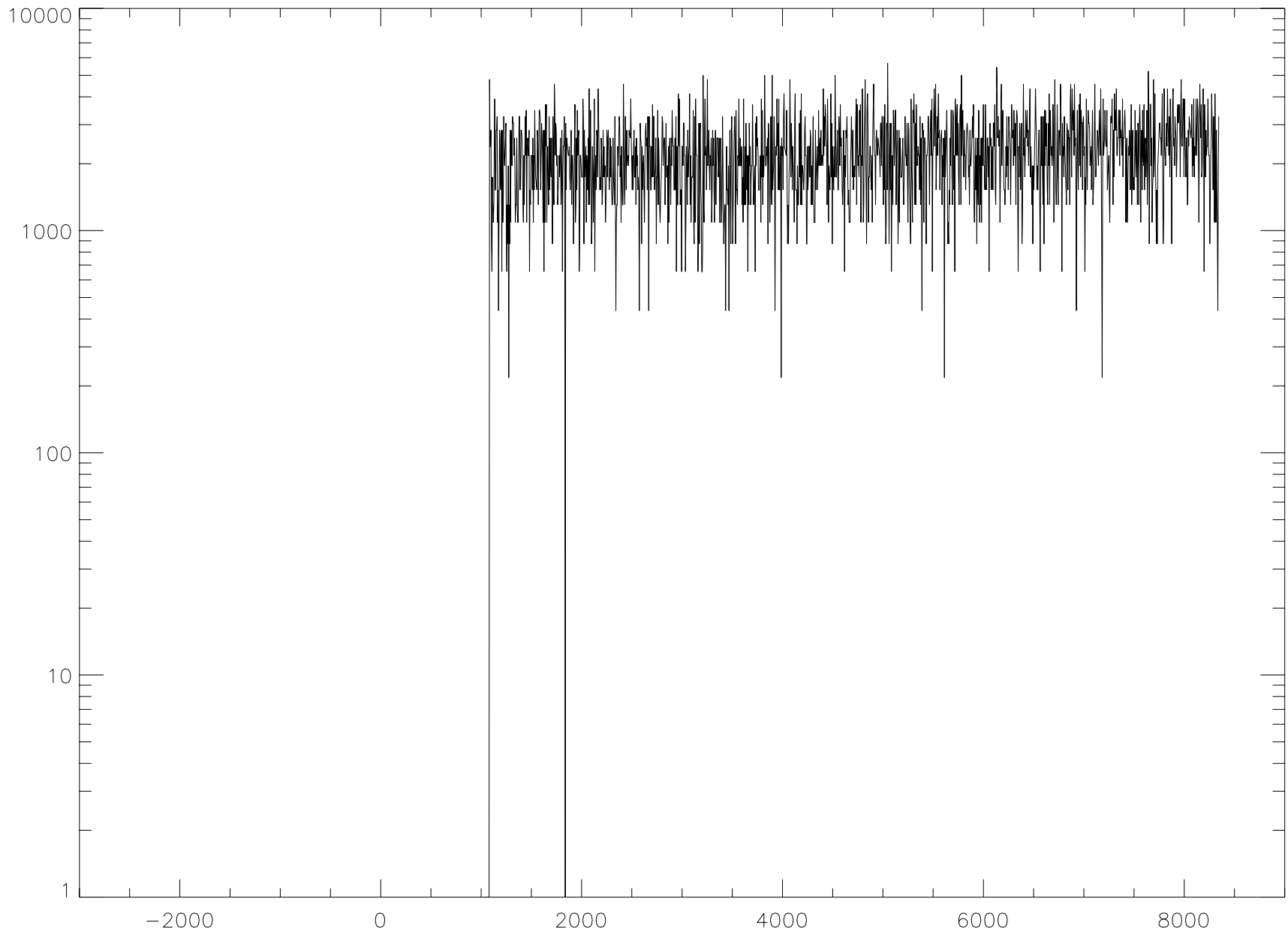


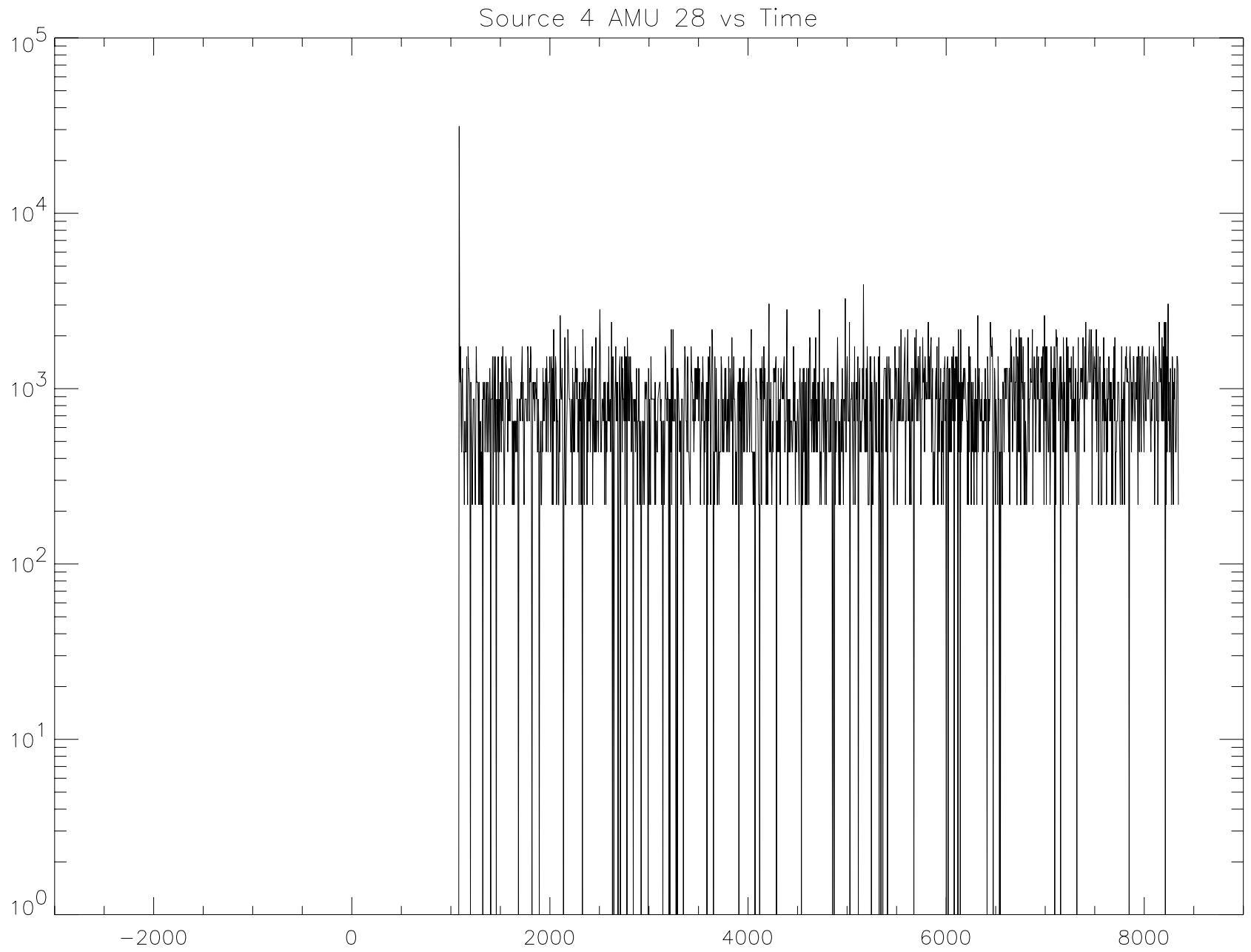


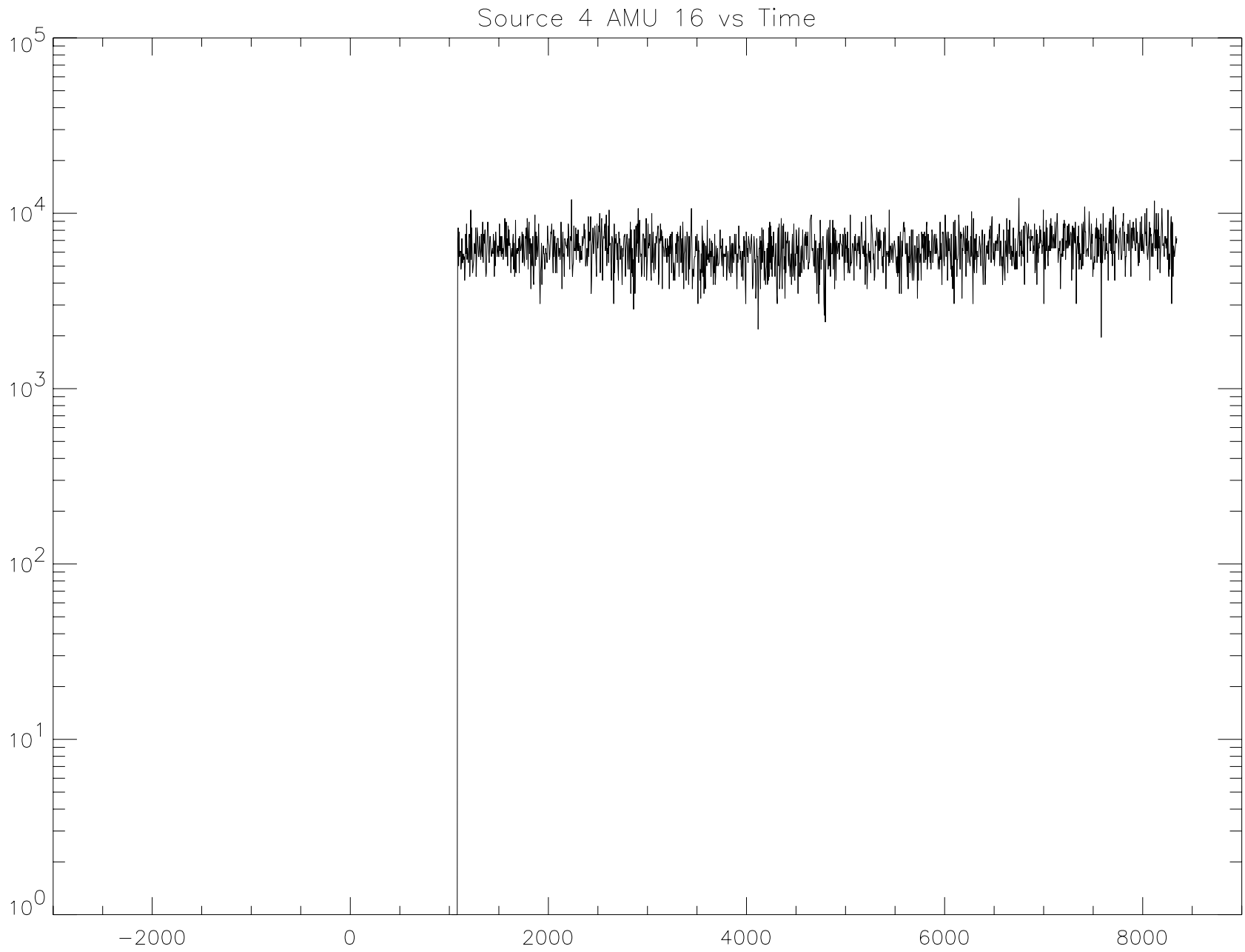
Printed: Wed Apr 14 12:50:05 2004

Path: /home/gcmsqm/gse/rev3.2/data/031209-FU-postEPROM_nopreheat_FC01-bes

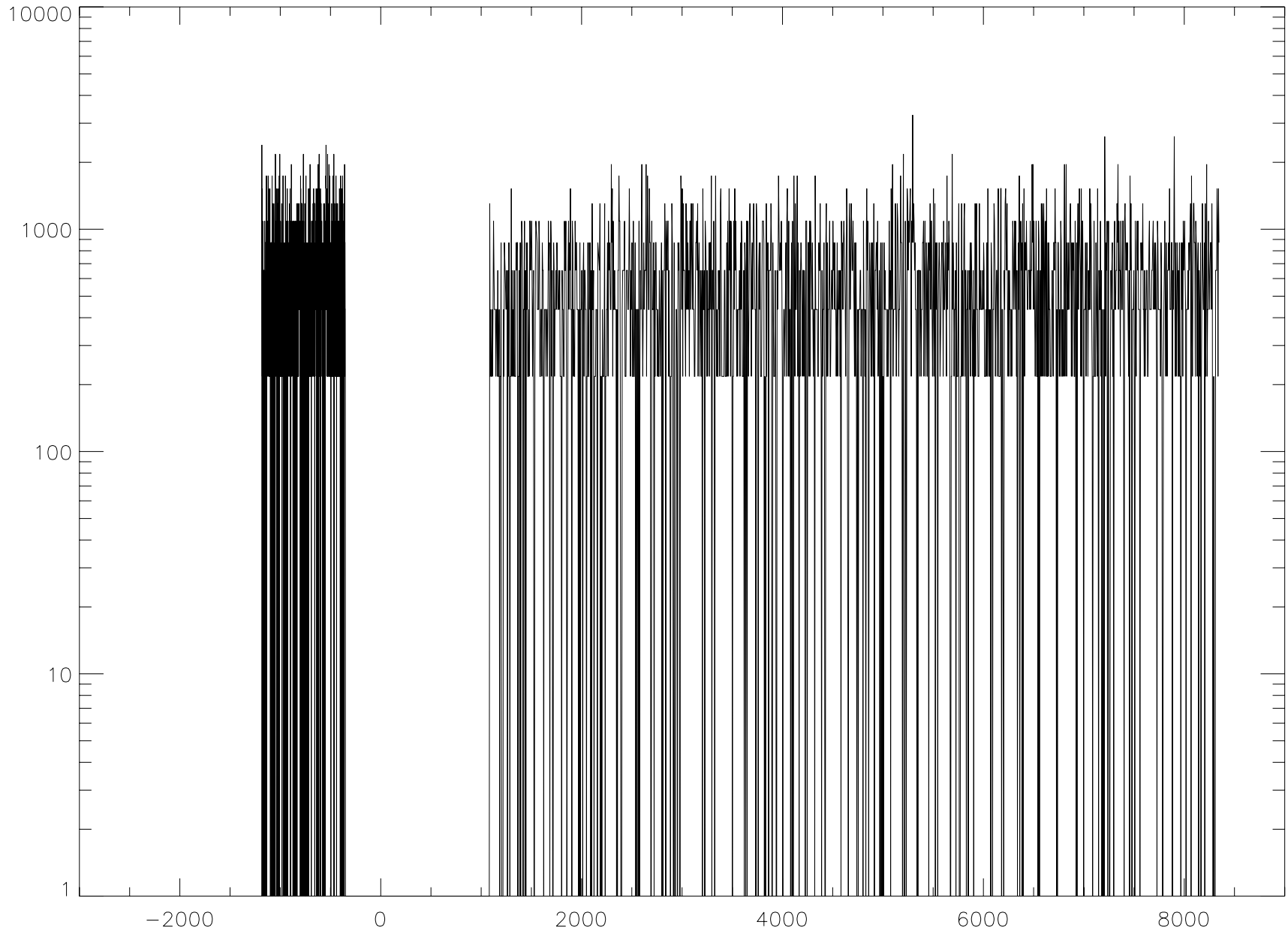
Source 3 AMU 16 vs Time



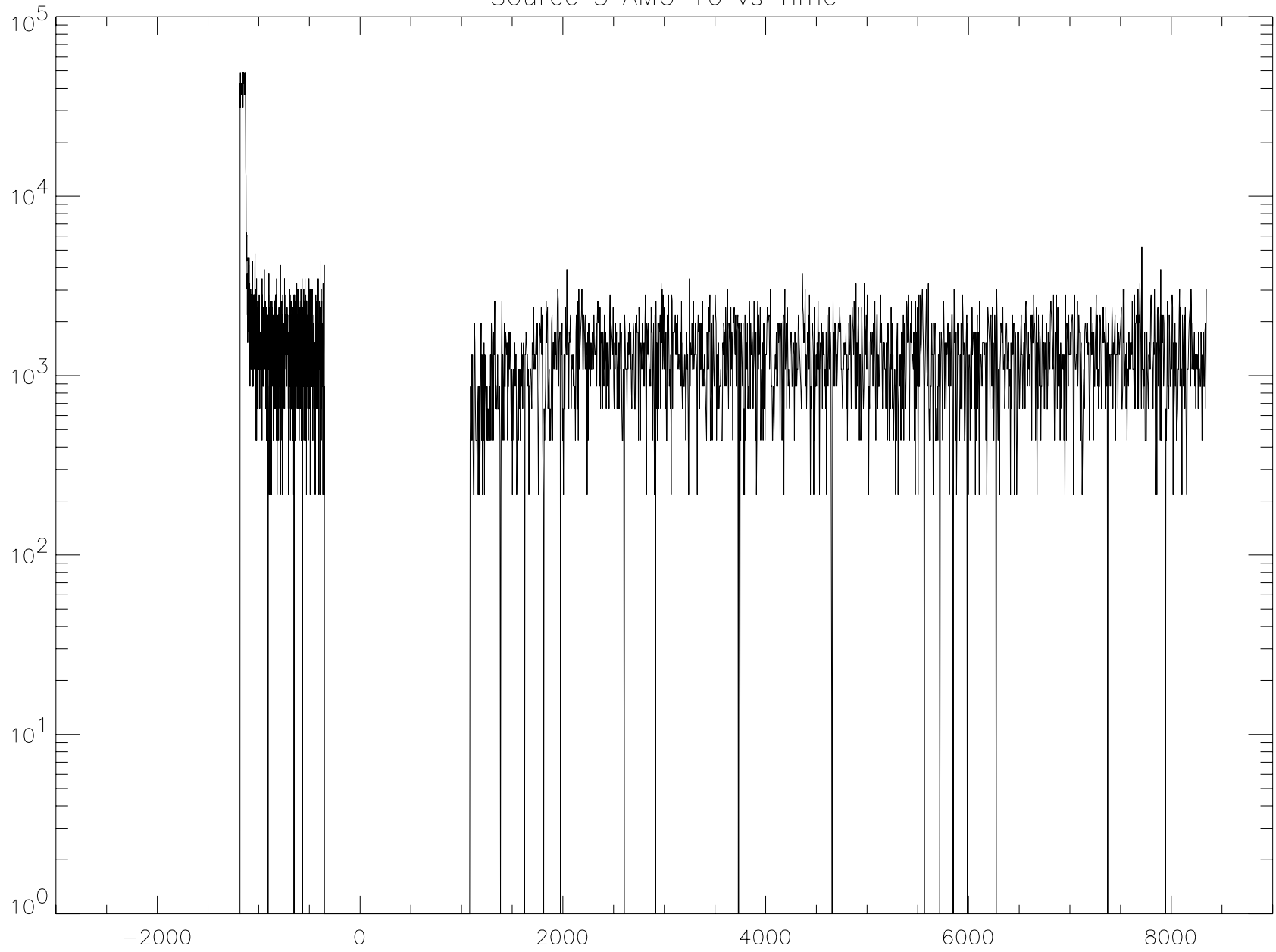




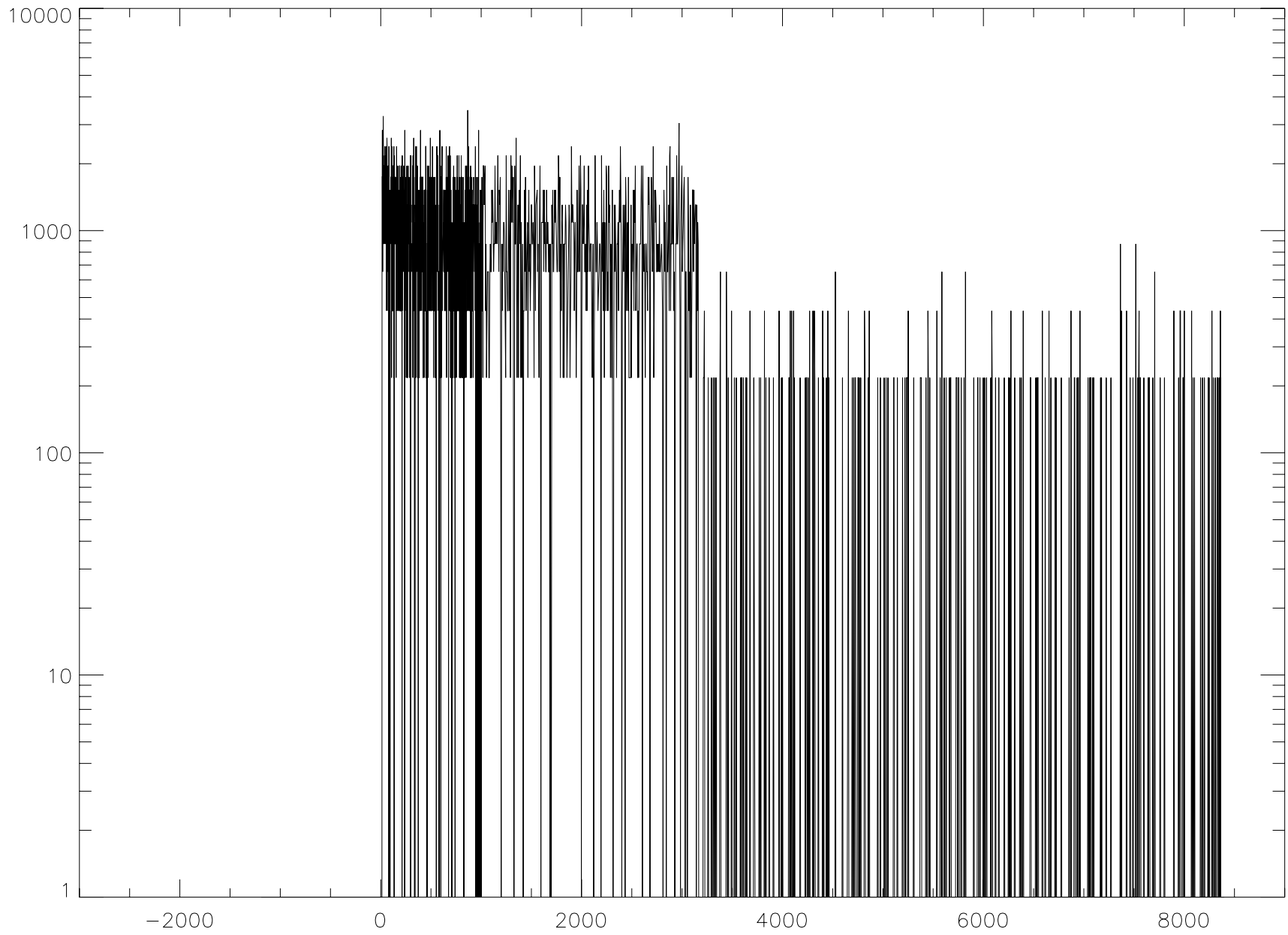
Source 5 AMU 28 vs Time

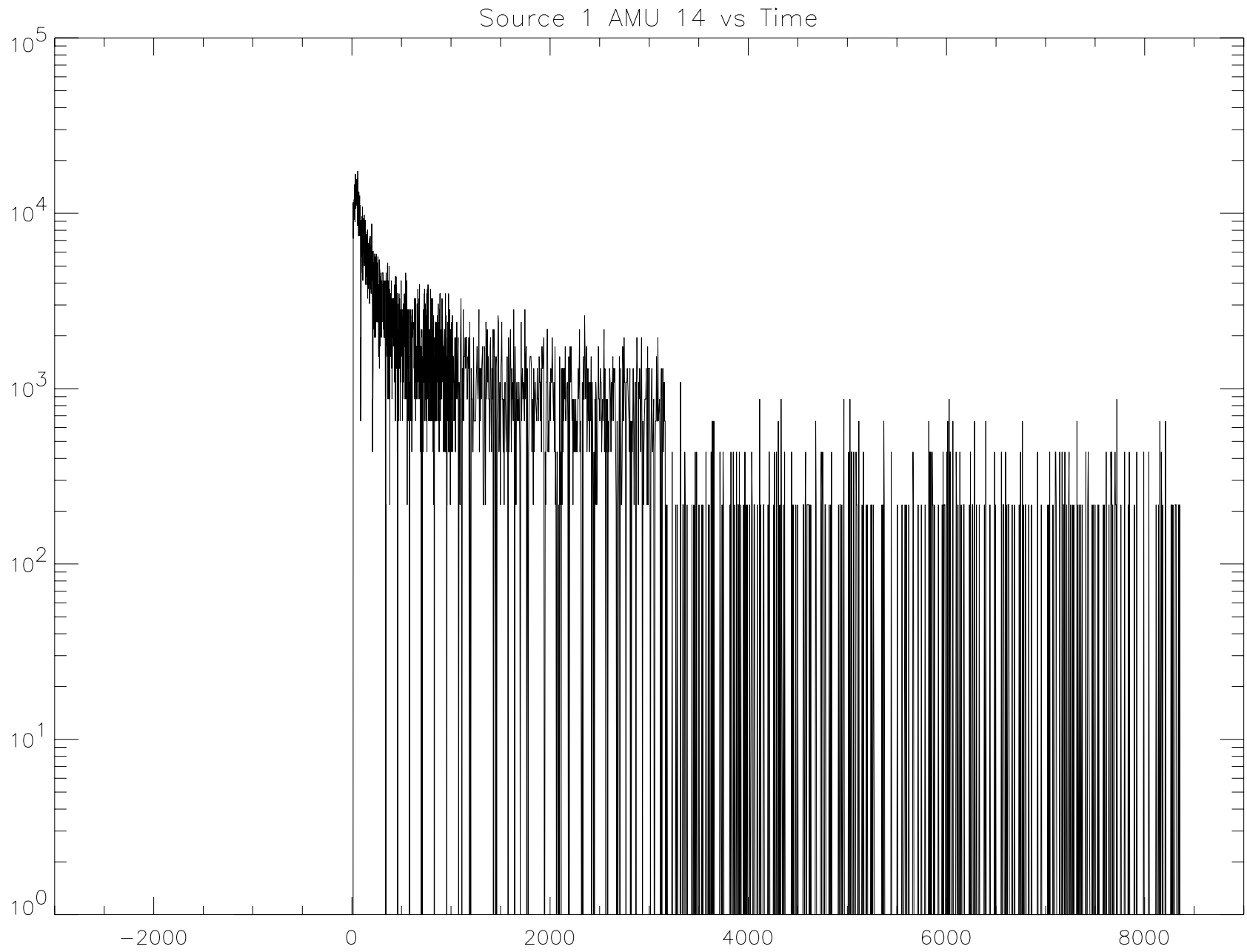


Source 5 AMU 16 vs Time

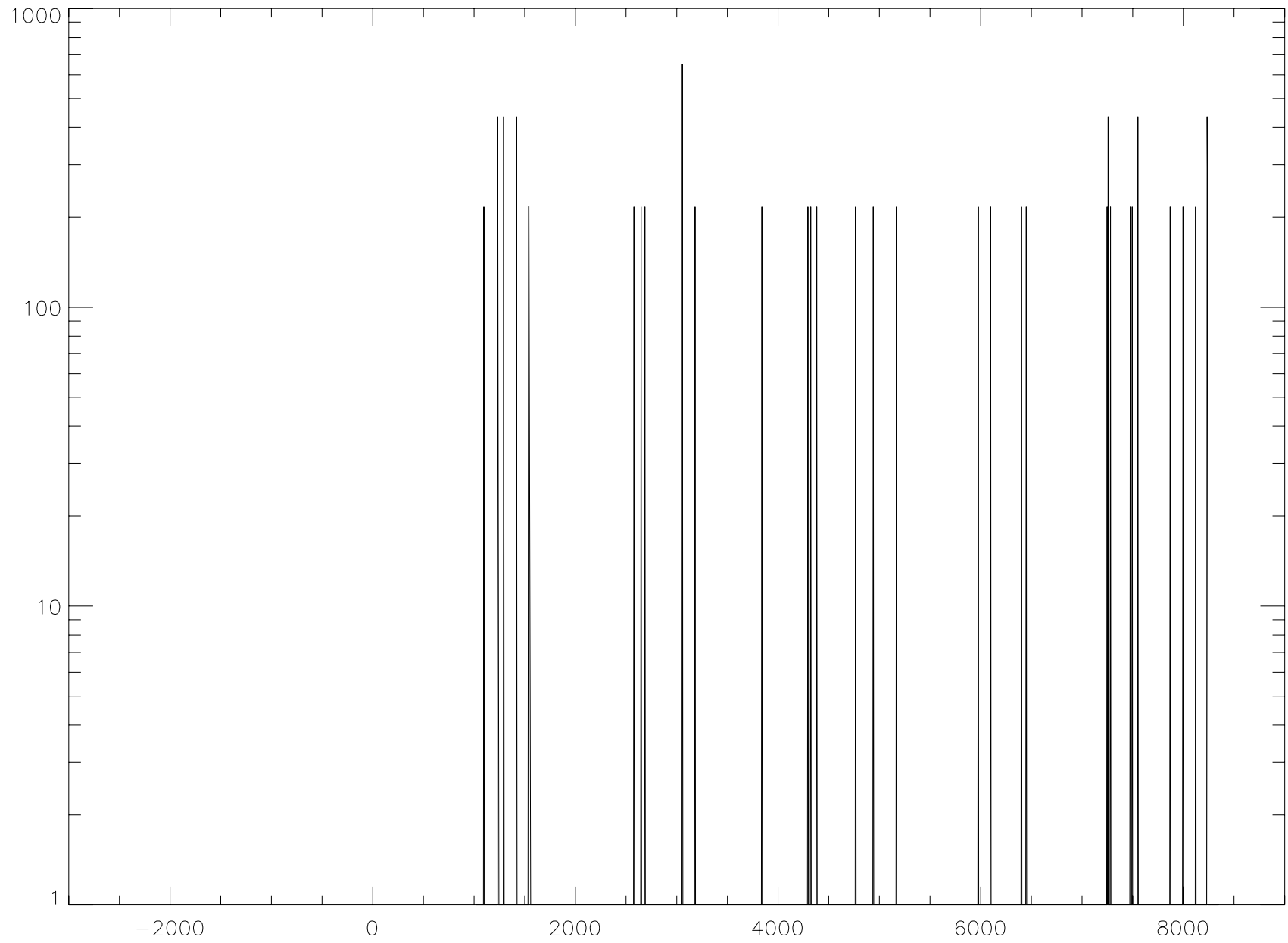


Source 1 AMU 40 vs Time

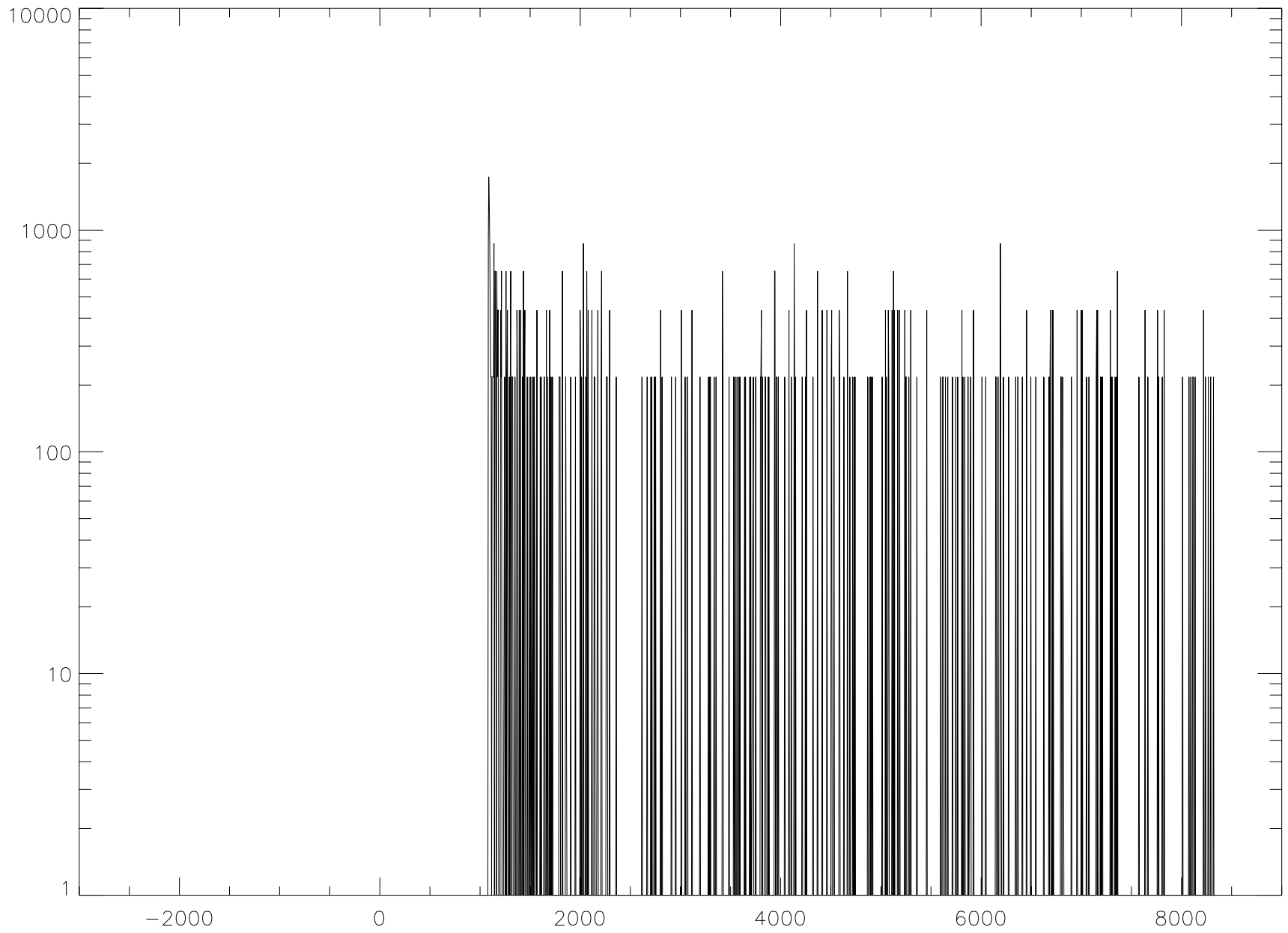




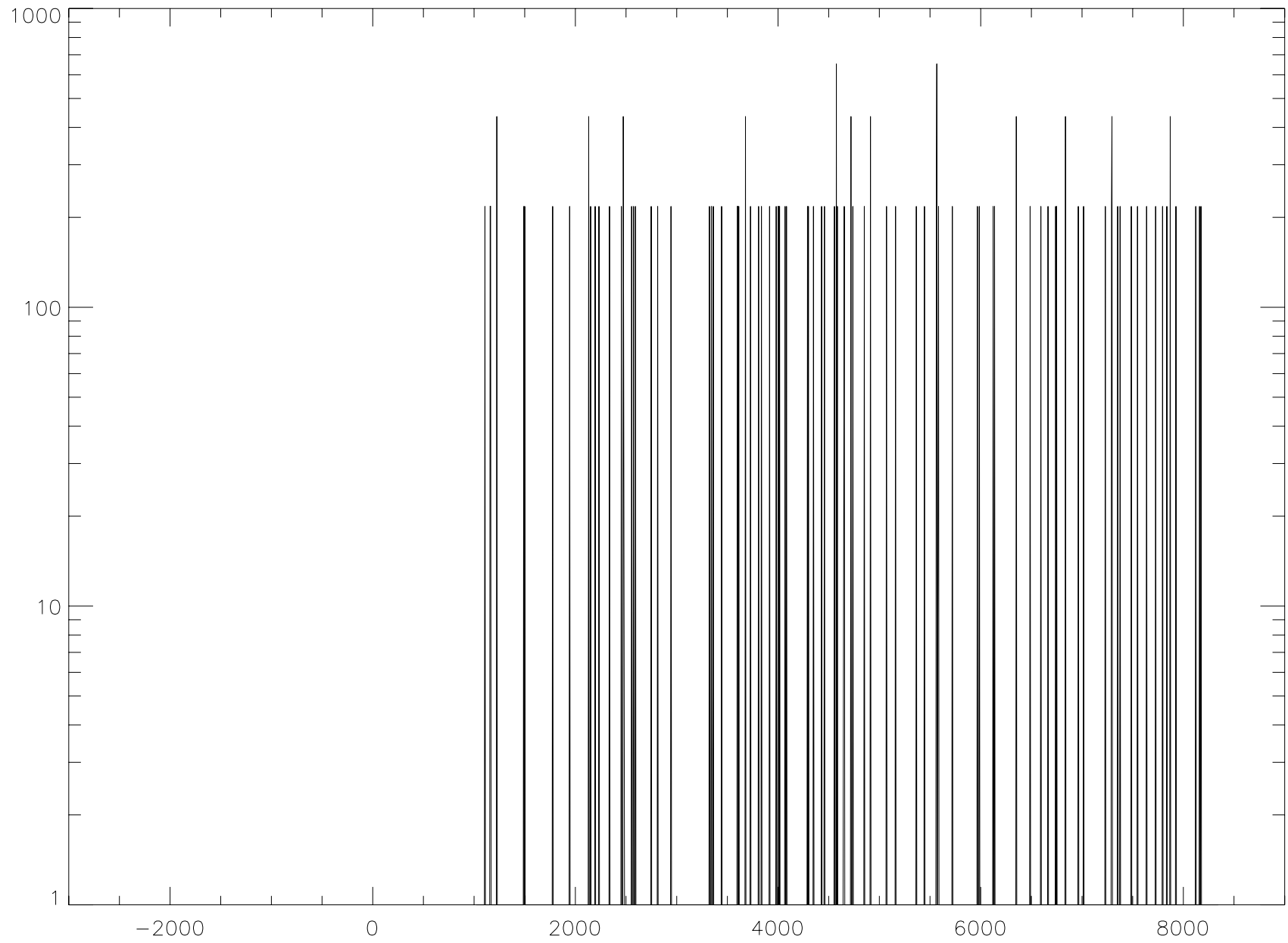
Source 2 AMU 40 vs Time



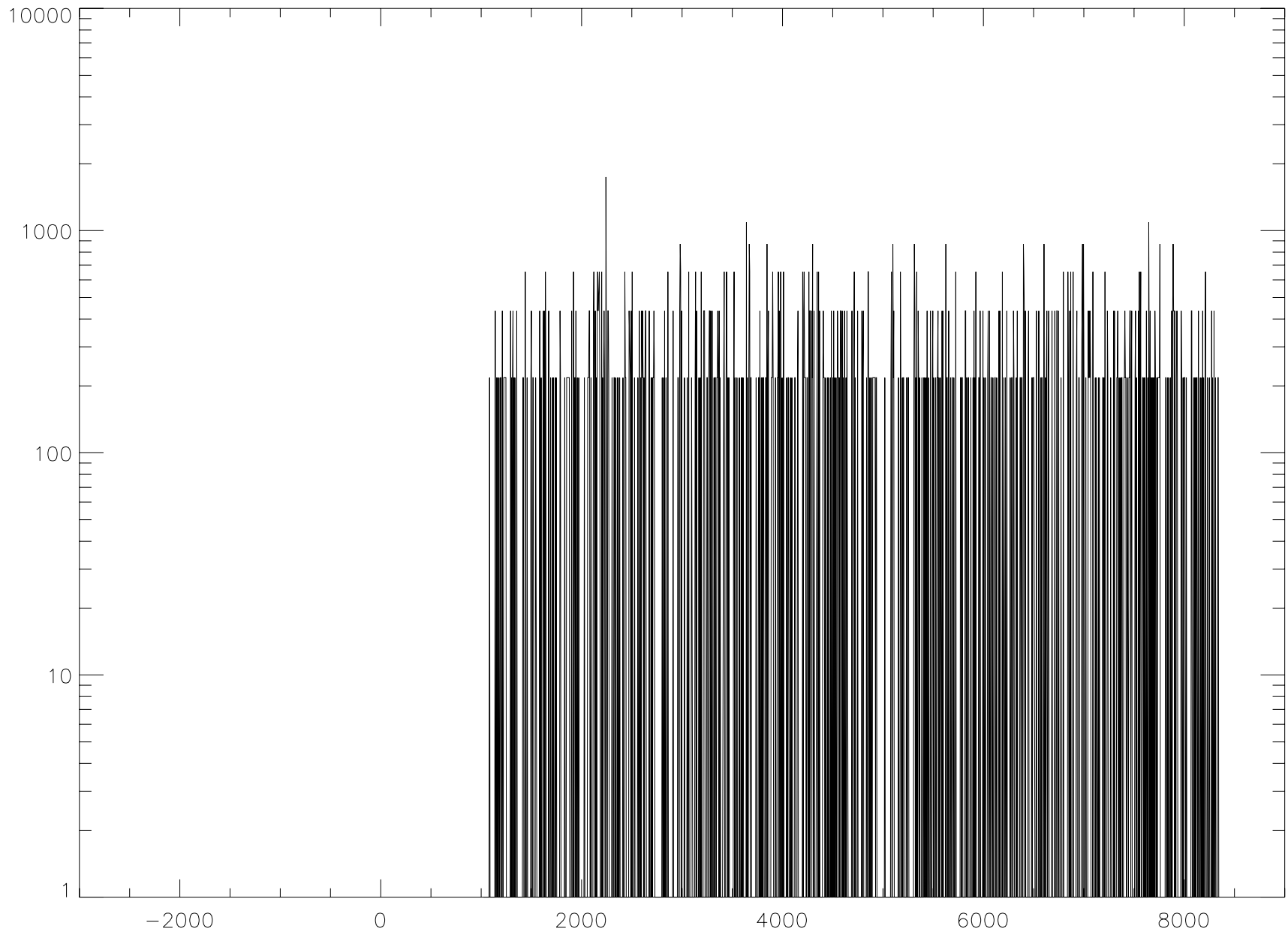
Source 2 AMU 14 vs Time



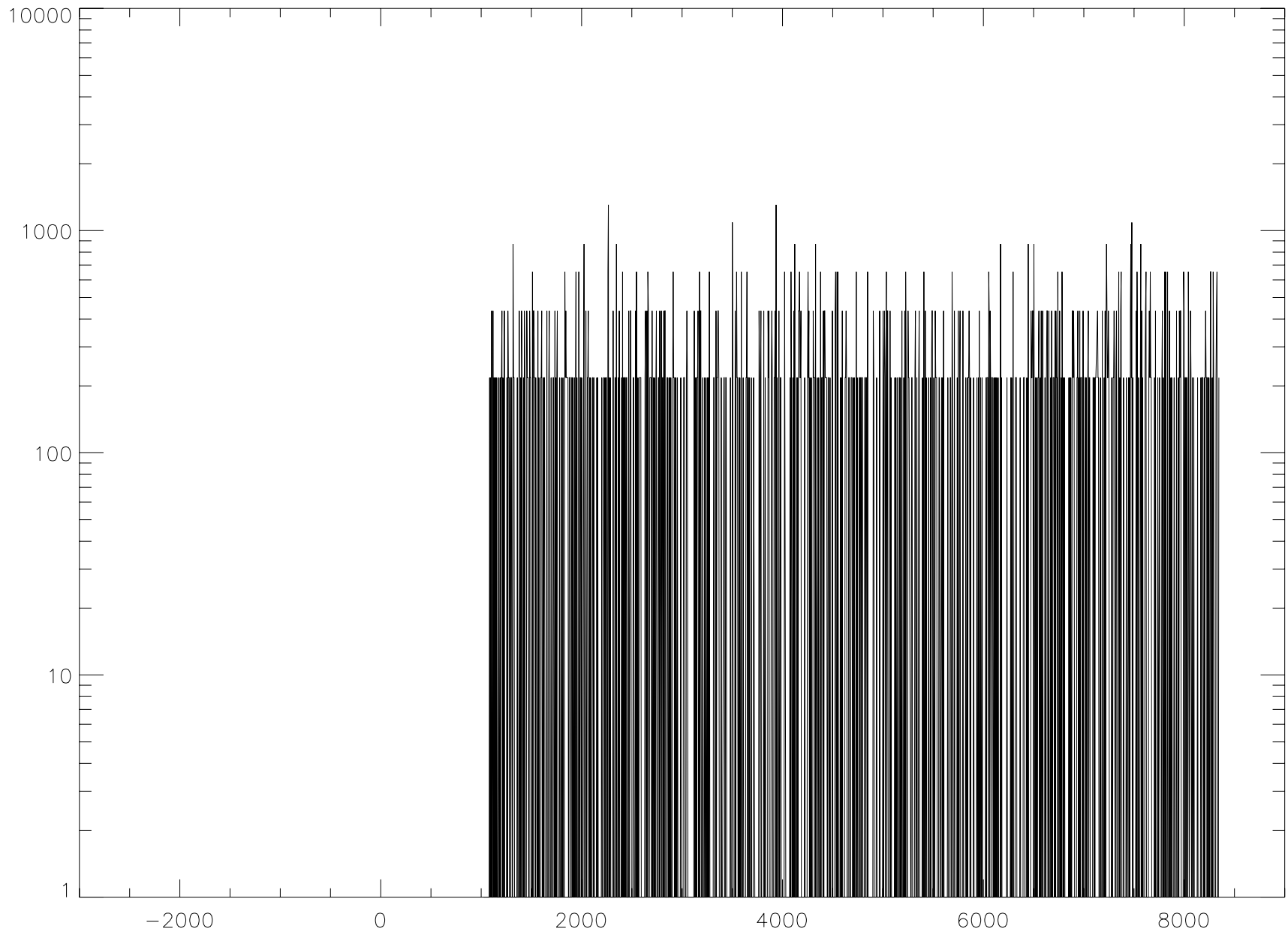
Source 3 AMU 40 vs Time



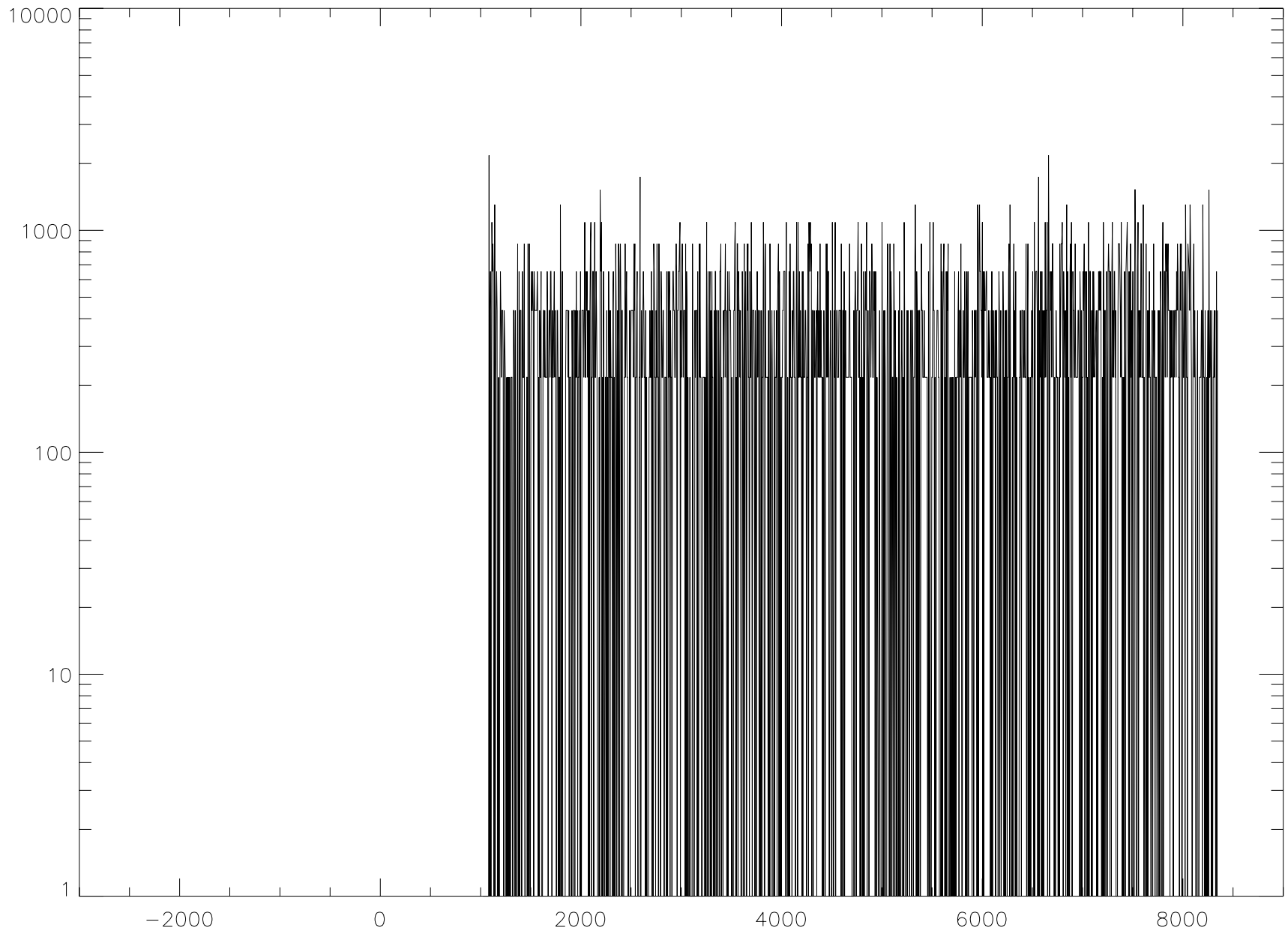
Source 3 AMU 14 vs Time

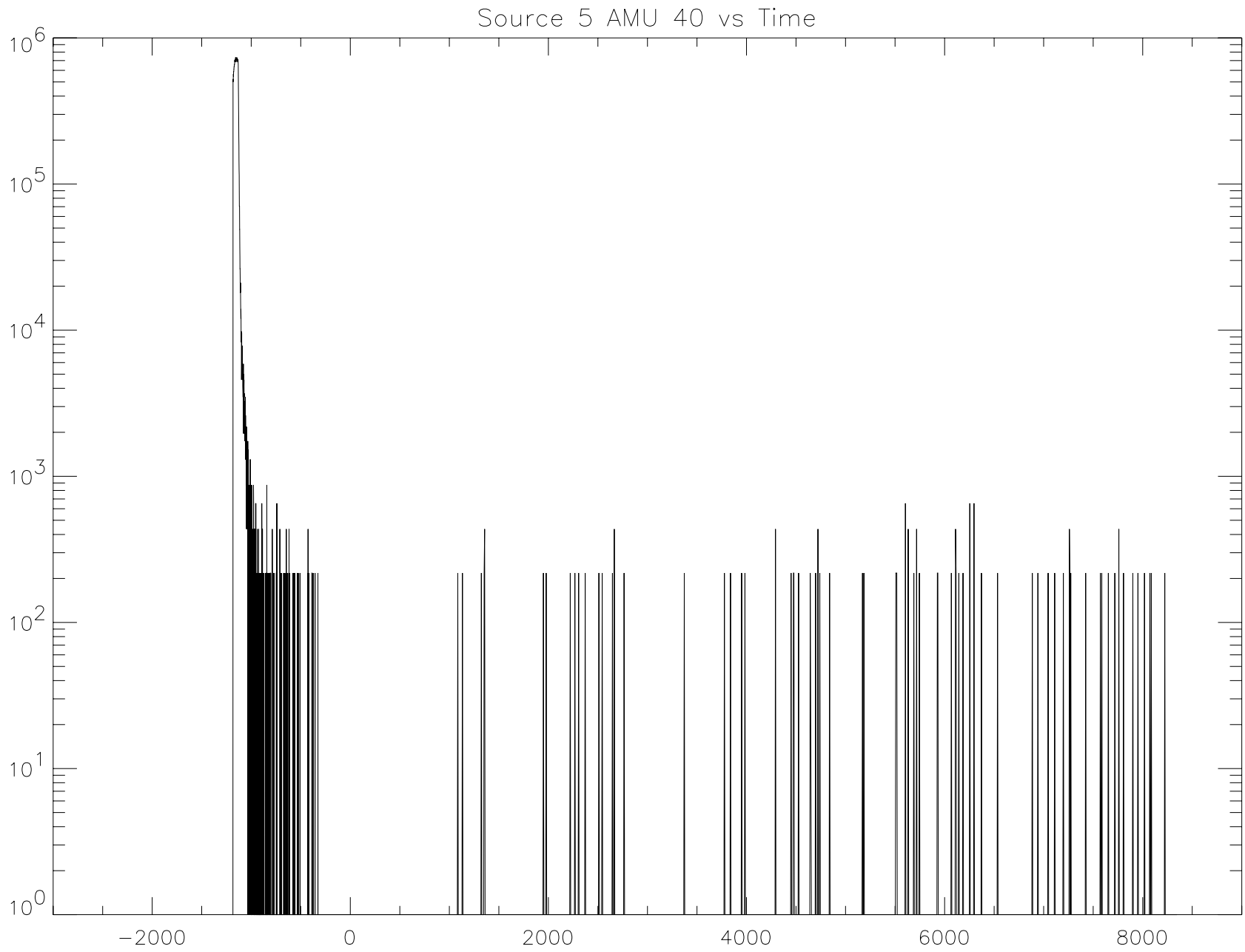


Source 4 AMU 40 vs Time

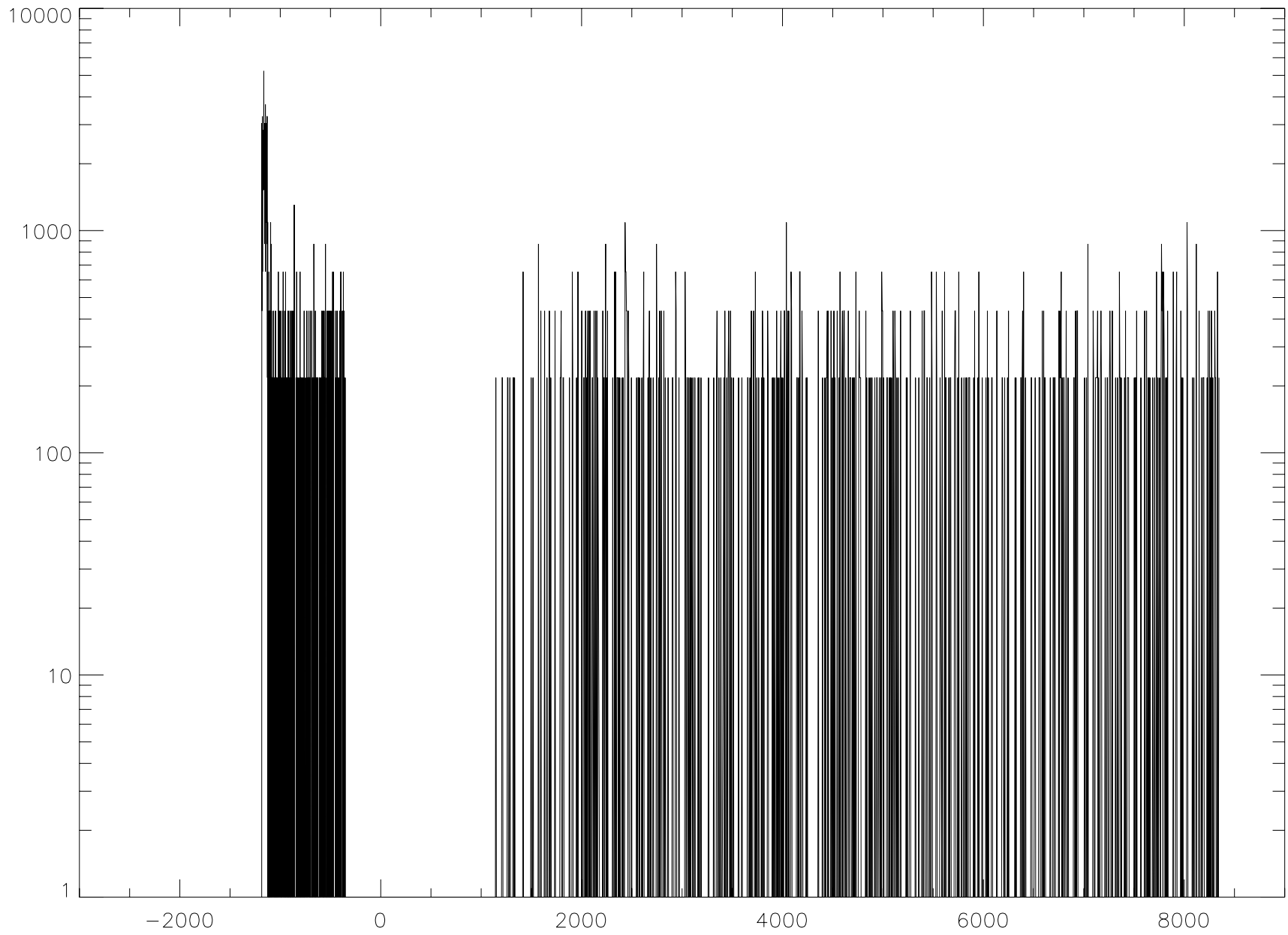


Source 4 AMU 14 vs Time

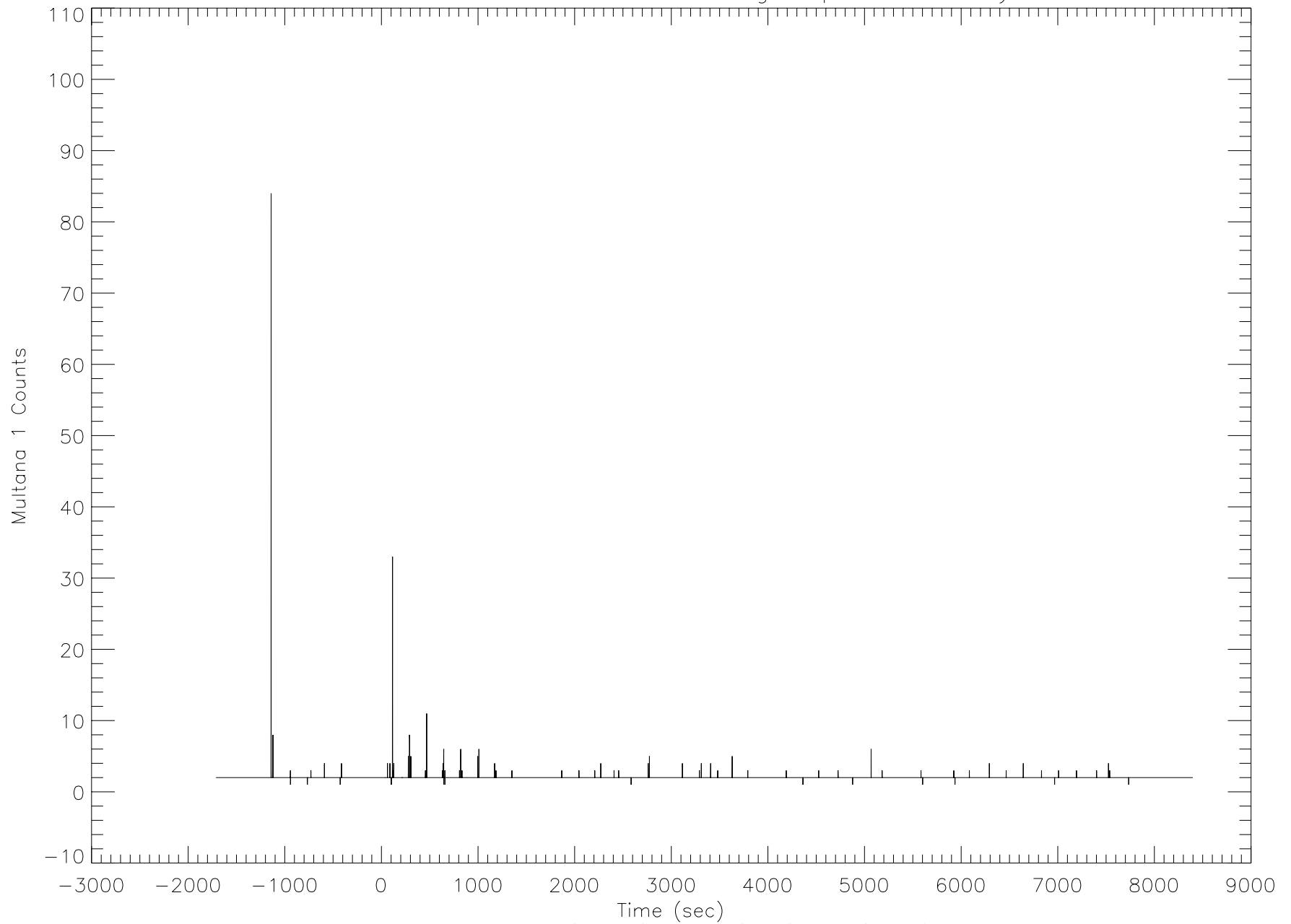




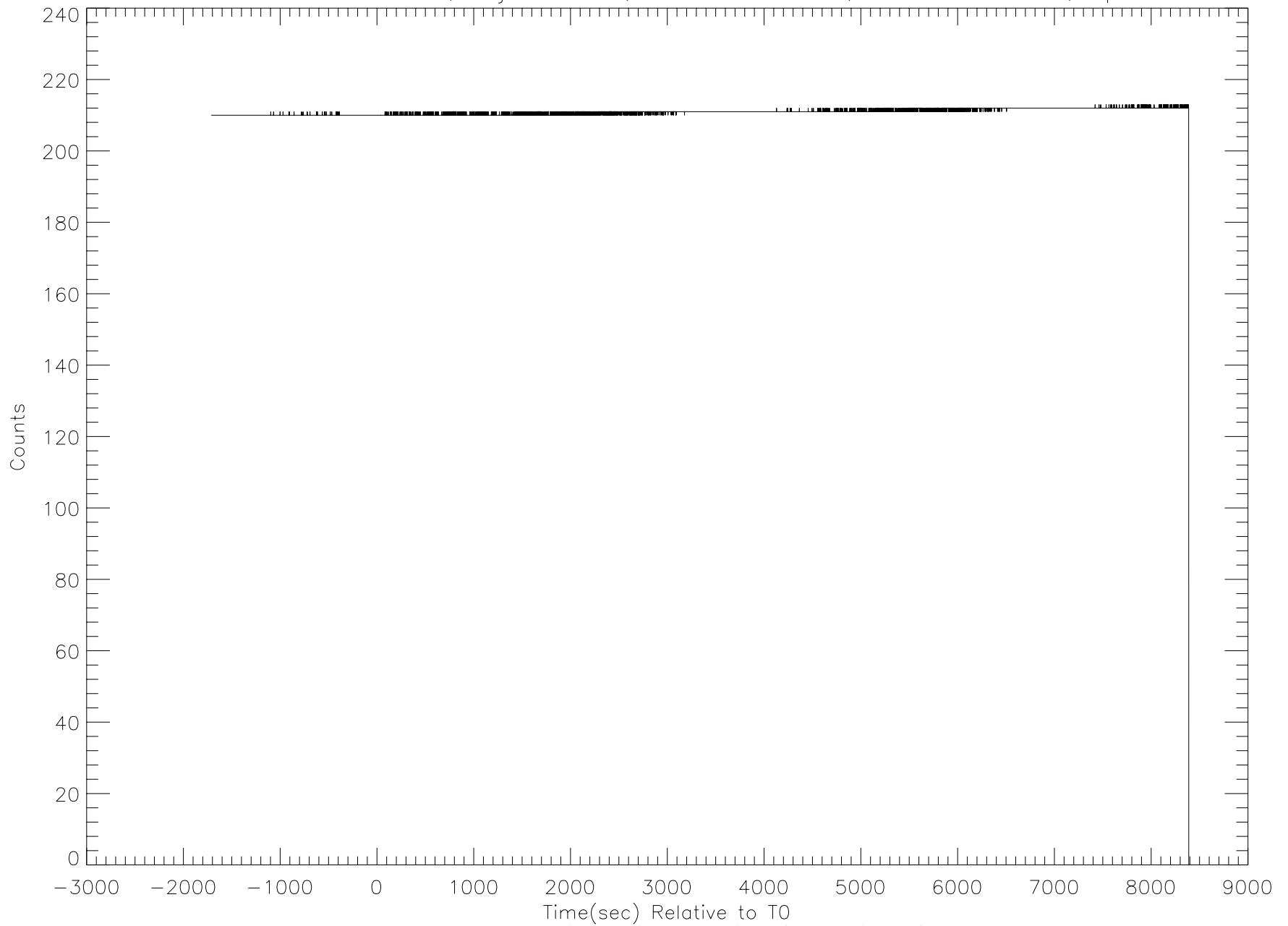
Source 5 AMU 14 vs Time



GCMS Multana_1 vs Time from High-Speed Telemetry

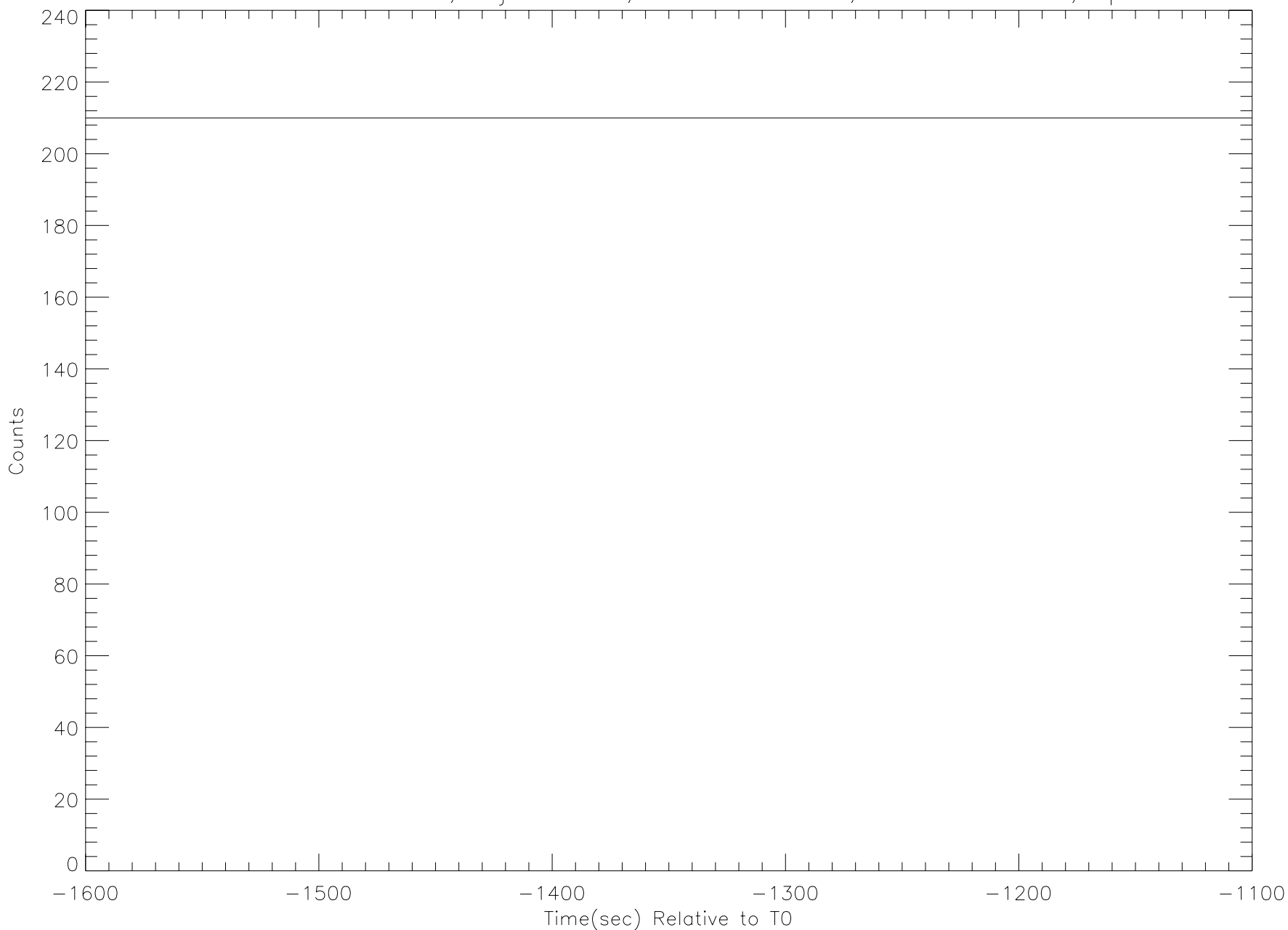


GCMS Pos VL: Total= 0, Adjacent= 0, 2nd Smaller= 0, Threshold= 150, Ops= 0



Printed: Wed Apr 14 12:54:15 2004 Path: /home/gcmsqm/gse/rev3.2/data/031209-FU-postEPROM_nopreheat_FC01-be

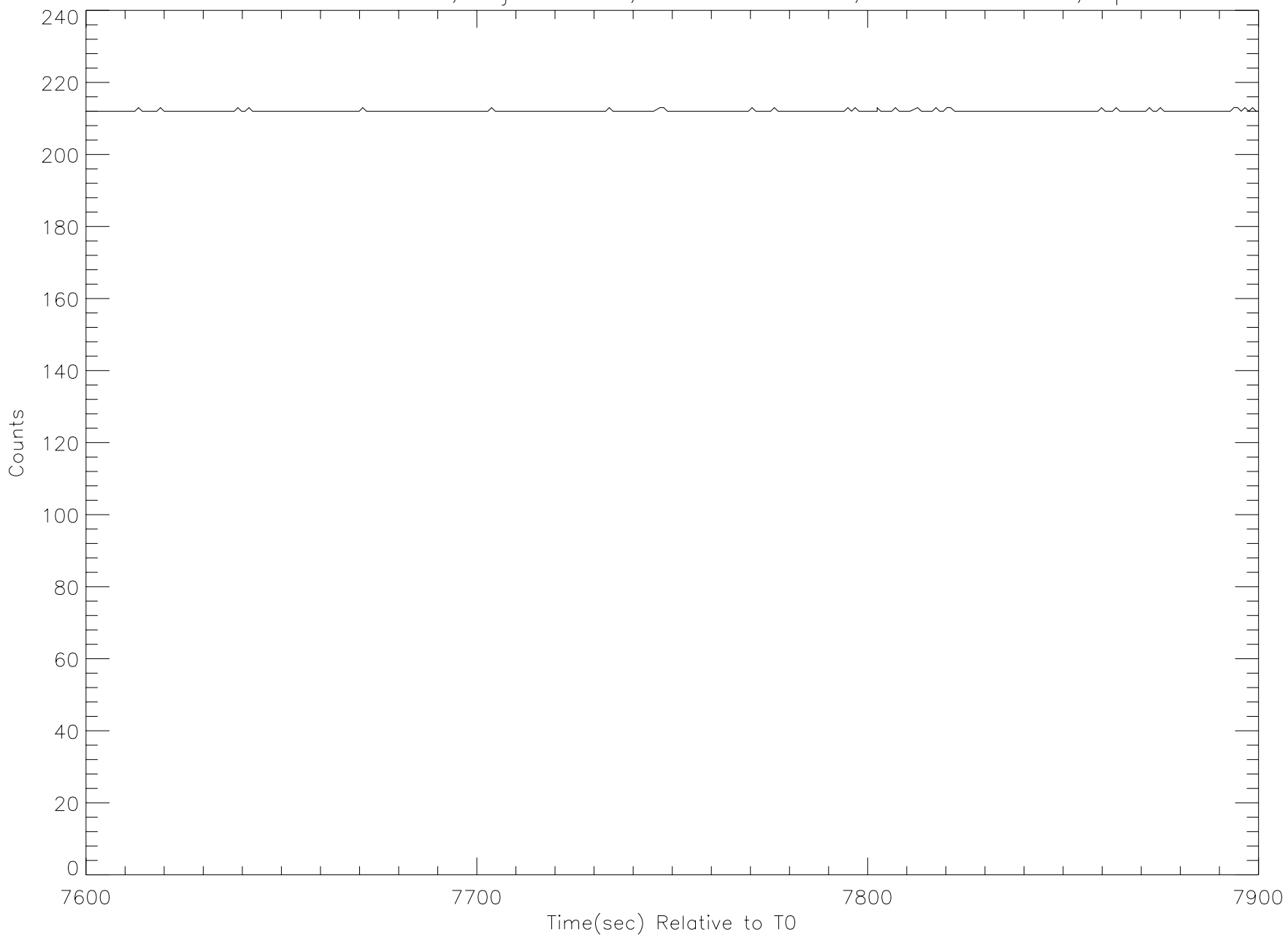
GCMS Pos VL: Total= 0, Adjacent= 0, 2nd Smaller= 0, Threshold= 150, Ops= 0



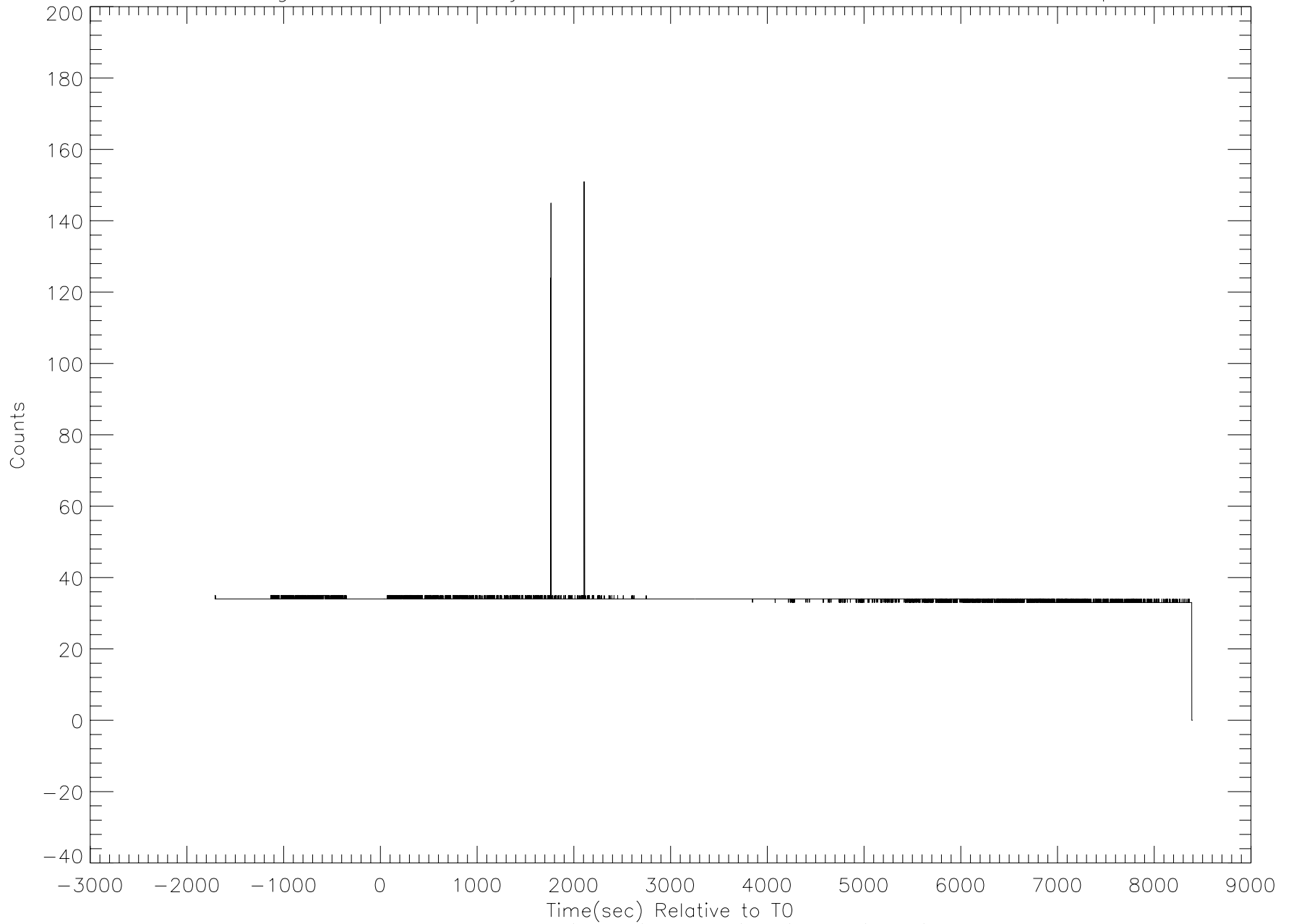
Printed: Wed Apr 14 12:54:29 2004

Path: /home/gcmsqm/gse/rev3.2/data/031209-FU-postEPROM_nopreheat_FC01-be

GCMS Pos VL: Total= 0, Adjacent= 0, 2nd Smaller= 0, Threshold= 150, Ops= 0

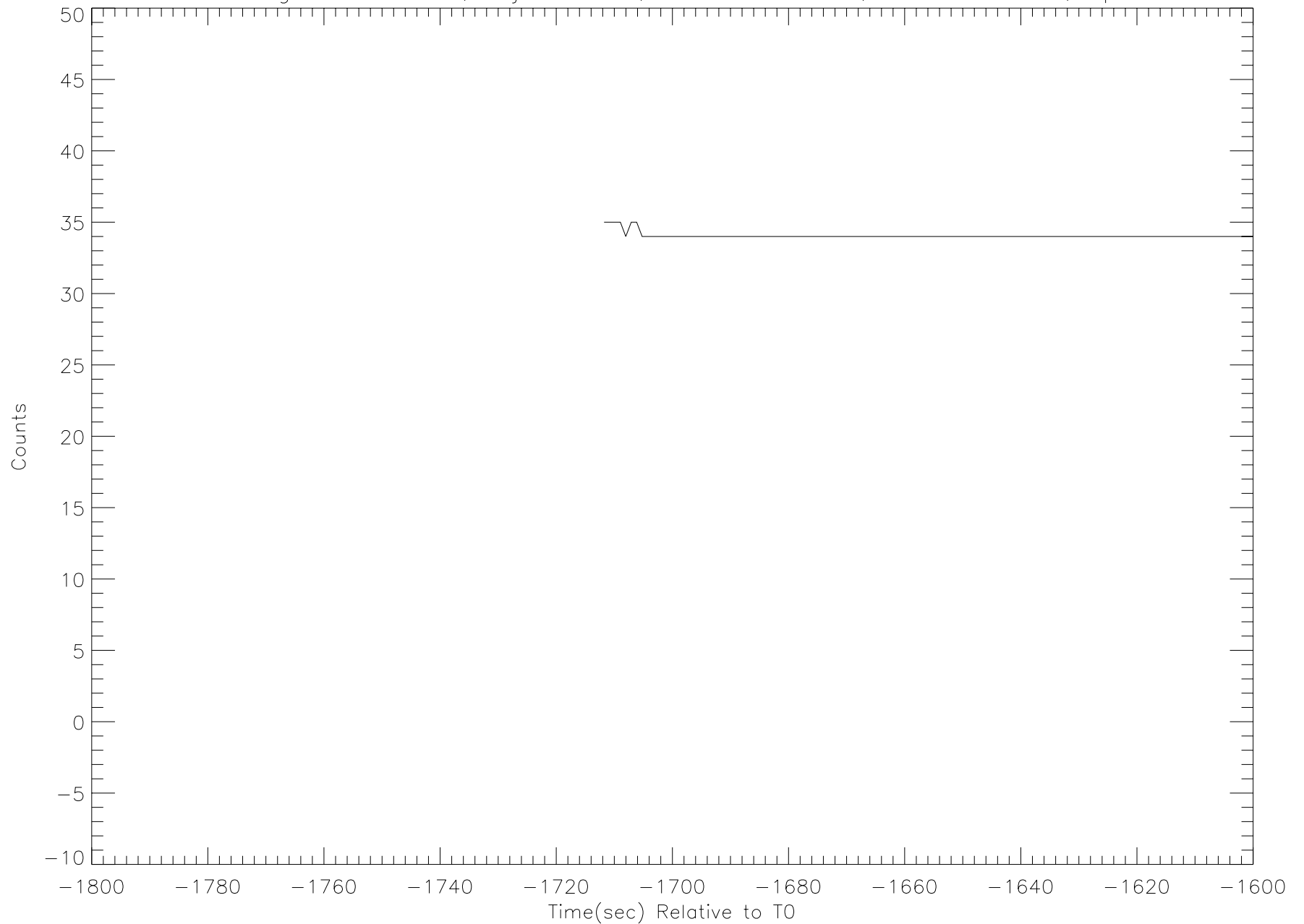


GCMS Neg VL: Total= 8, Adjacent= 4, 2nd Smaller= 4, Threshold= 80, Ops= 4



Printed: Wed Apr 14 12:54:55 2004 Path: /home/gcmsqm/gse/rev3.2/data/031209-FU-postEPROM_nopreheat_FC01-be

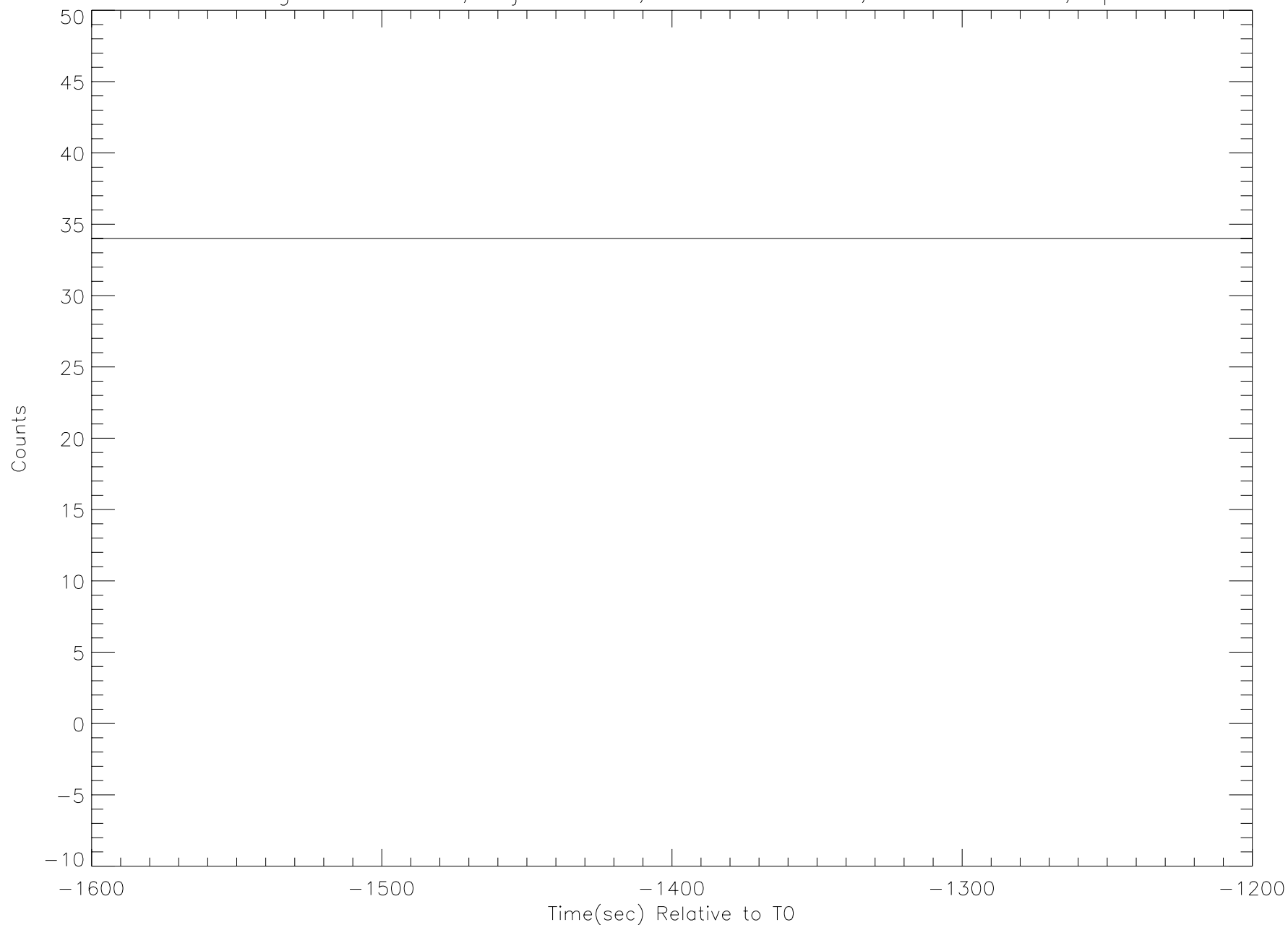
GCMS Neg VL: Total= 8, Adjacent= 4, 2nd Smaller= 4, Threshold= 80, Ops= 4



Printed: Wed Apr 14 12:55:09 2004

Path: /home/gcmsqm/gse/rev3.2/data/031209-FU-postEPROM_nopreheat_FC01-bes

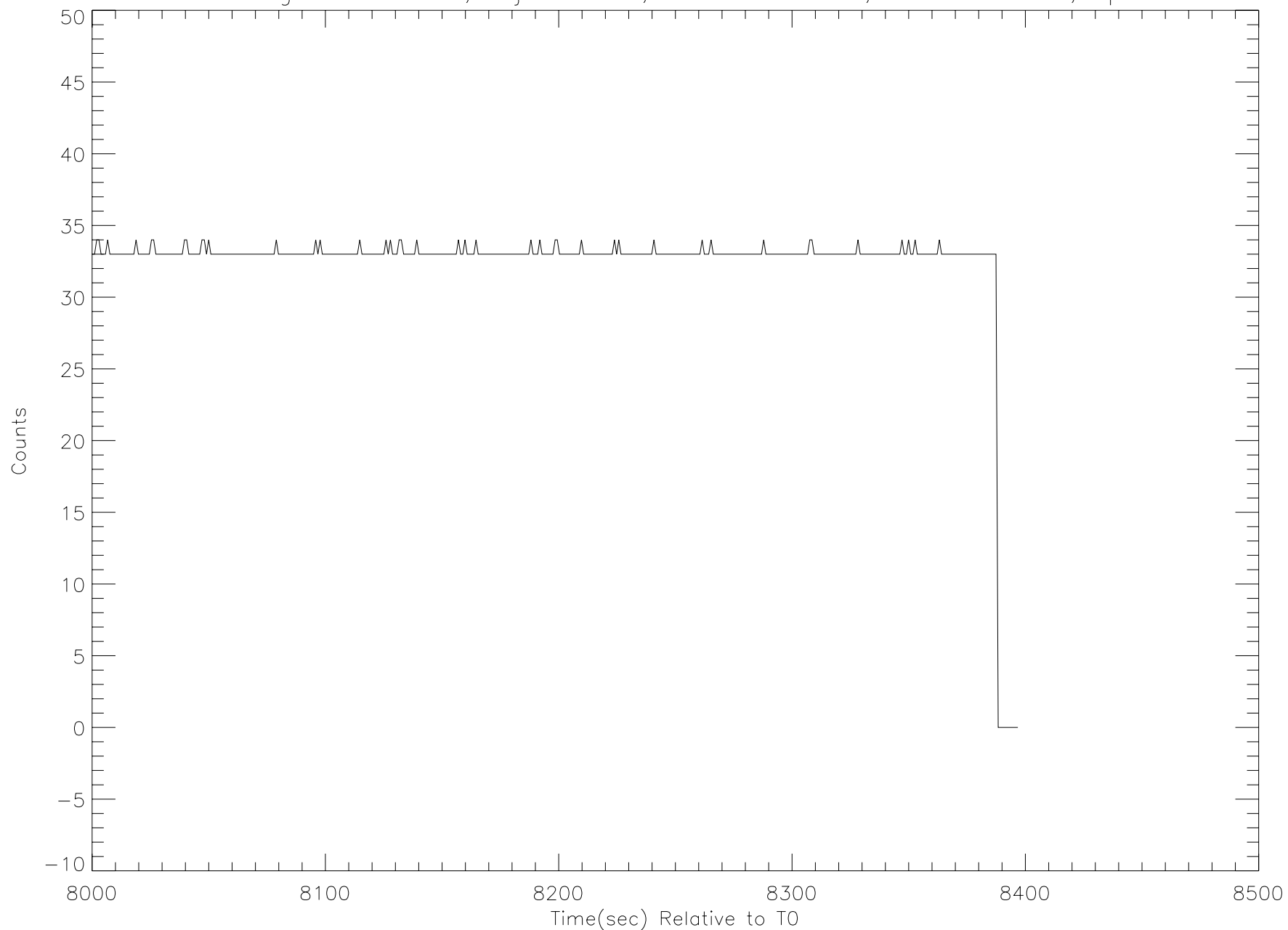
GCMS Neg VL: Total= 8, Adjacent= 4, 2nd Smaller= 4, Threshold= 80, Ops= 4



Printed: Wed Apr 14 12:55:22 2004

Path: /home/gcmsqm/gse/rev3.2/data/031209-FU-postEPROM_nopreheat_FC01-be

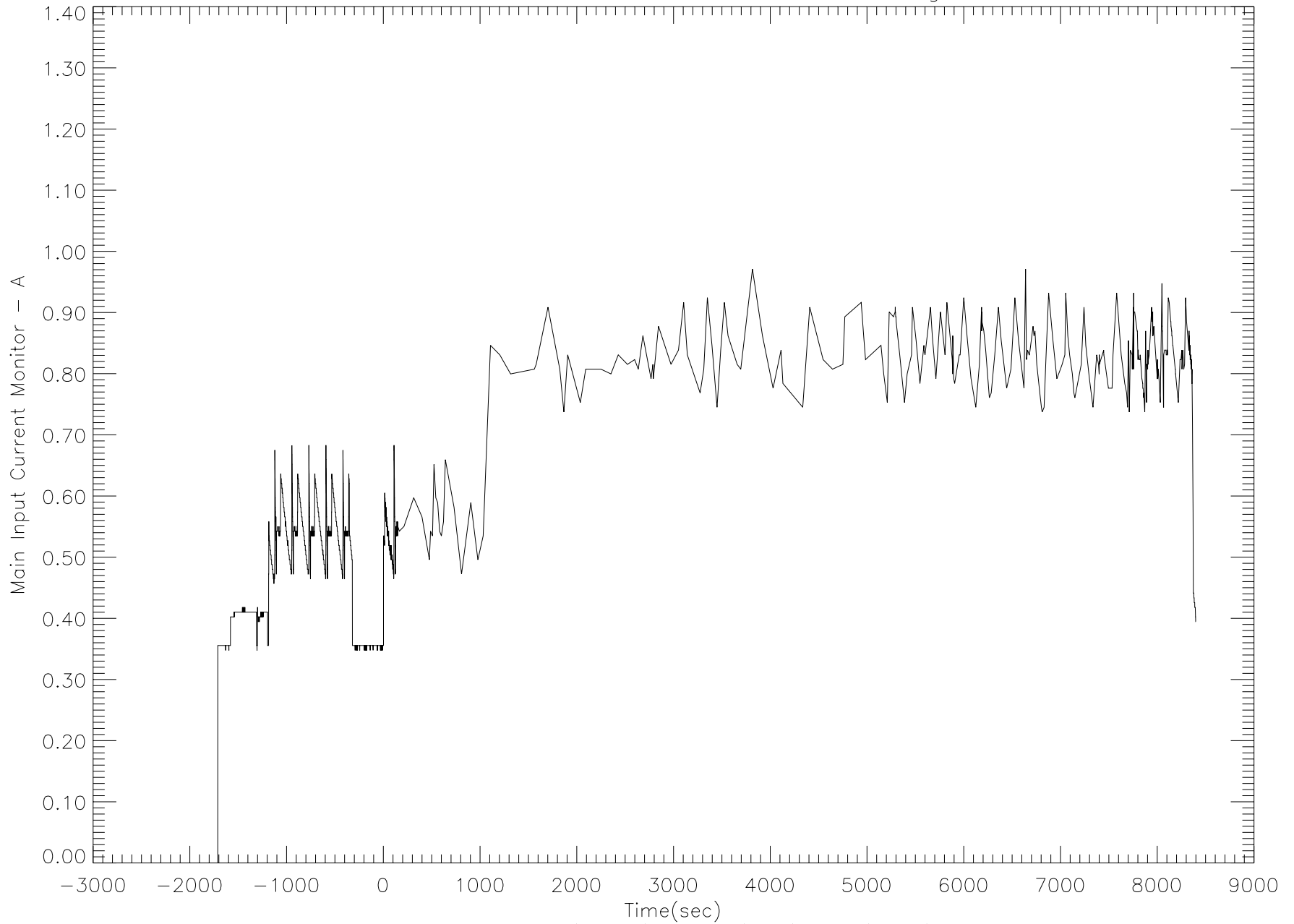
GCMS Neg VL: Total= 8, Adjacent= 4, 2nd Smaller= 4, Threshold= 80, Ops= 4



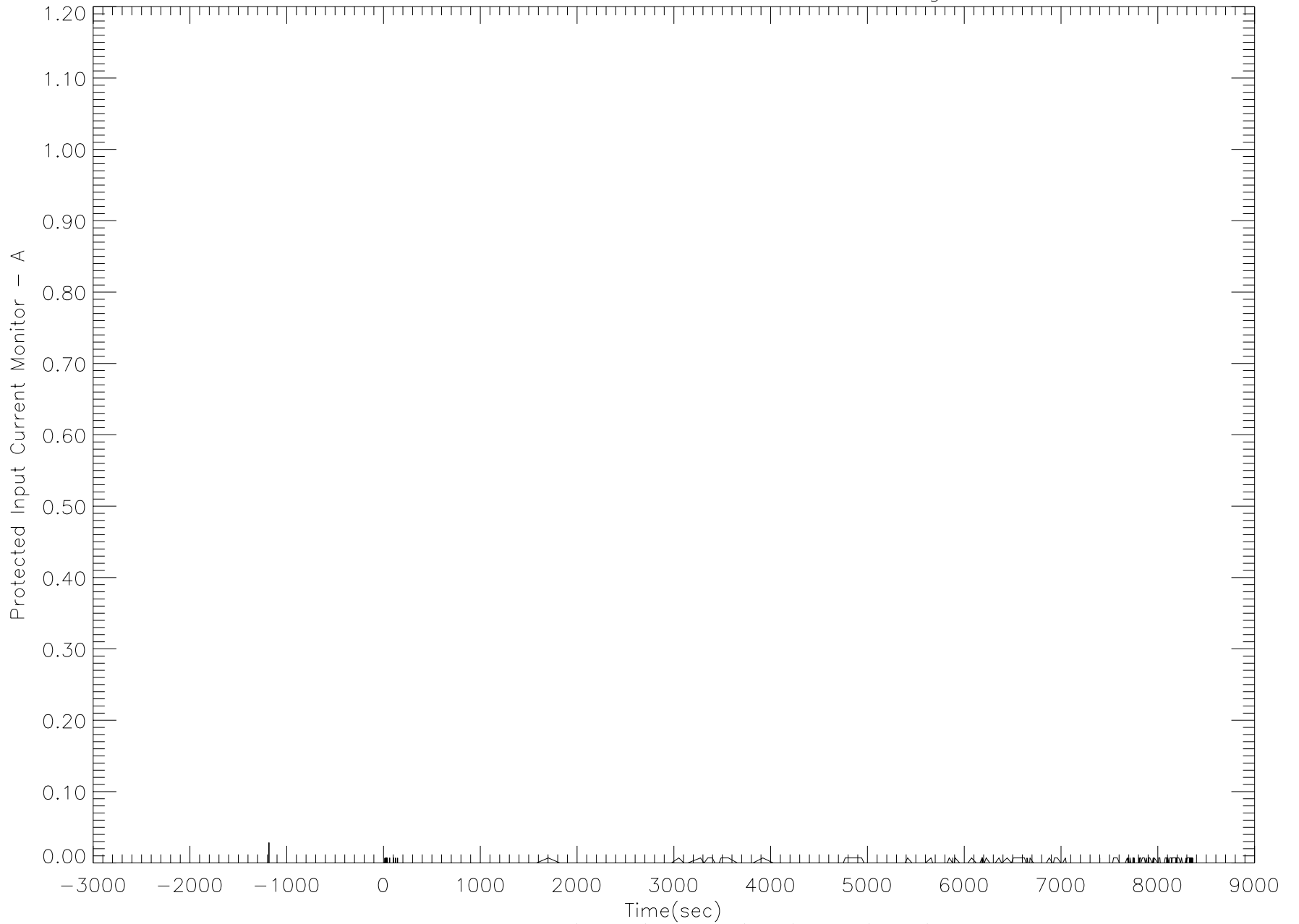
Printed: Wed Apr 14 12:55:35 2004

Path: /home/gcmsqm/gse/rev3.2/data/031209-FU-postEPROM_nopreheat_FC01-be

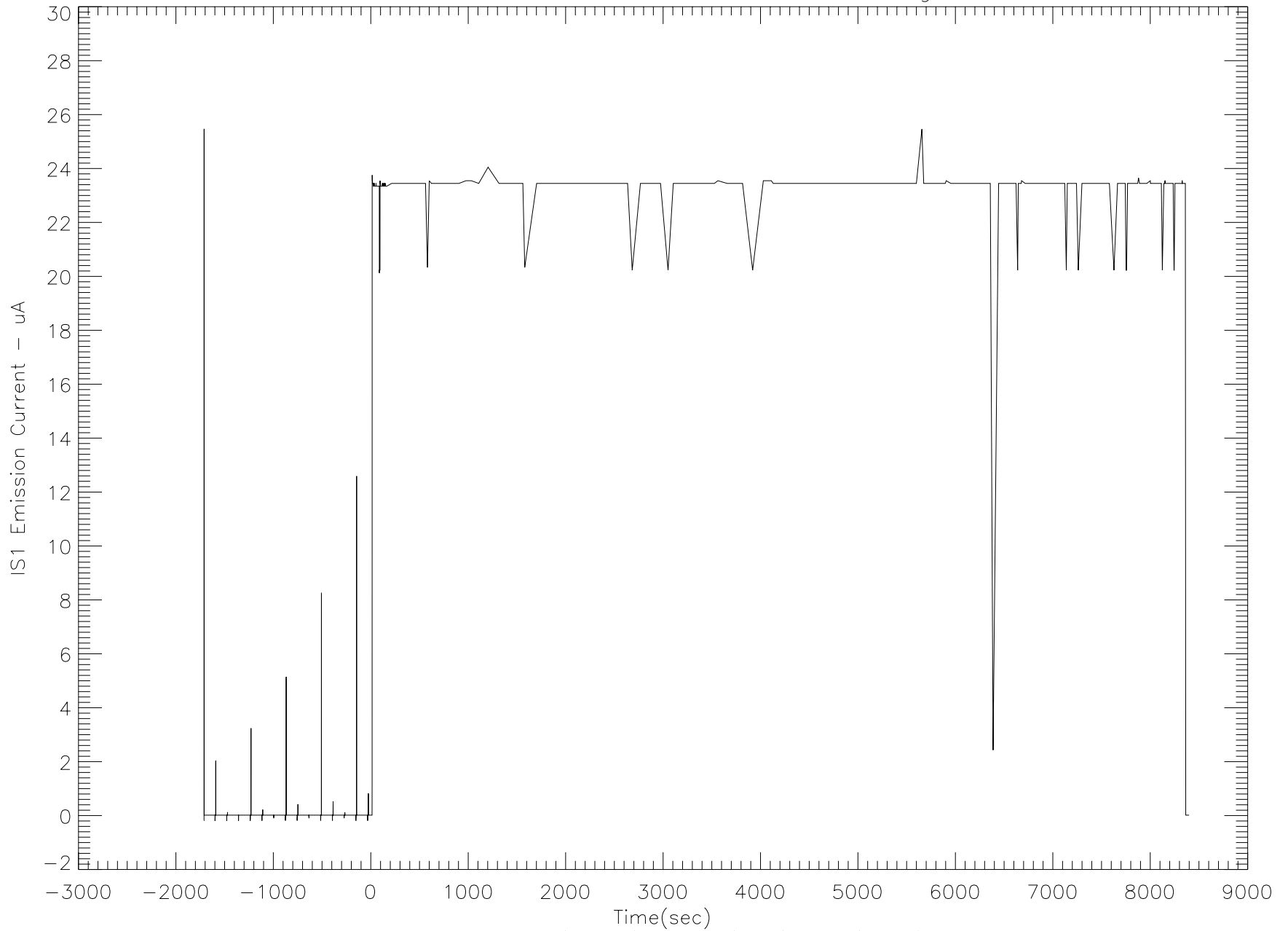
GCMS IdleA Data Value vs. Relative Time, Page 1



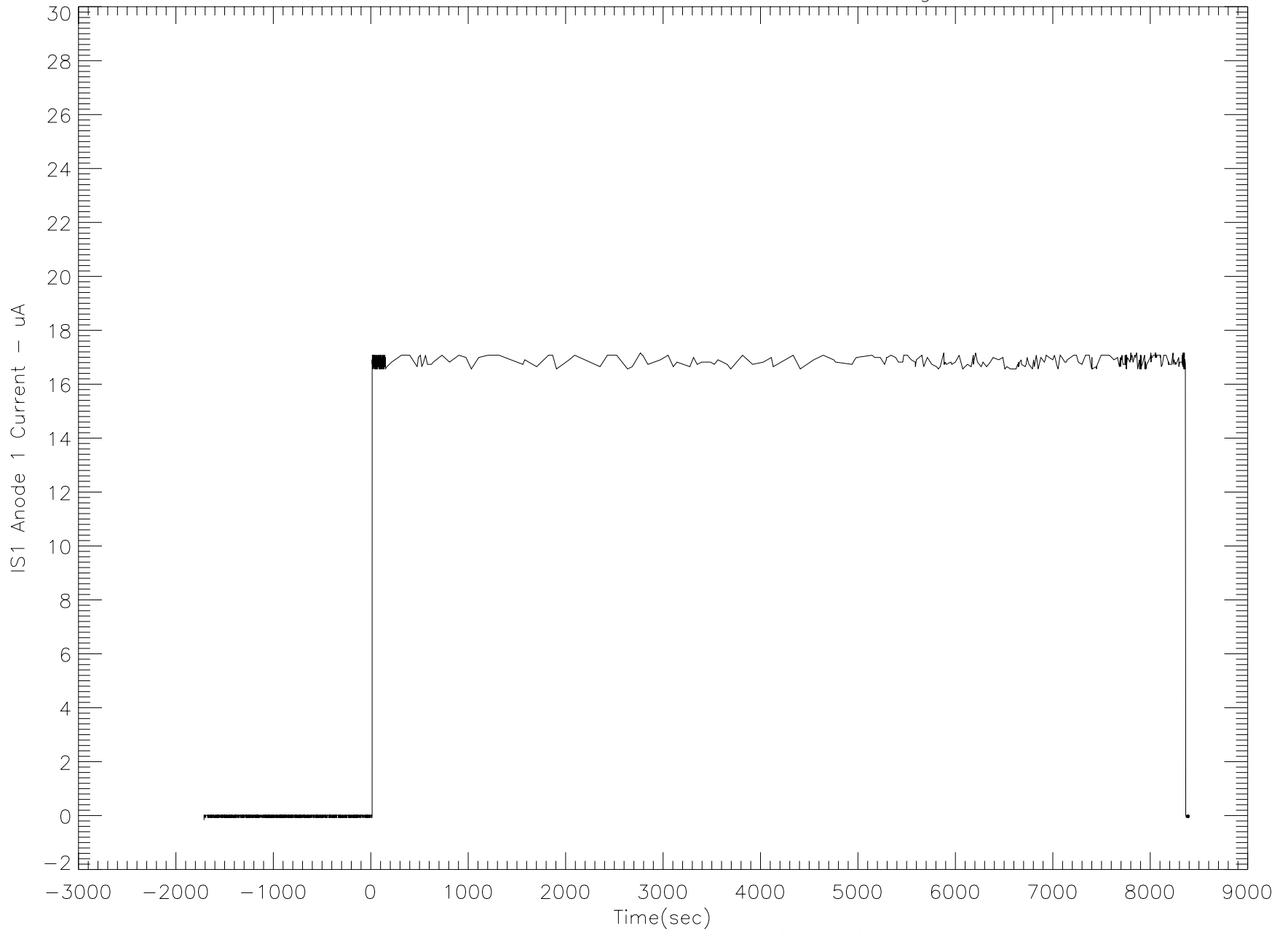
GCMS IdleA Data Value vs. Relative Time, Page 2



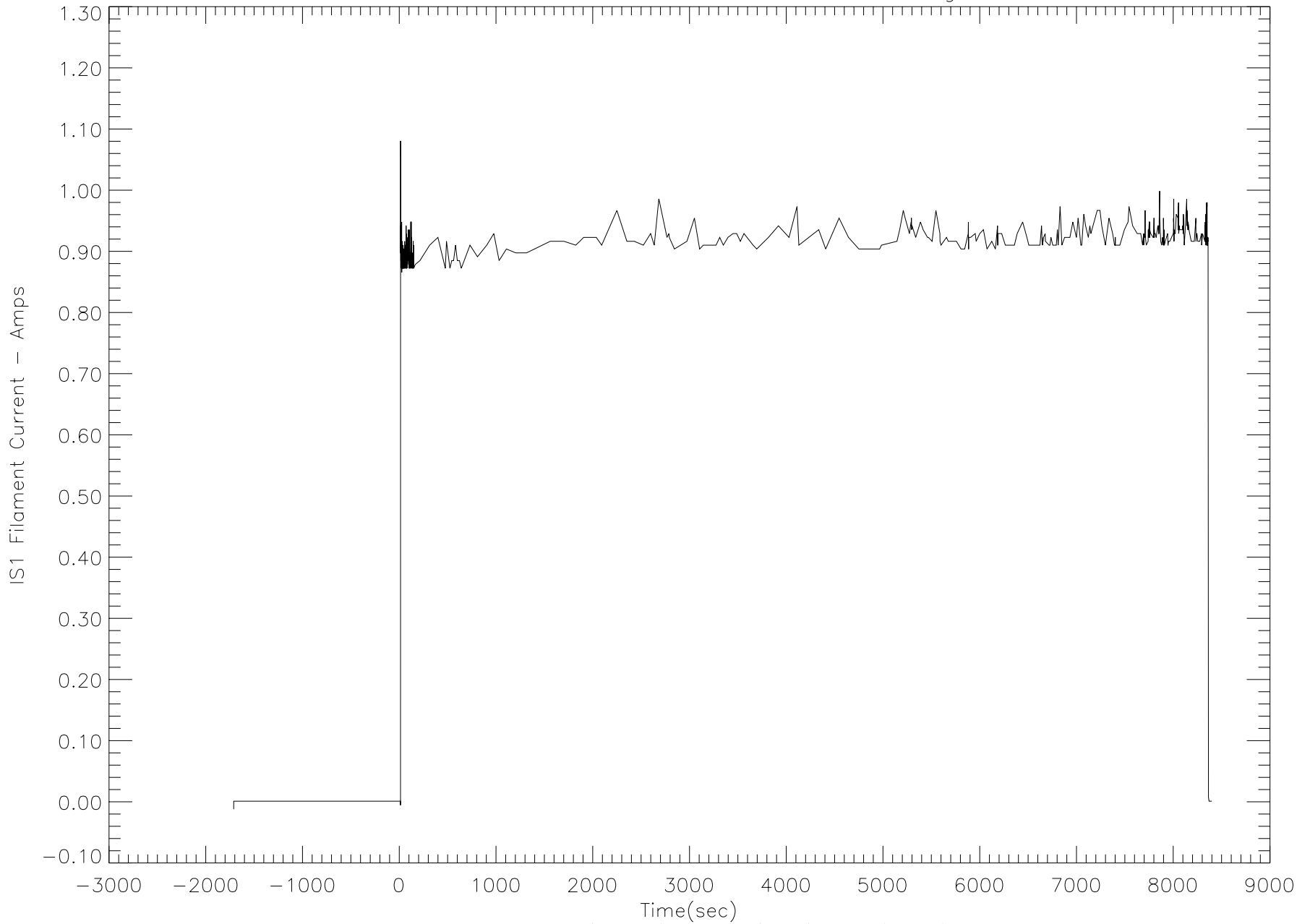
GCMS IdleA Data Value vs. Relative Time, Page 3



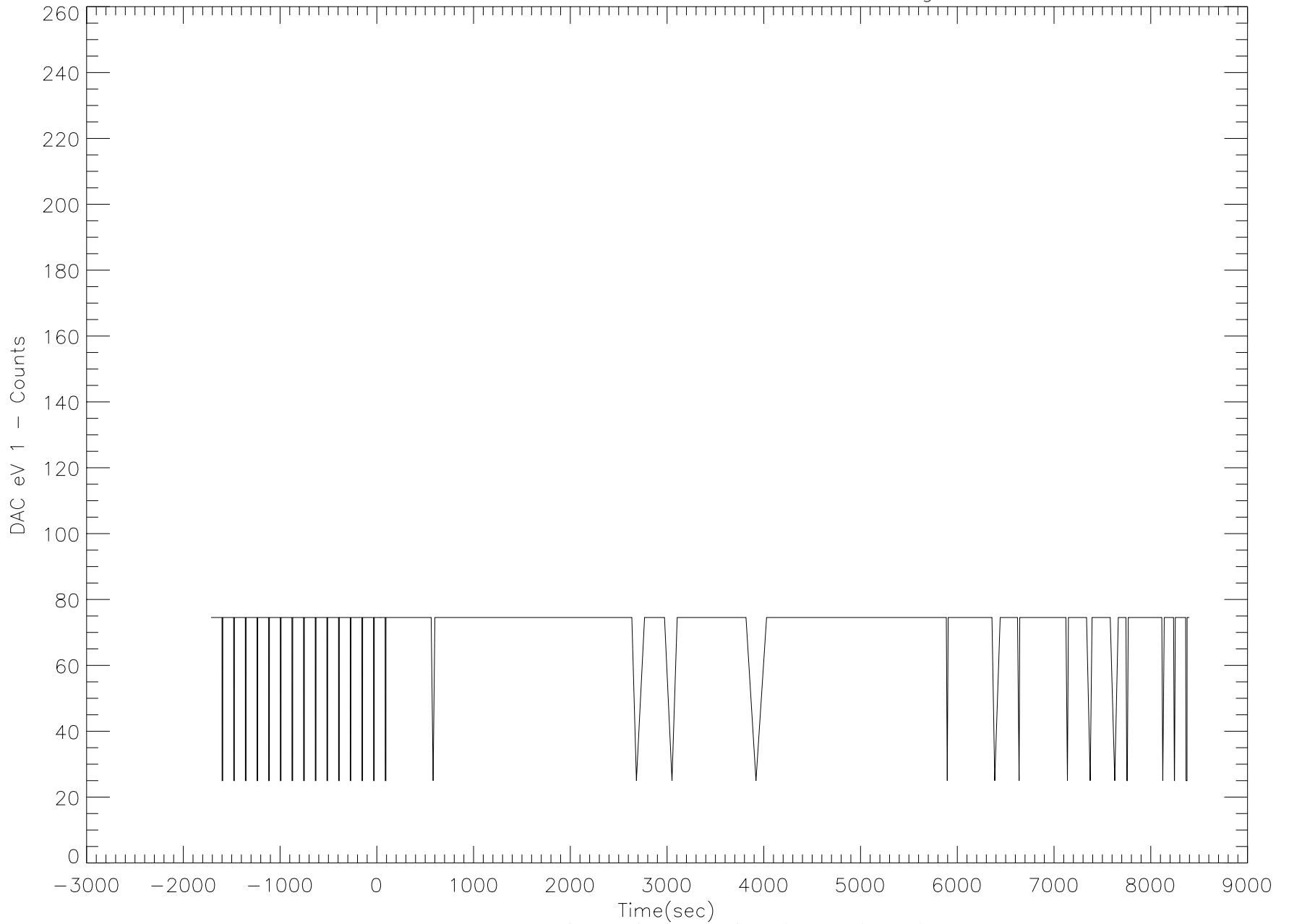
GCMS IdleA Data Value vs. Relative Time, Page 4



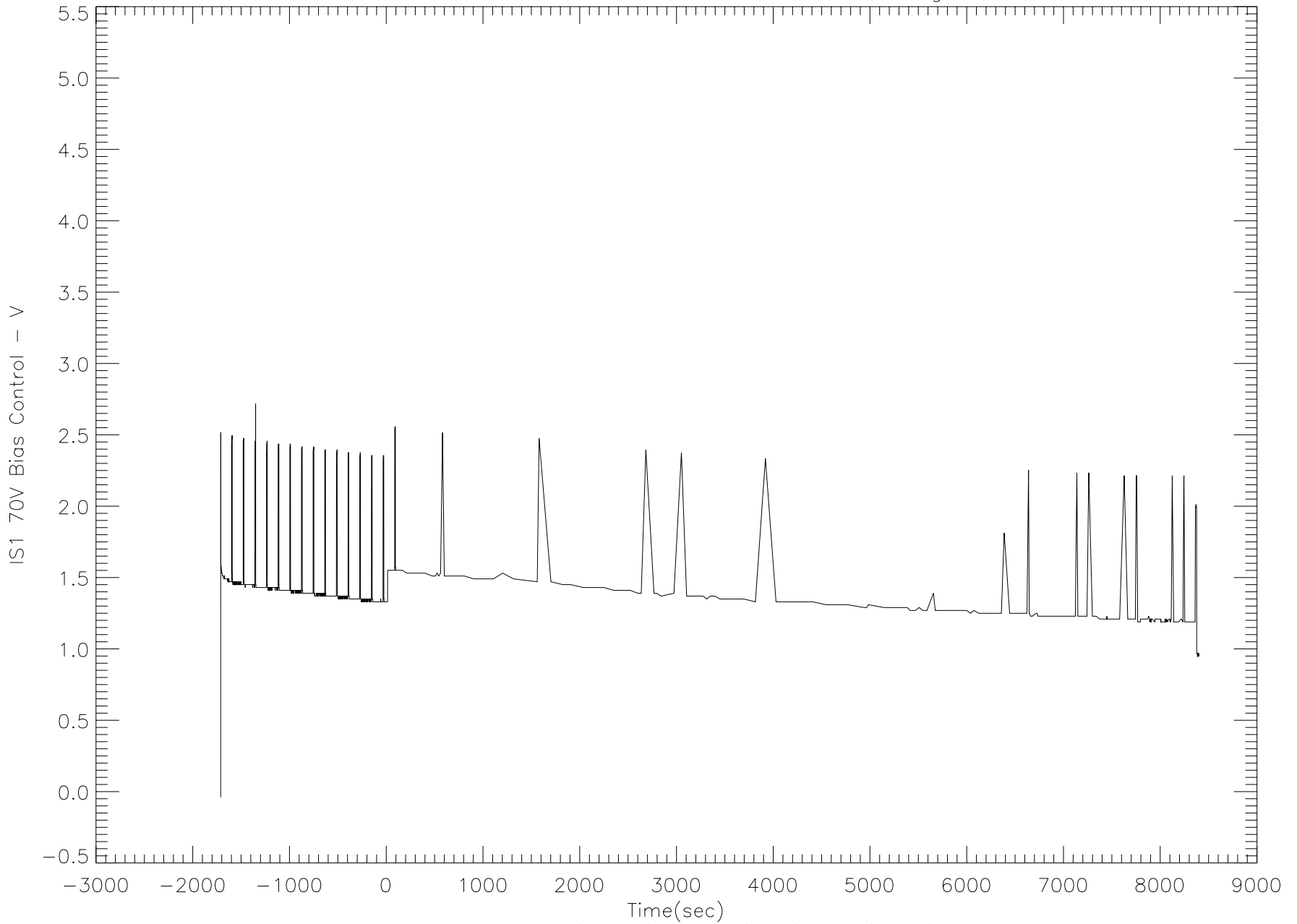
GCMS IdleA Data Value vs. Relative Time, Page 5



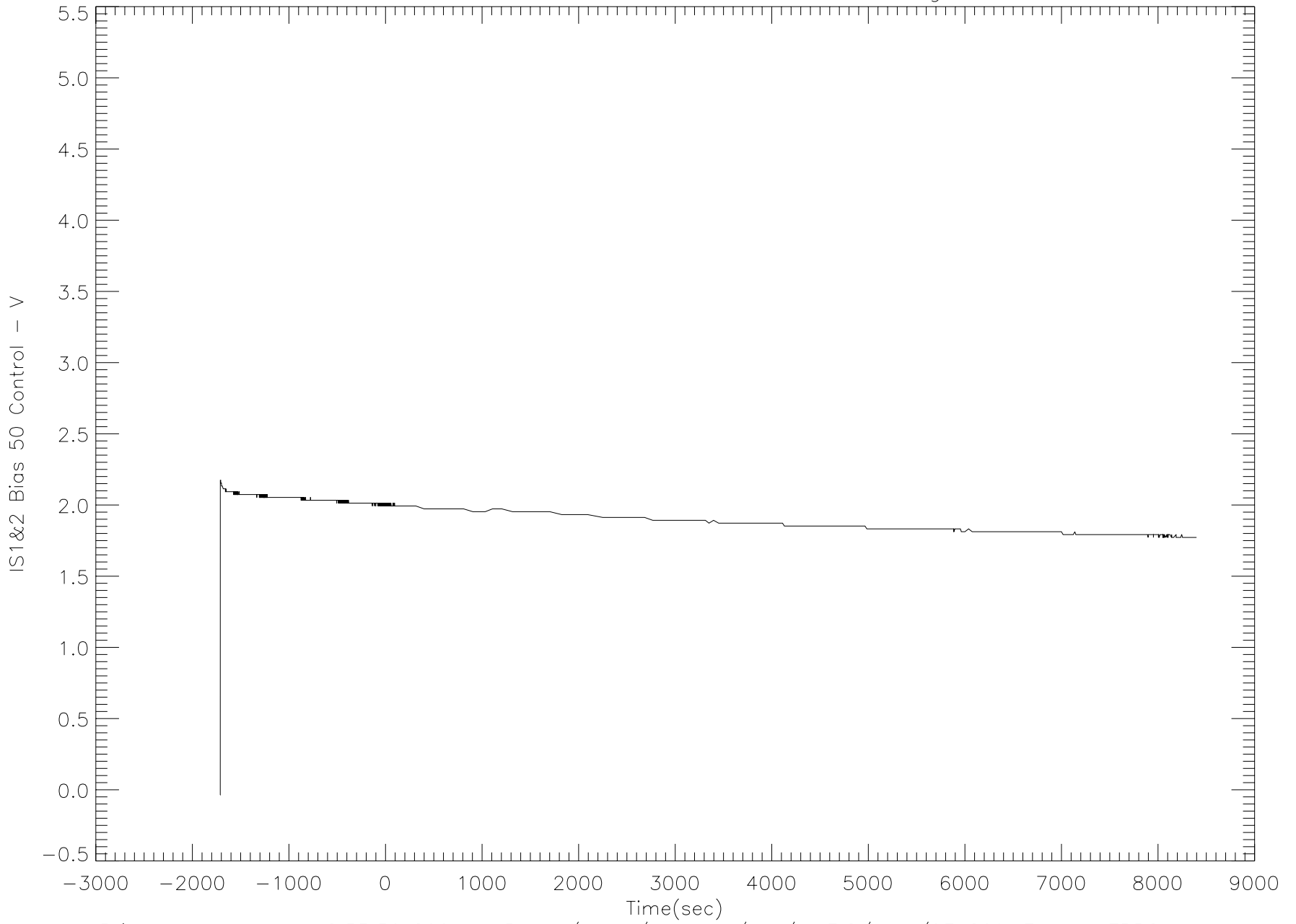
GCMS IdleA Data Value vs. Relative Time, Page 6



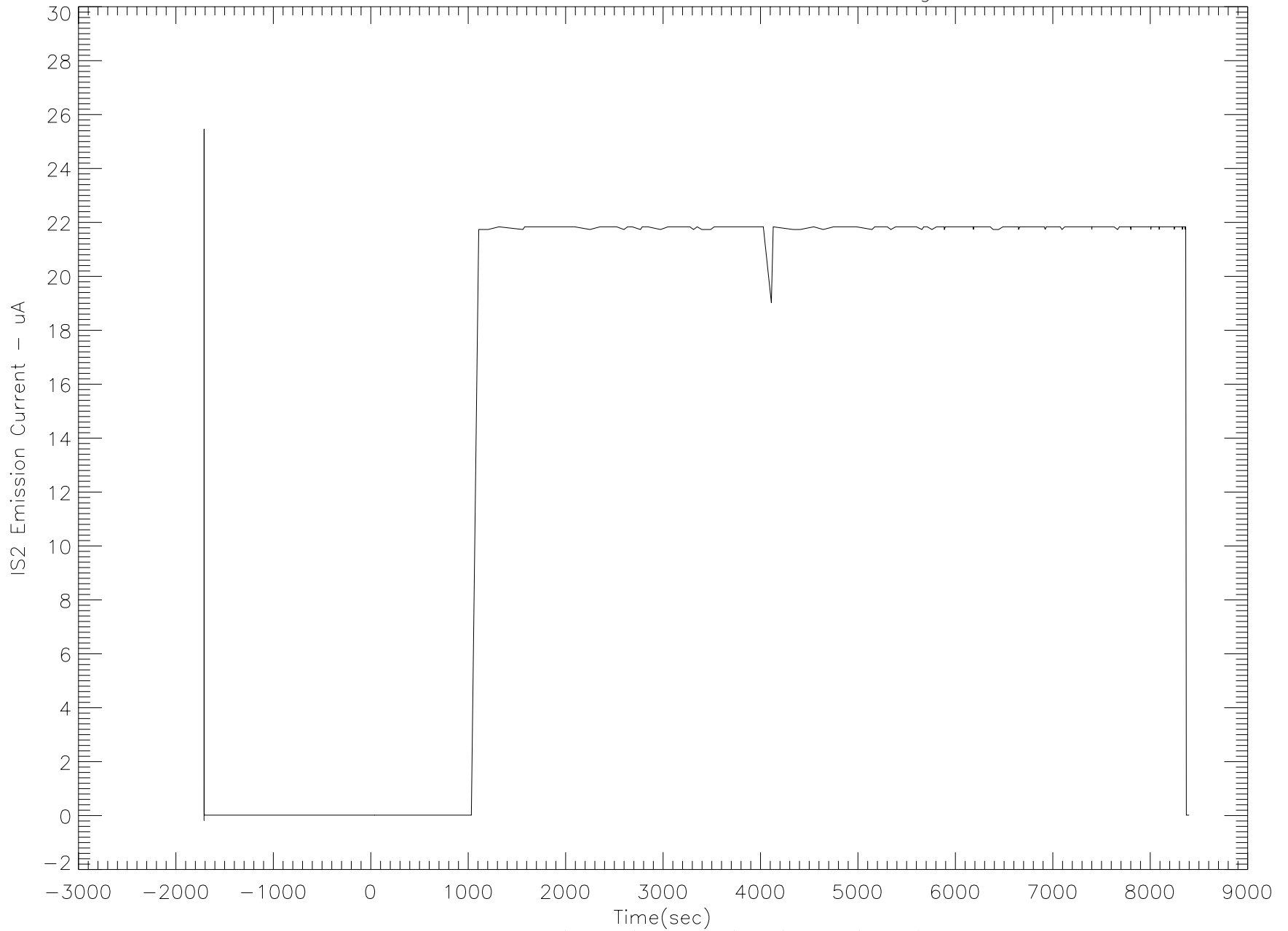
GCMS IdleA Data Value vs. Relative Time, Page 7



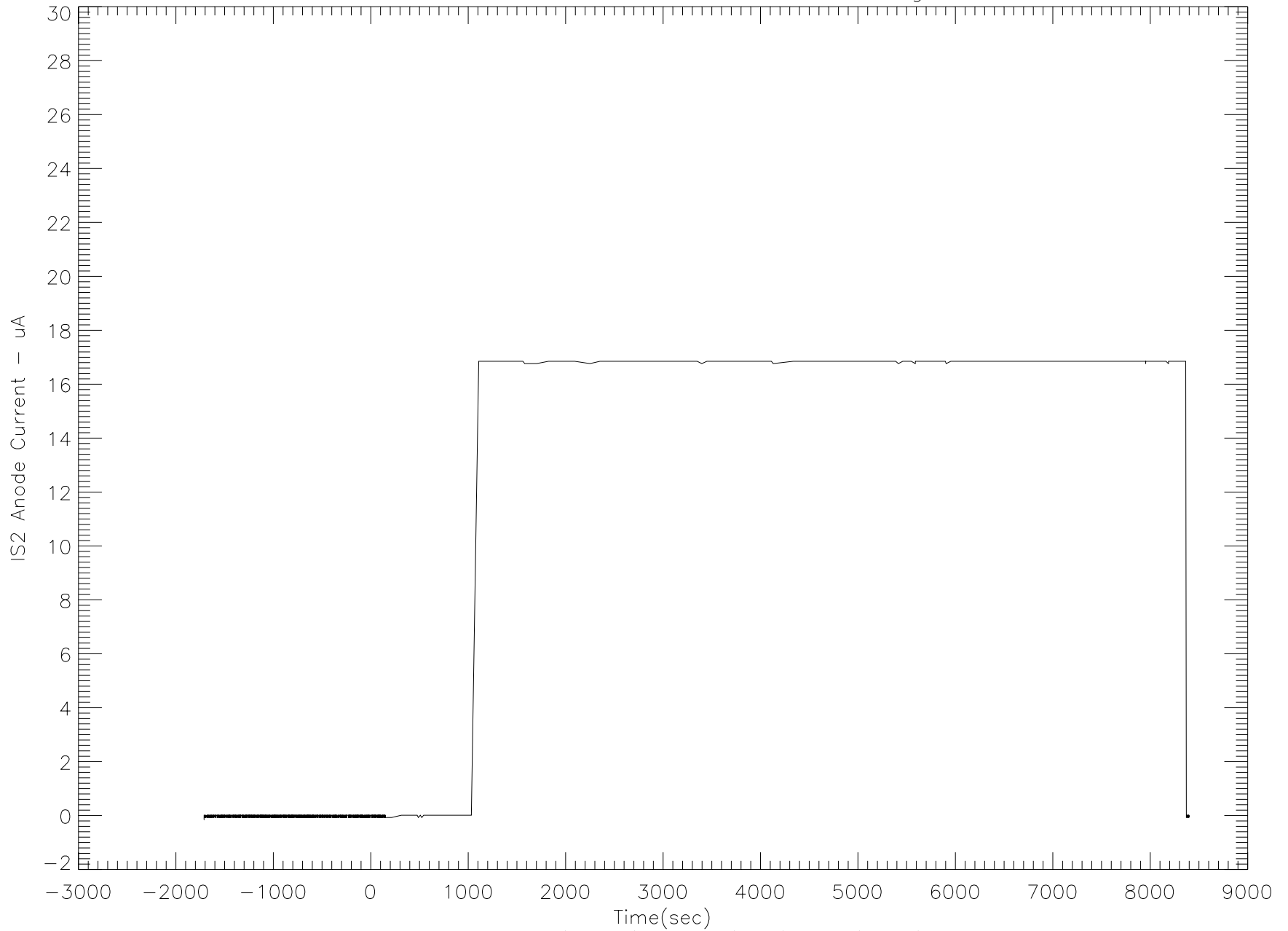
GCMS IdleA Data Value vs. Relative Time, Page 8



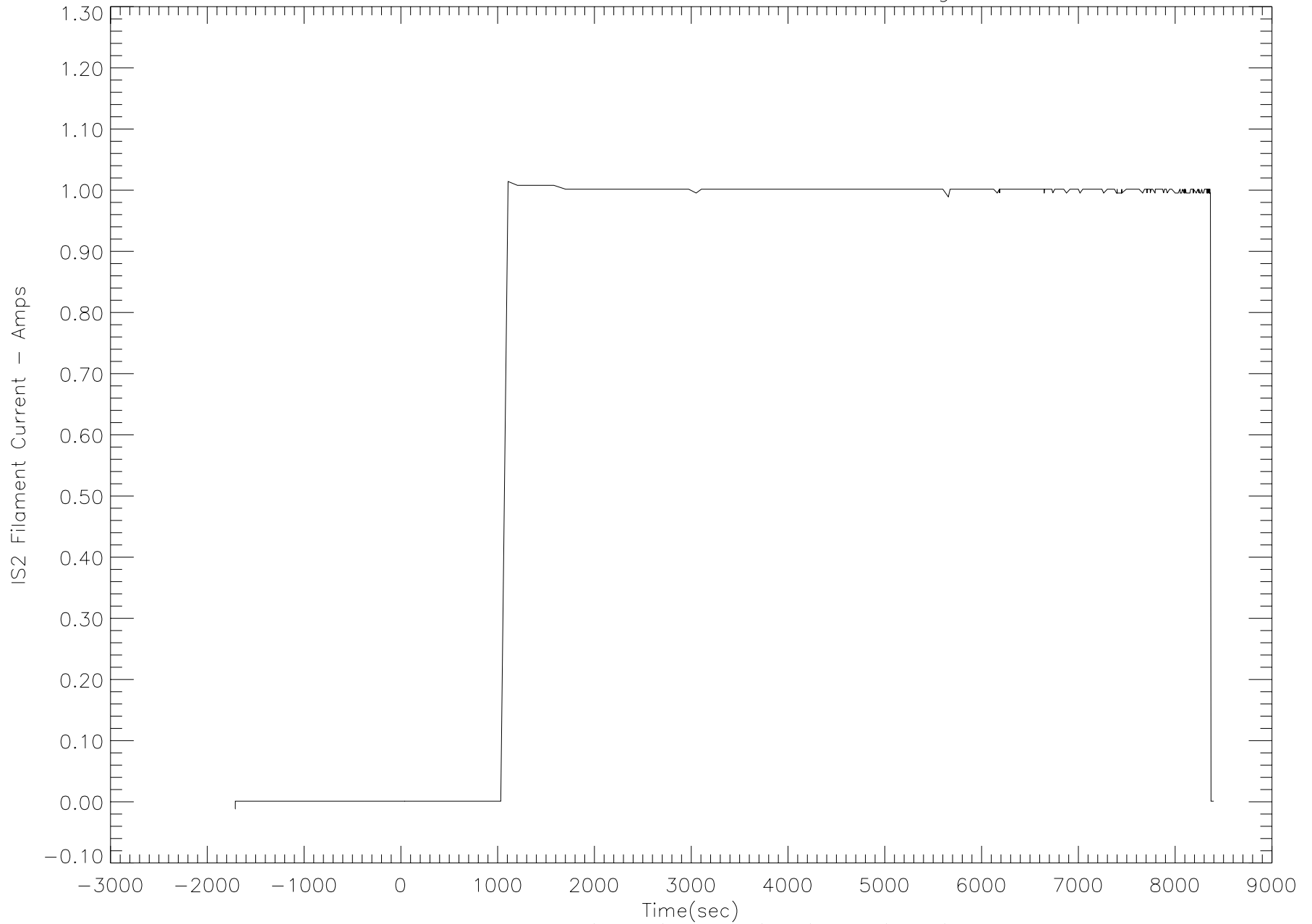
GCMS IdleA Data Value vs. Relative Time, Page 9



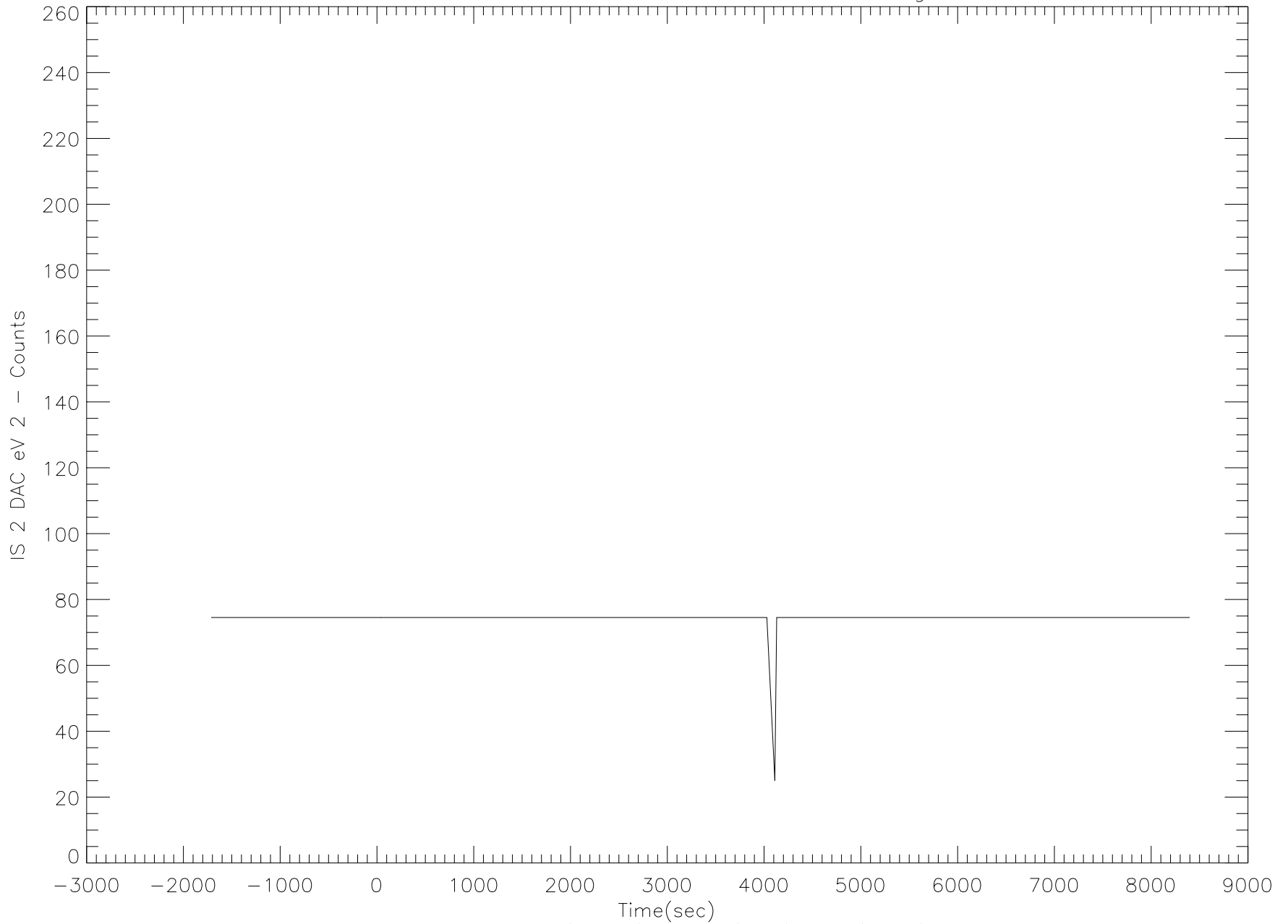
GCMS IdleA Data Value vs. Relative Time, Page 10



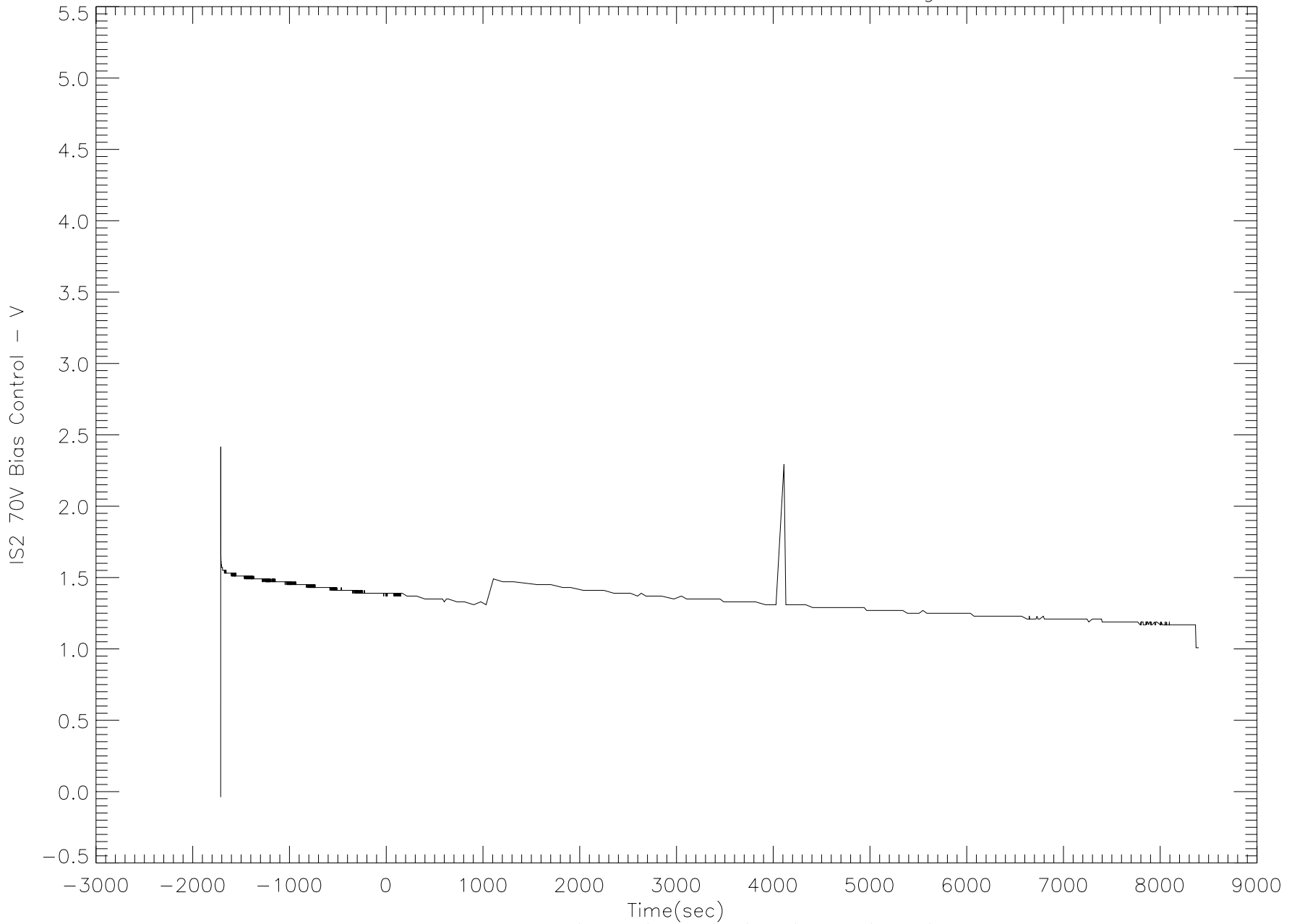
GCMS IdleA Data Value vs. Relative Time, Page 11



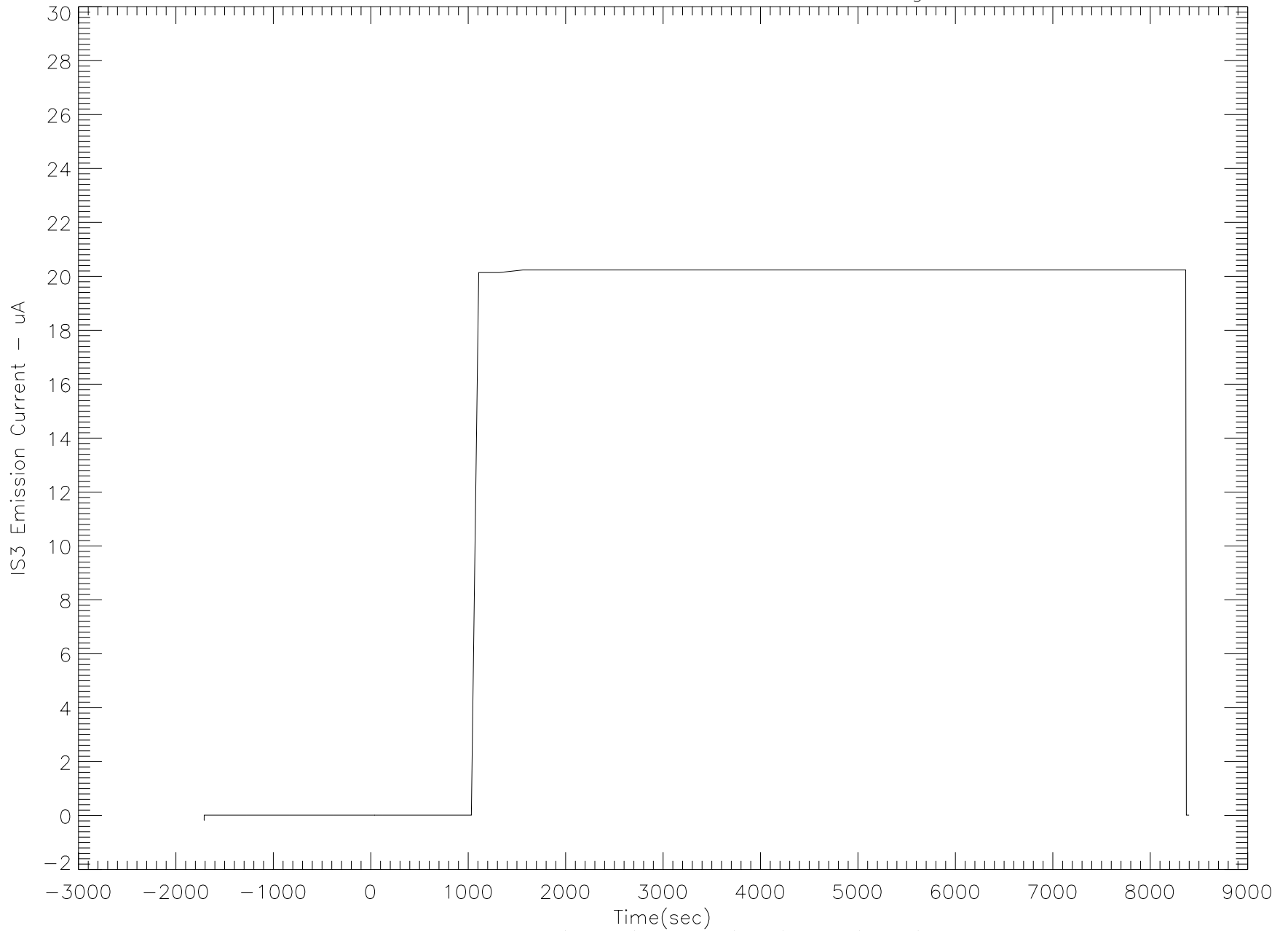
GCMS IdleA Data Value vs. Relative Time, Page 12



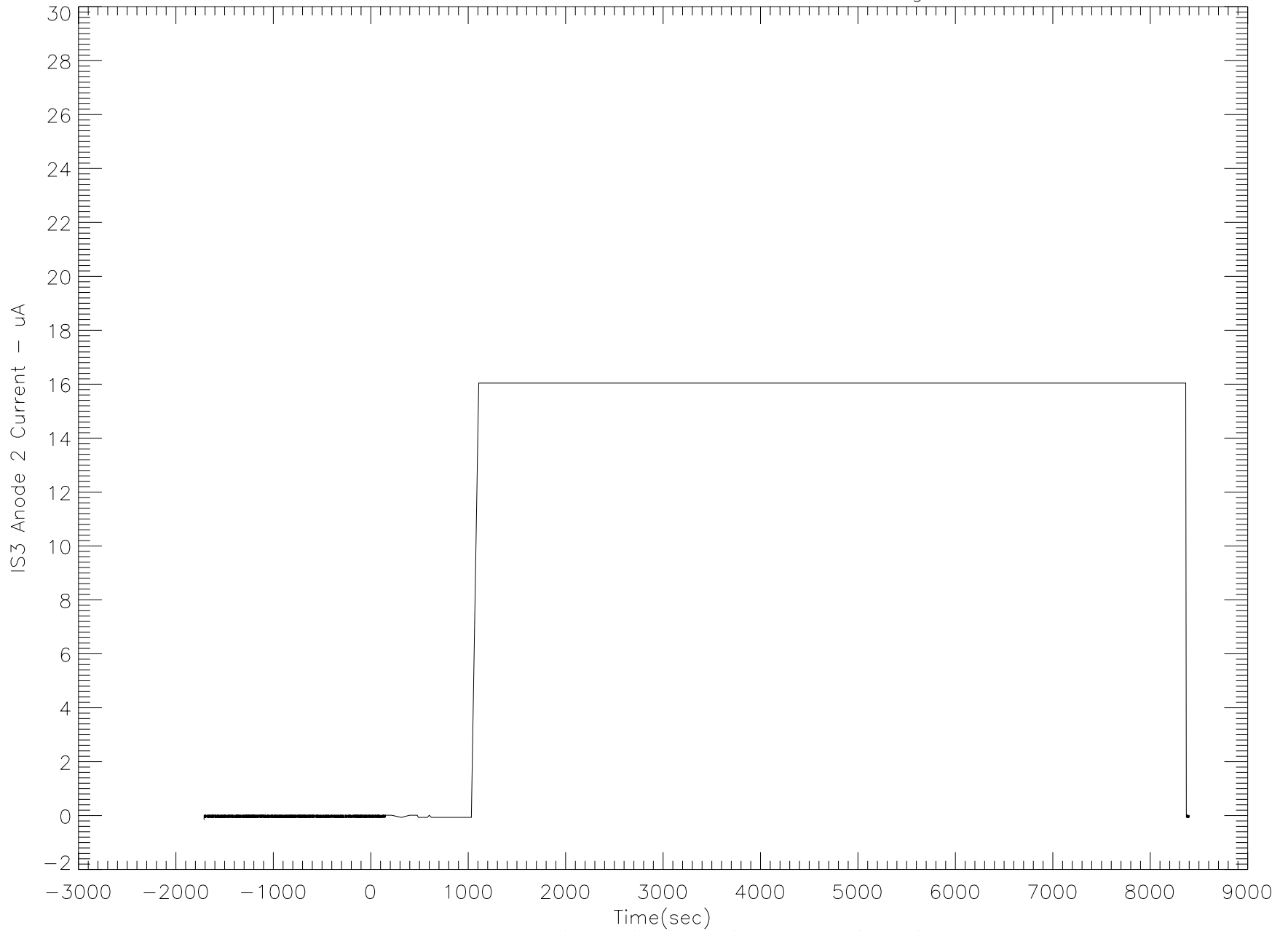
GCMS IdleA Data Value vs. Relative Time, Page 13



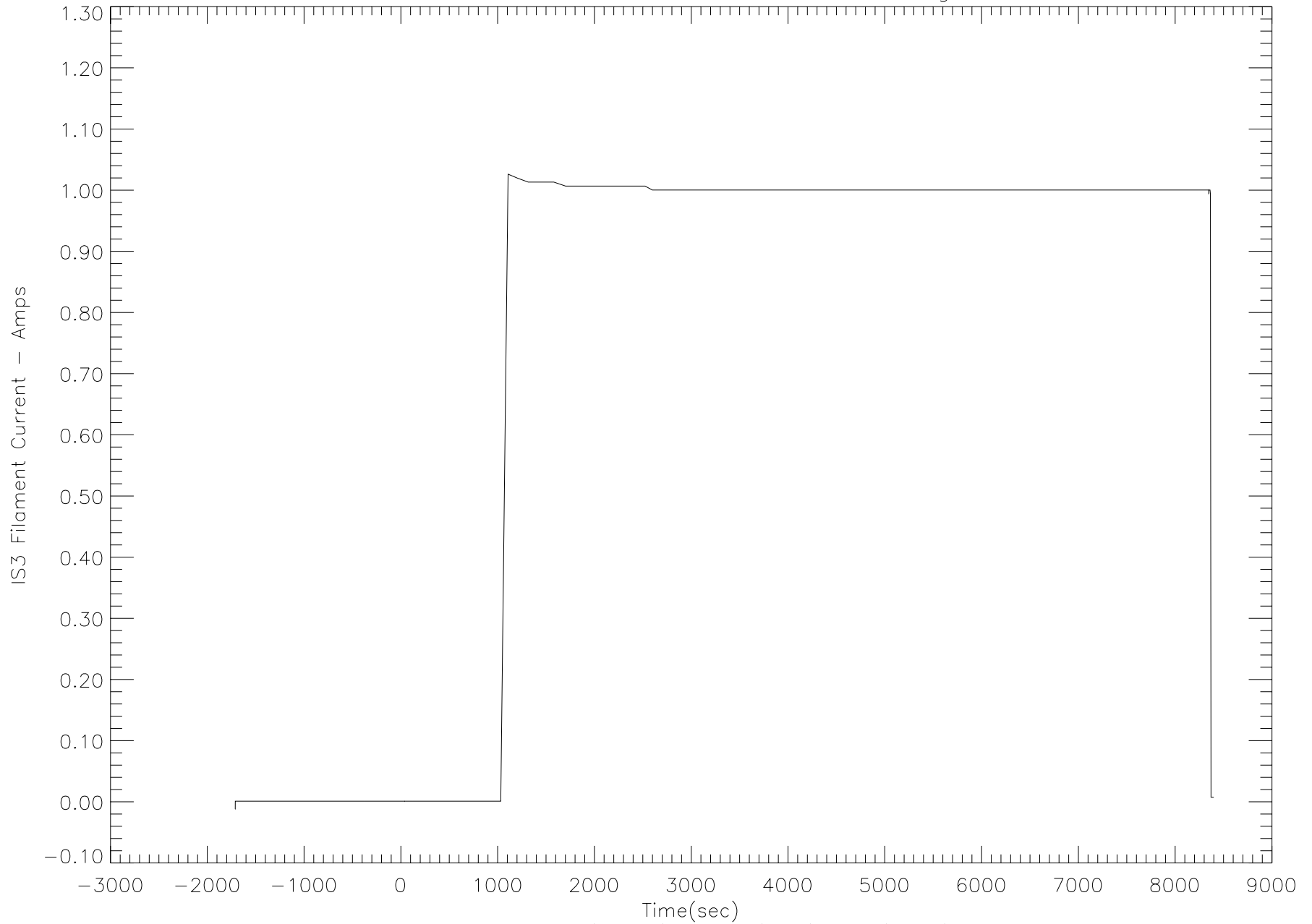
GCMS IdleA Data Value vs. Relative Time, Page 14



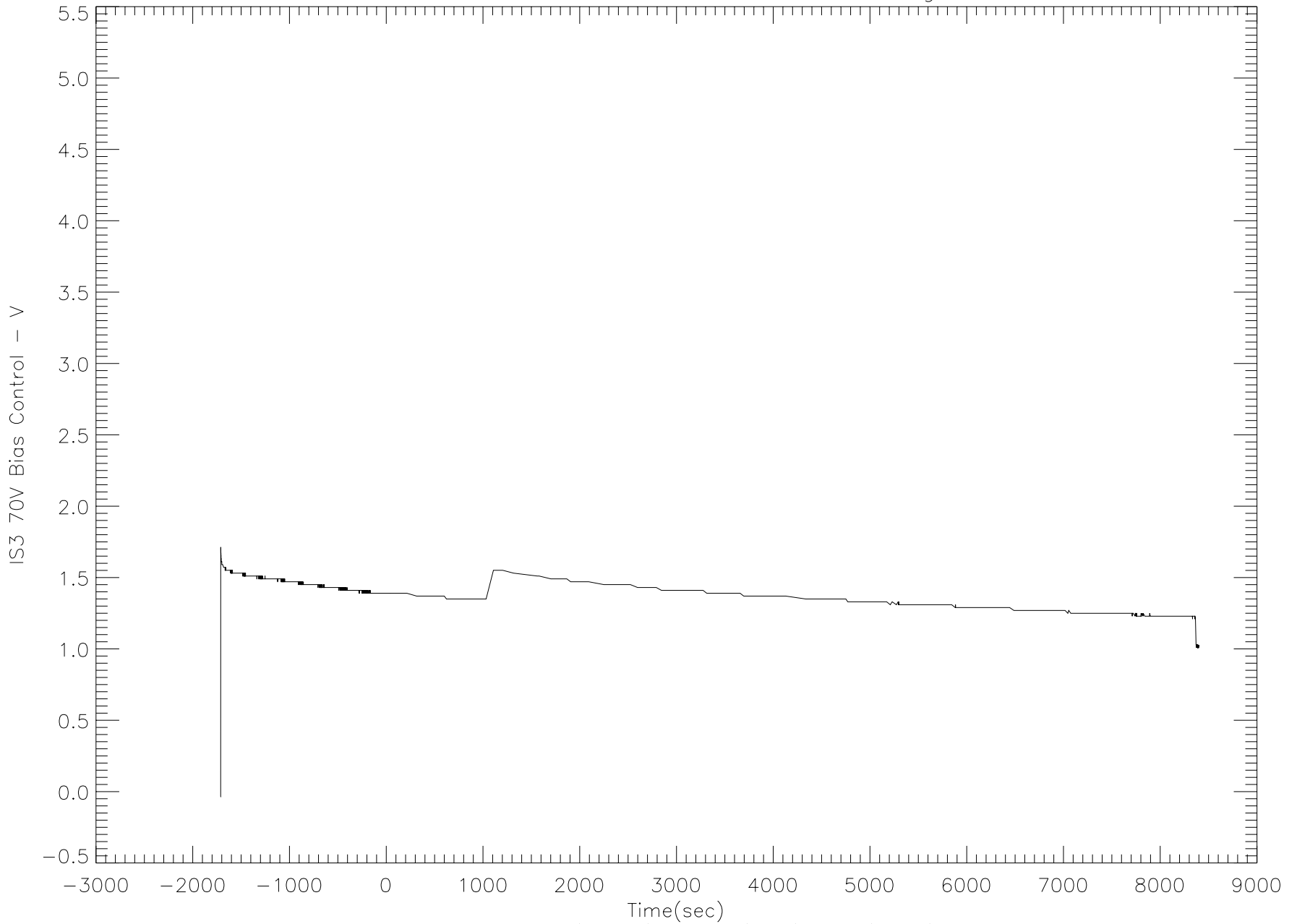
GCMS IdleA Data Value vs. Relative Time, Page 15



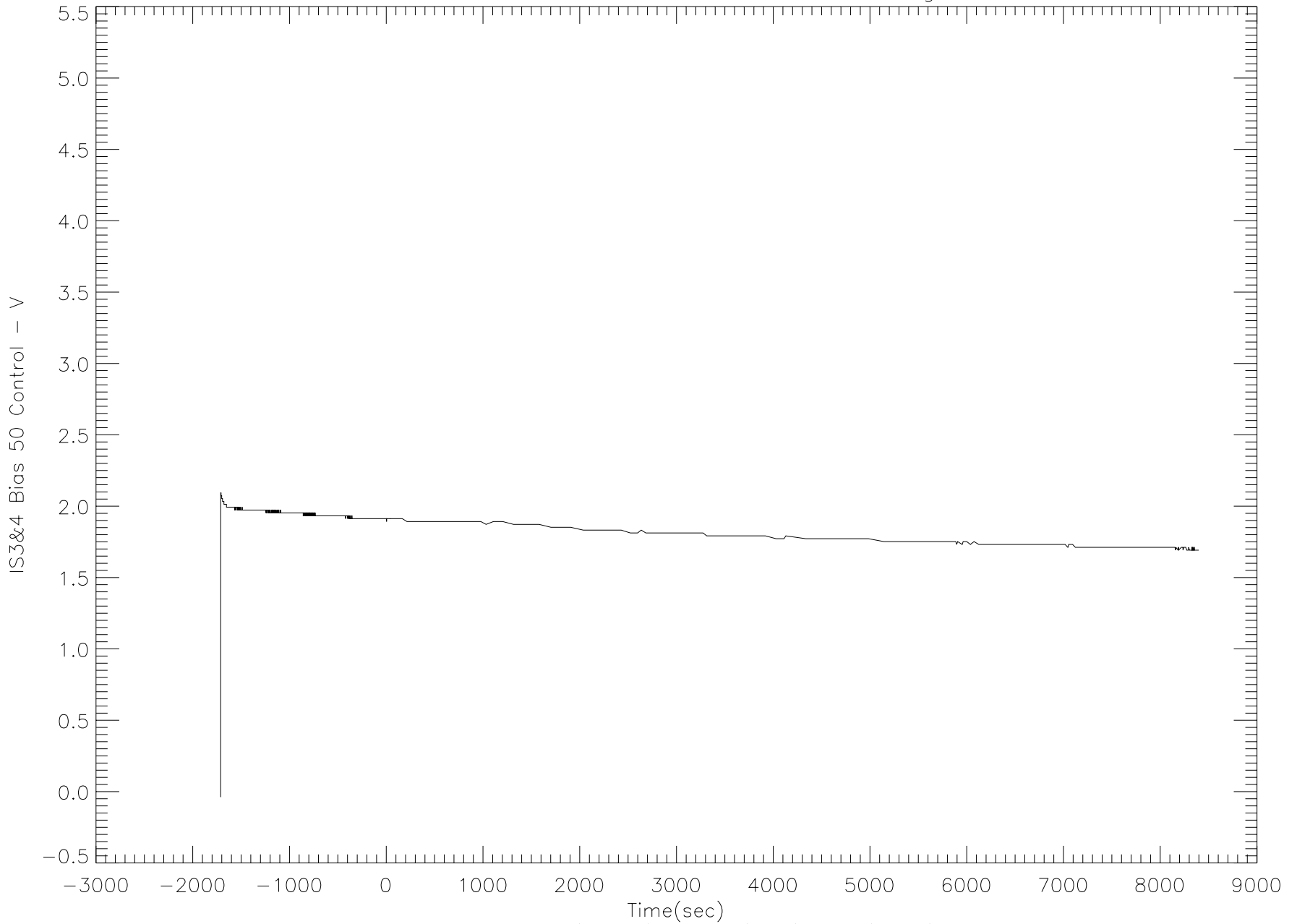
GCMS IdleA Data Value vs. Relative Time, Page 16



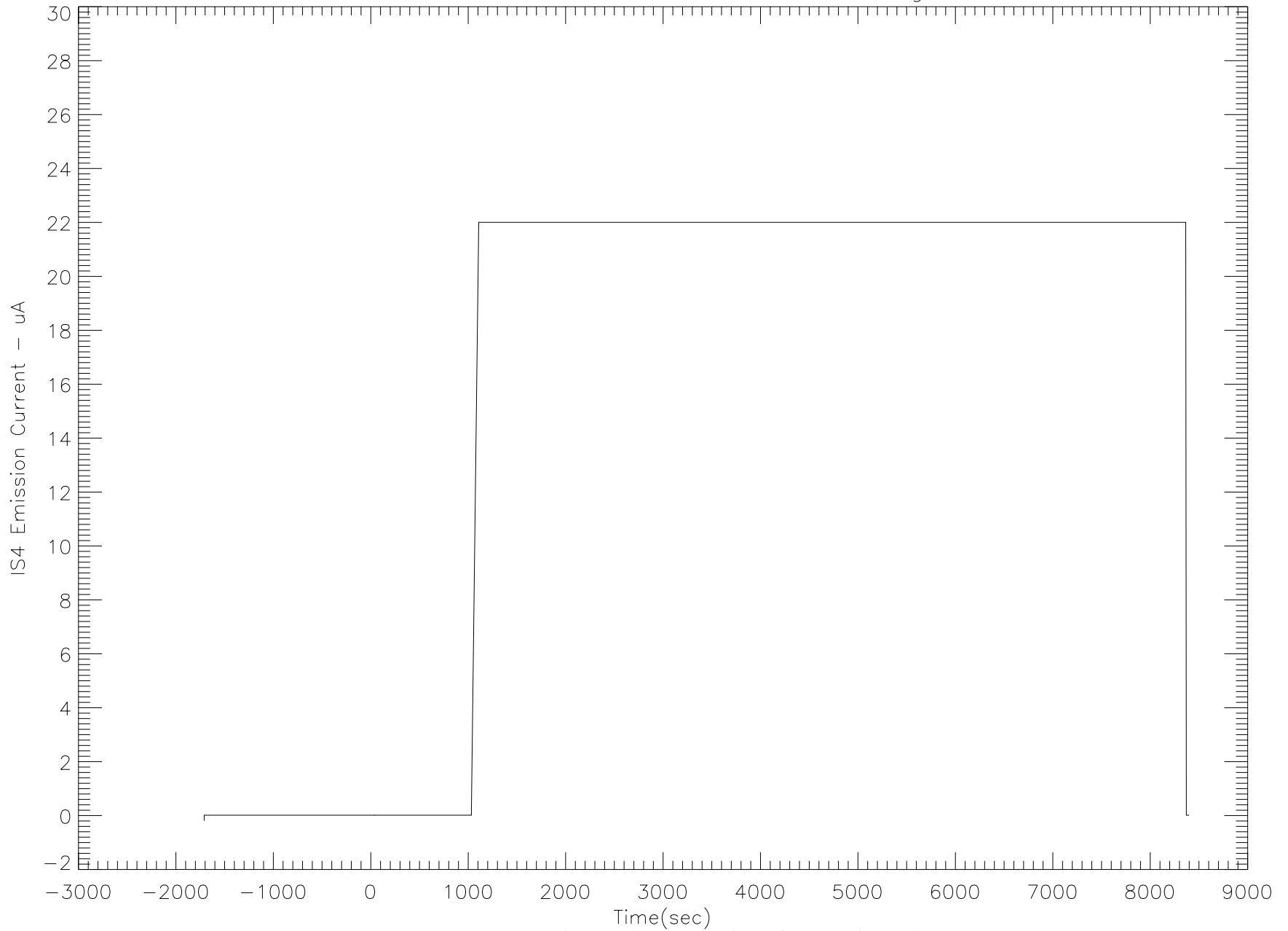
GCMS IdleA Data Value vs. Relative Time, Page 17



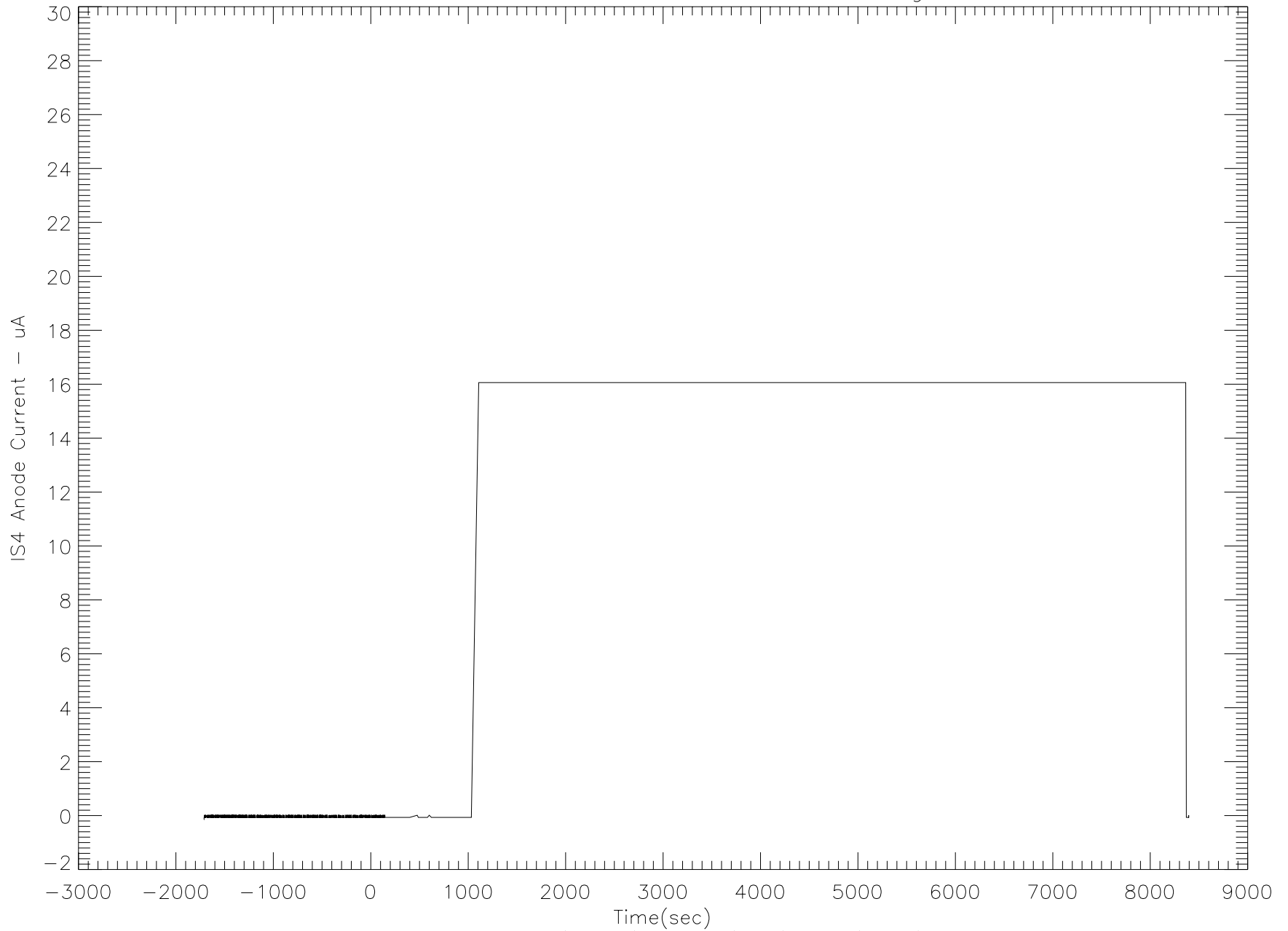
GCMS IdleA Data Value vs. Relative Time, Page 18



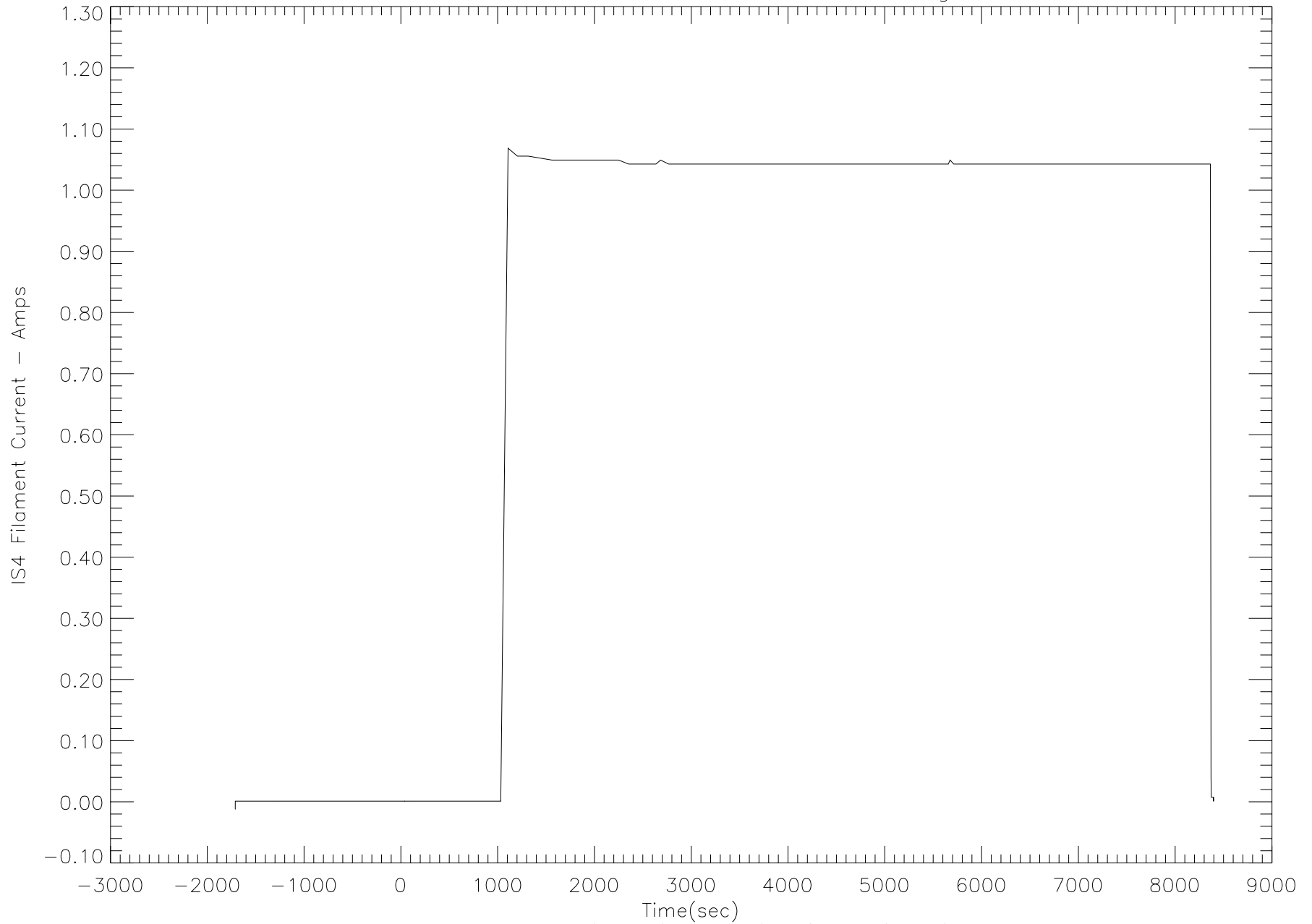
GCMS IdleA Data Value vs. Relative Time, Page 19



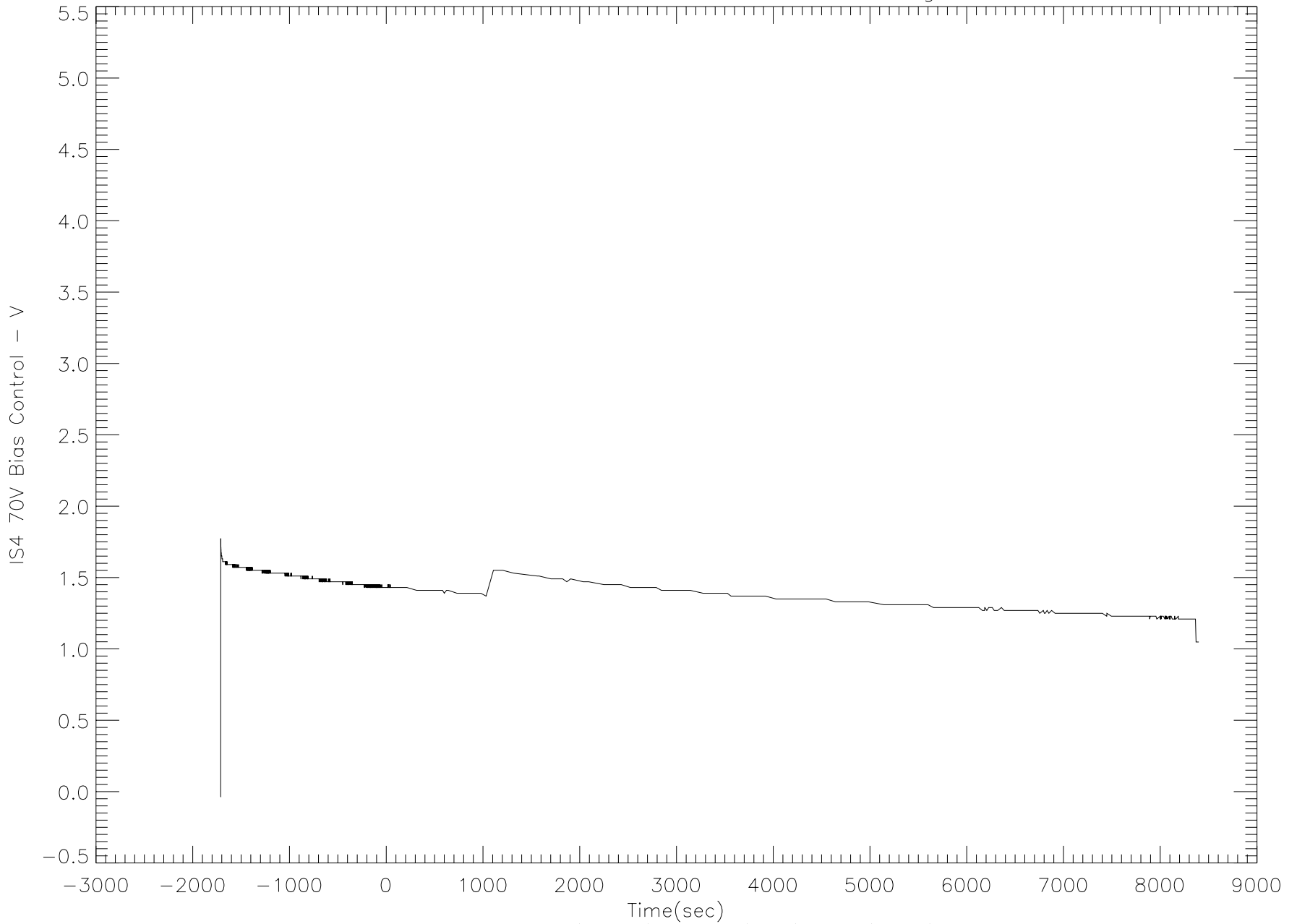
GCMS IdleA Data Value vs. Relative Time, Page 20



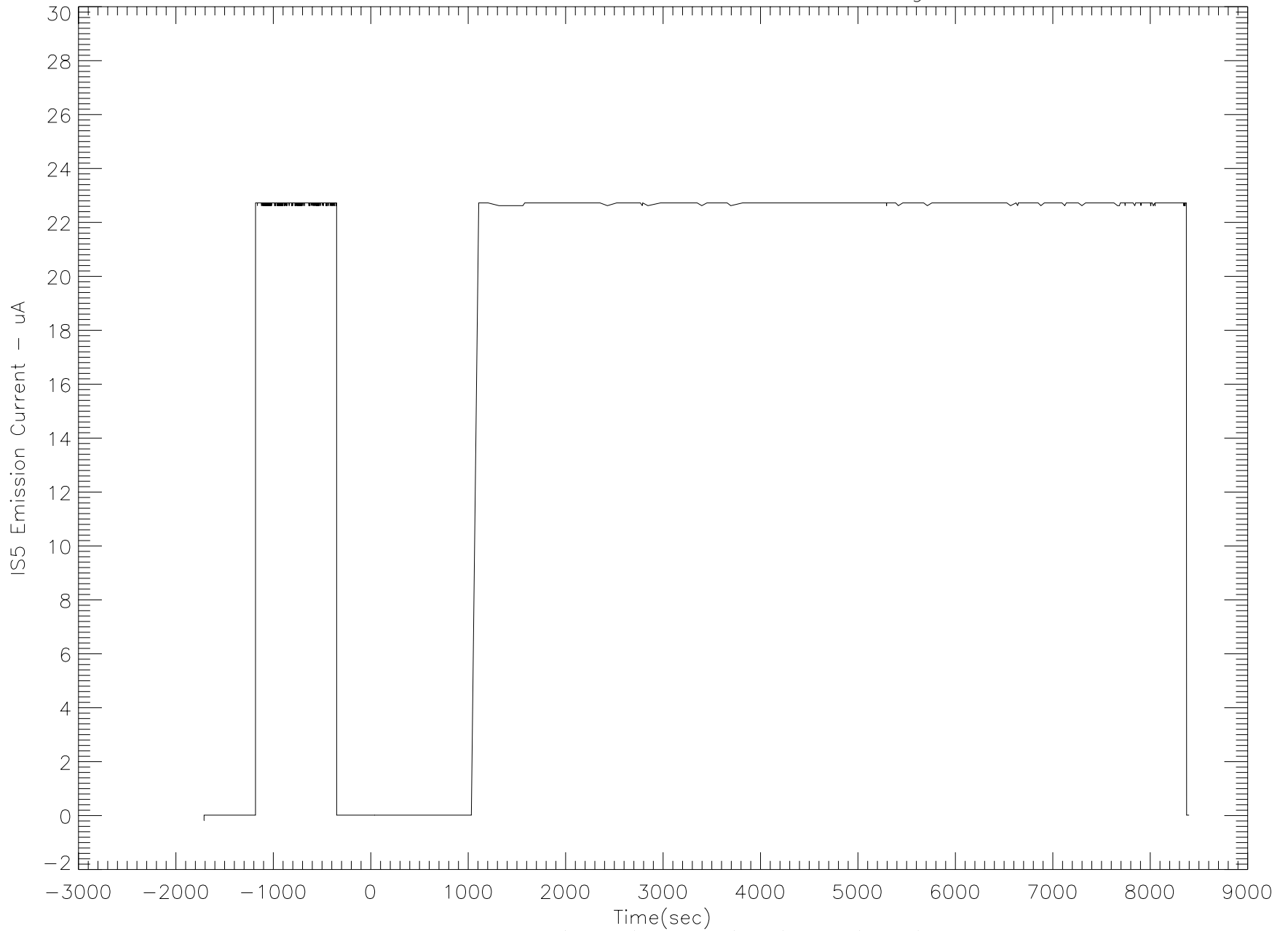
GCMS IdleA Data Value vs. Relative Time, Page 21



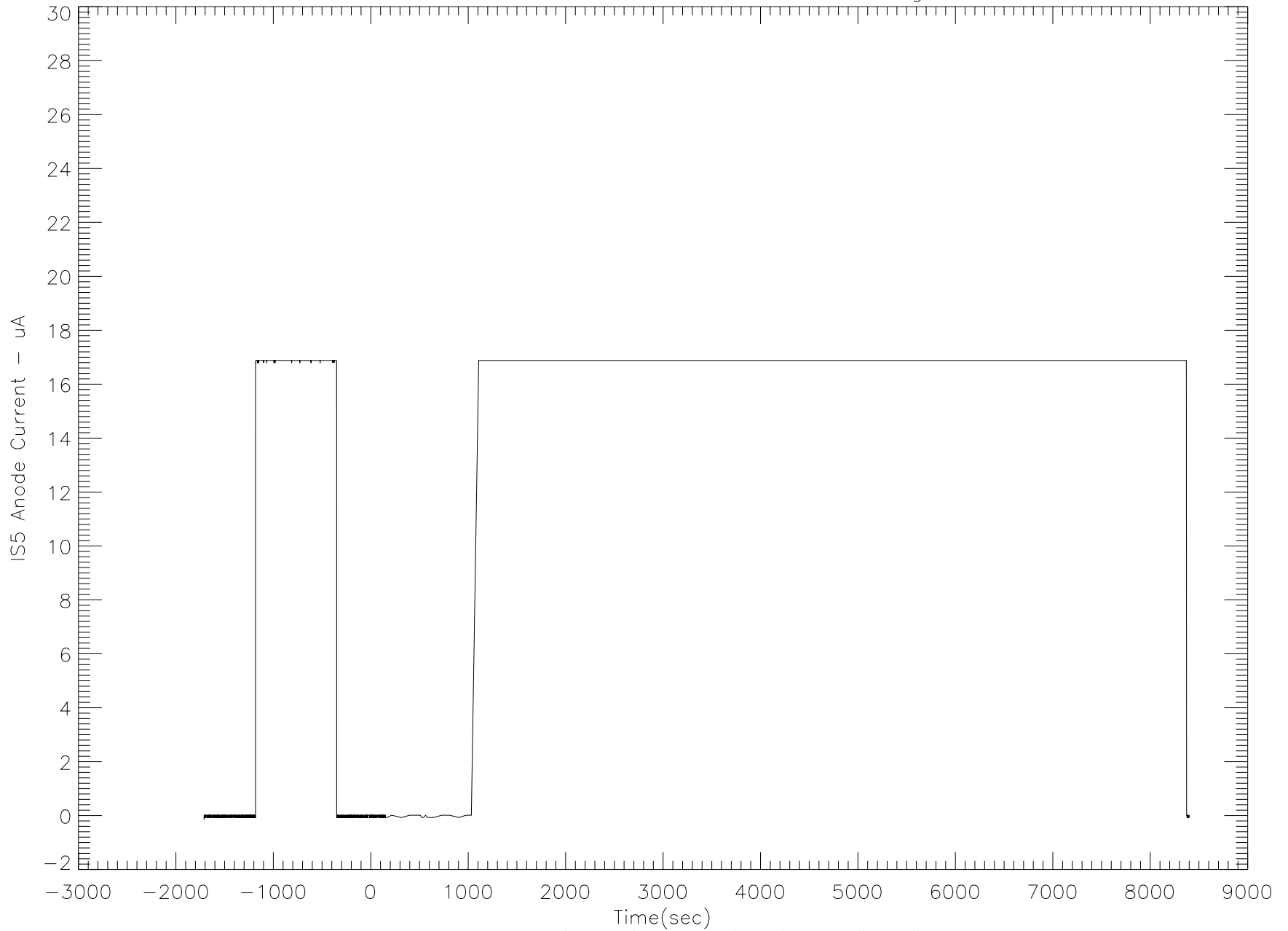
GCMS IdleA Data Value vs. Relative Time, Page 22



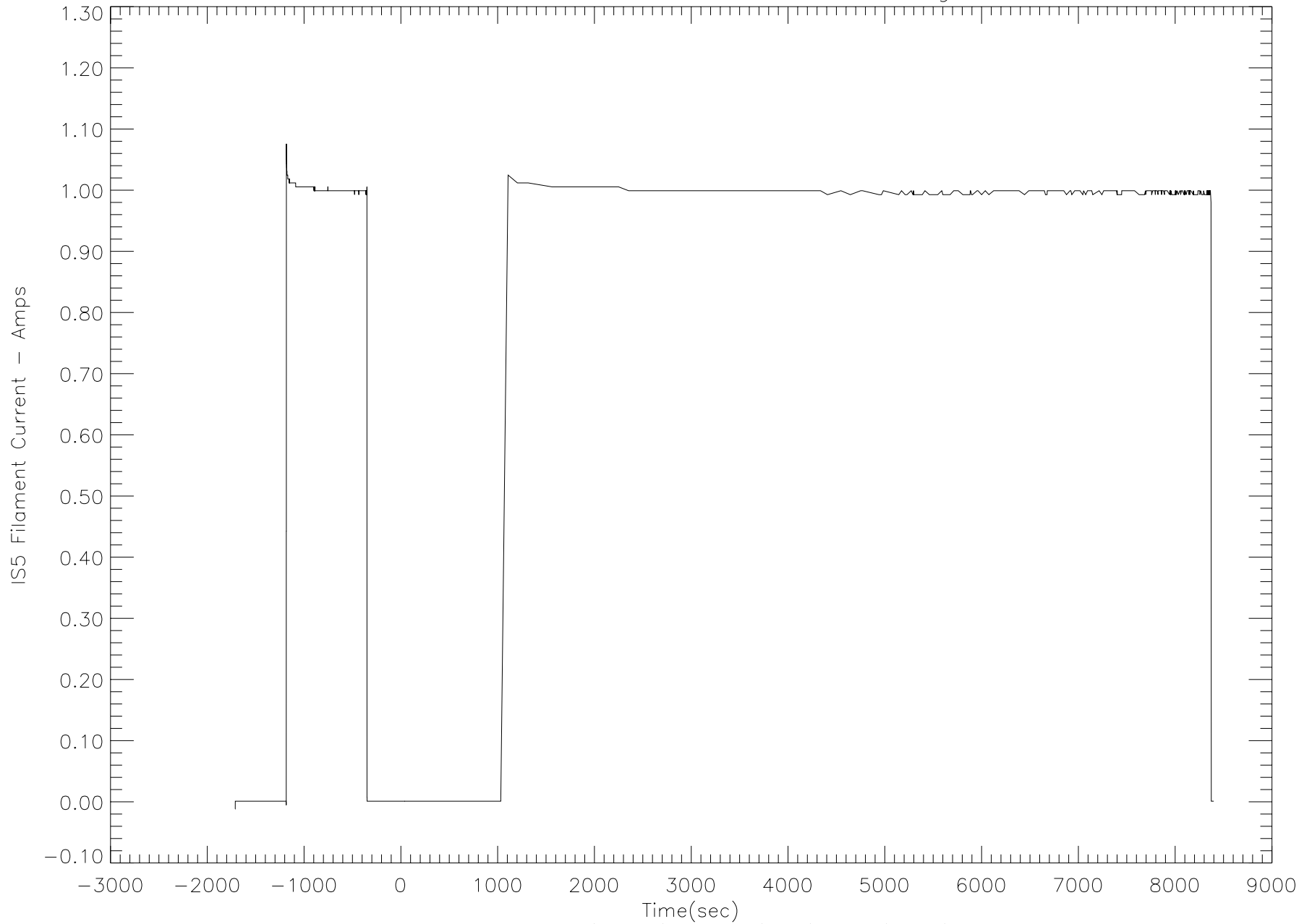
GCMS IdleA Data Value vs. Relative Time, Page 23



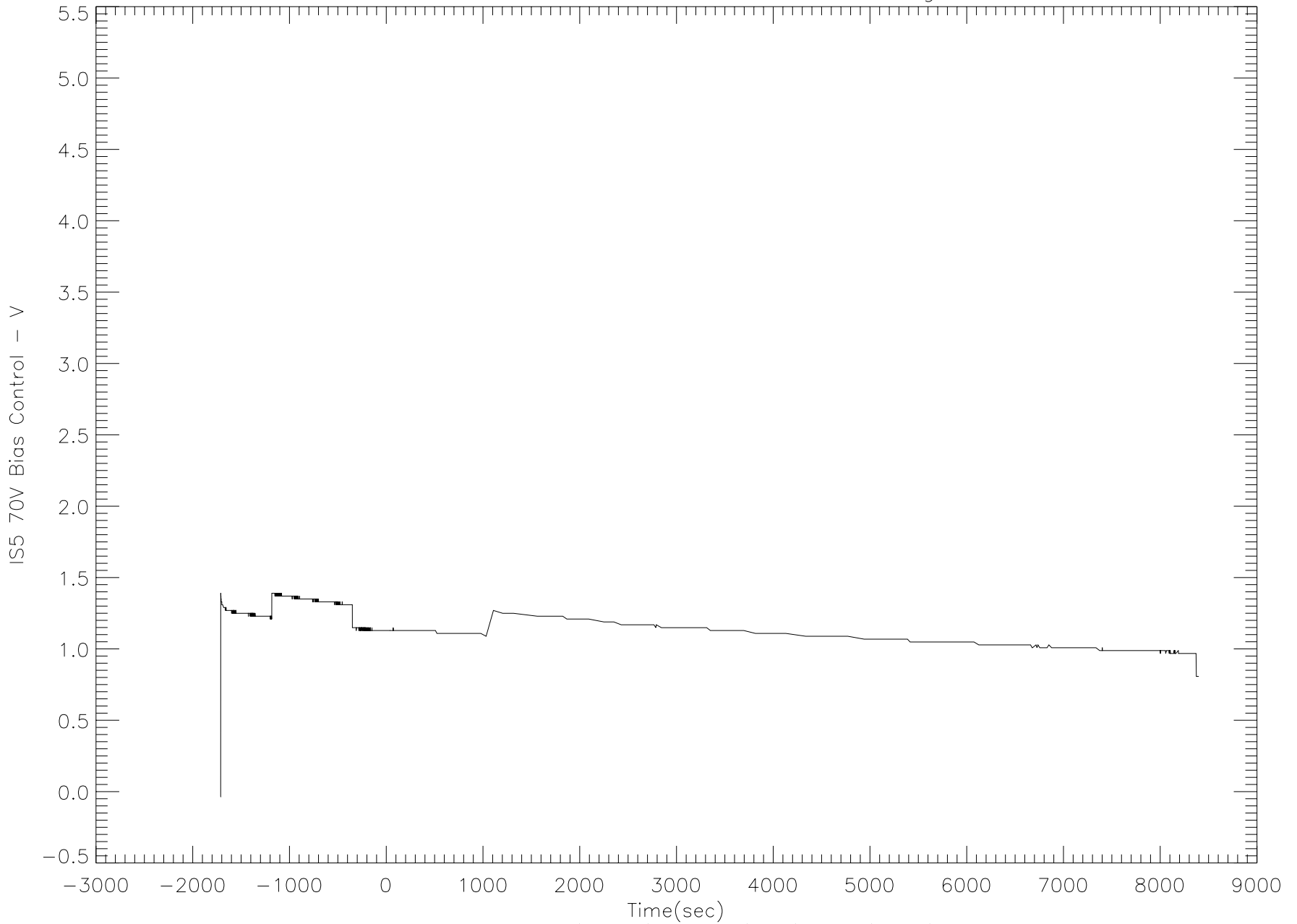
GCMS IdleA Data Value vs. Relative Time, Page 24



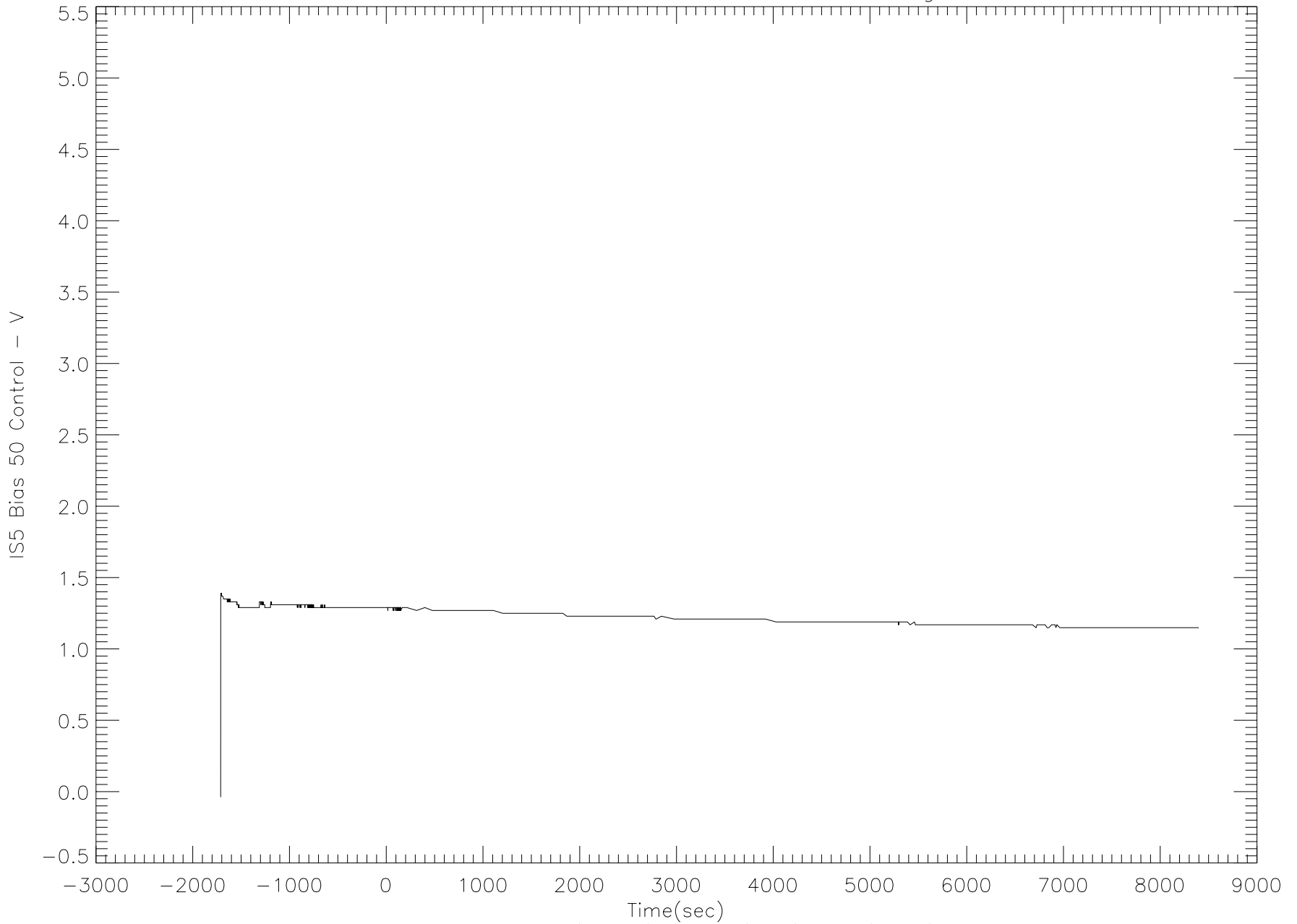
GCMS IdleA Data Value vs. Relative Time, Page 25



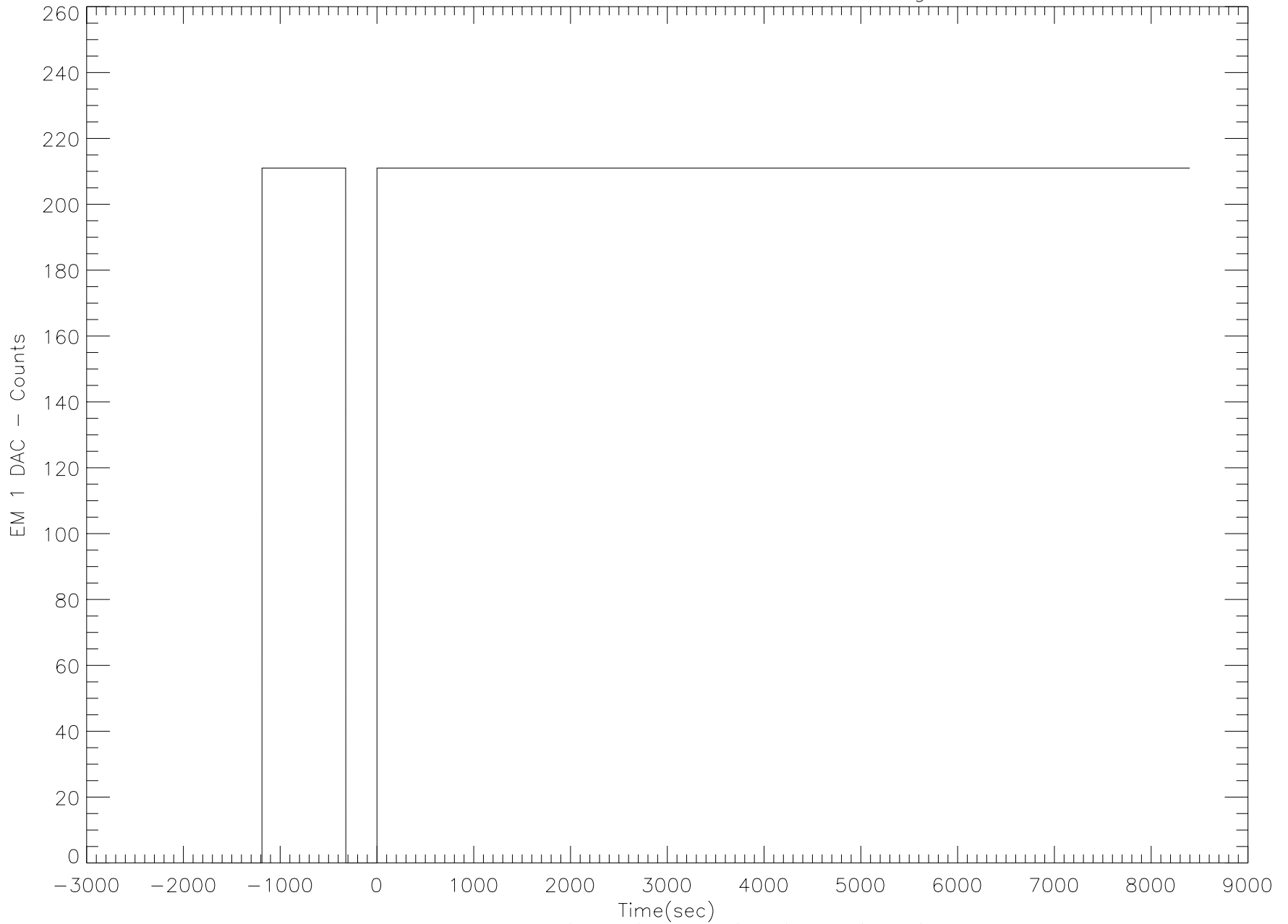
GCMS IdleA Data Value vs. Relative Time, Page 26



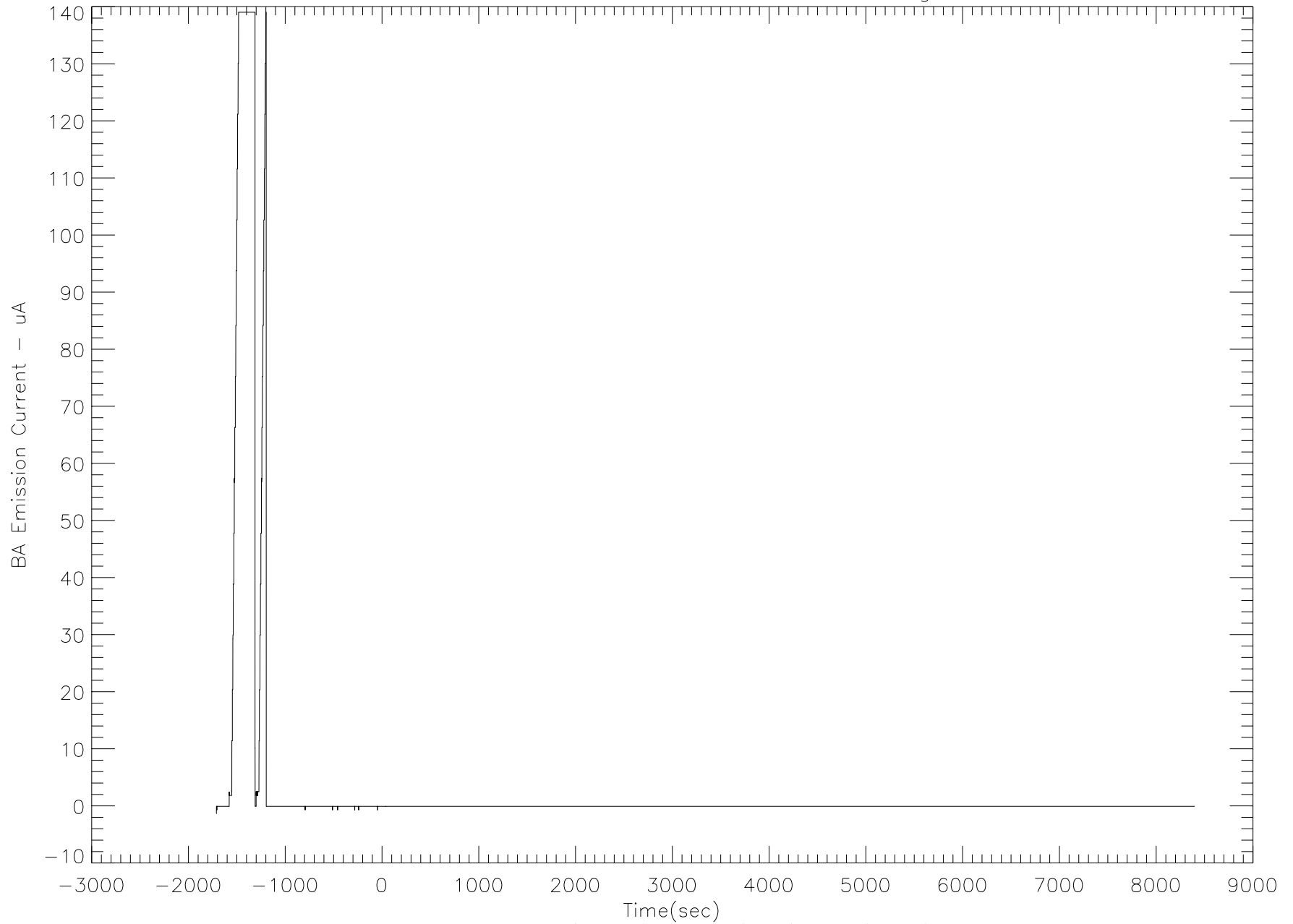
GCMS IdleA Data Value vs. Relative Time, Page 27



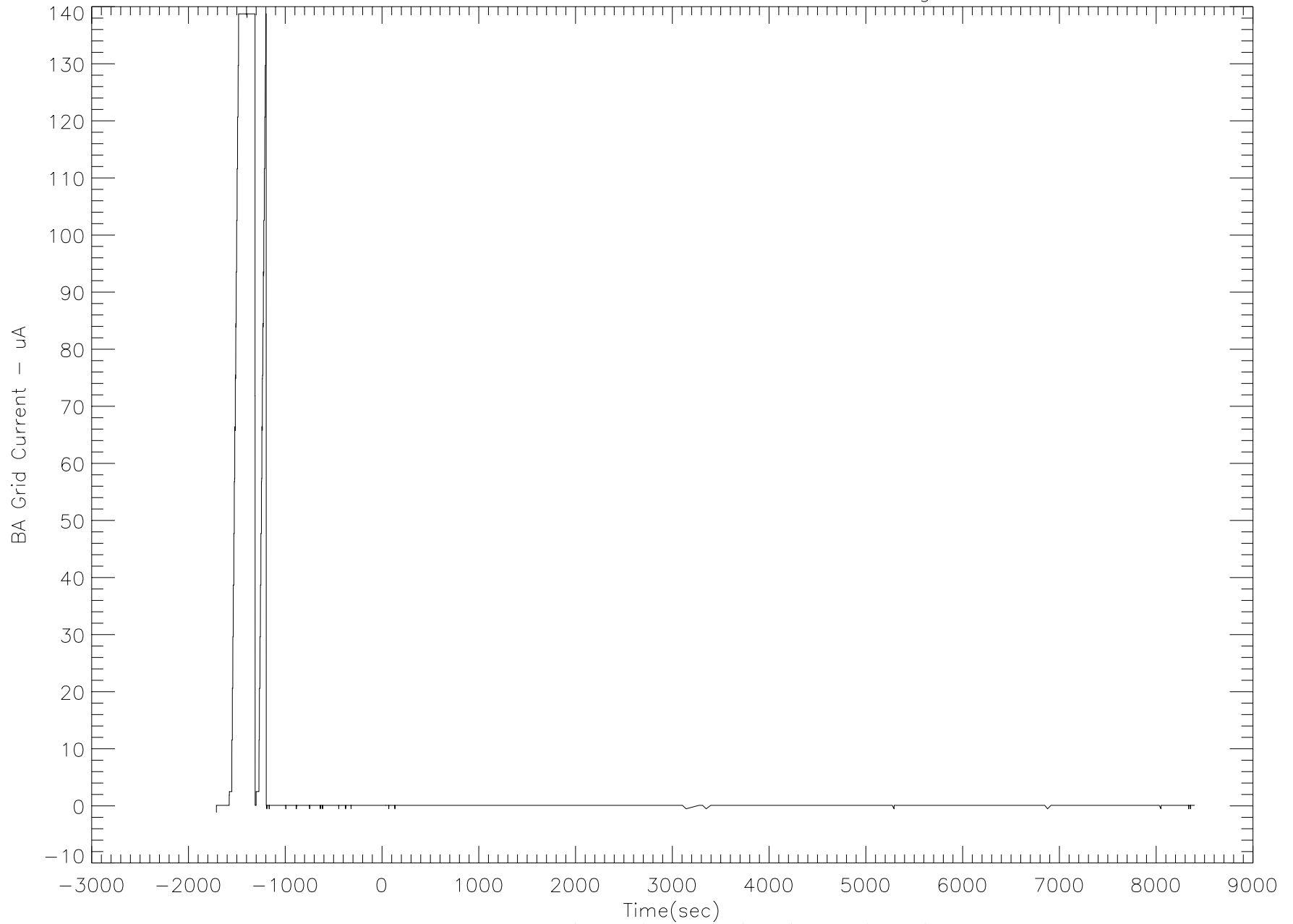
GCMS IdleA Data Value vs. Relative Time, Page 28



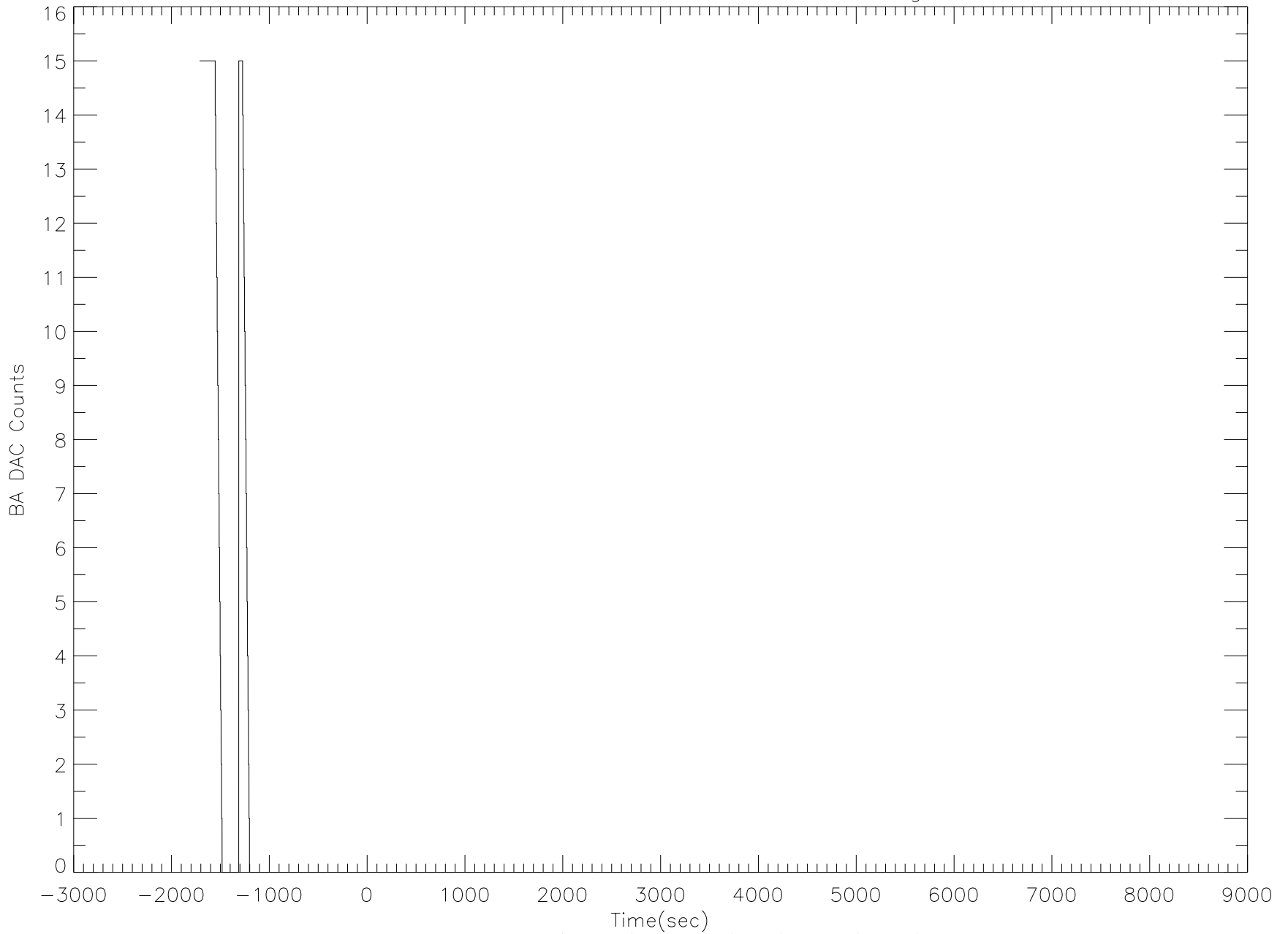
GCMS IdleA Data Value vs. Relative Time, Page 29



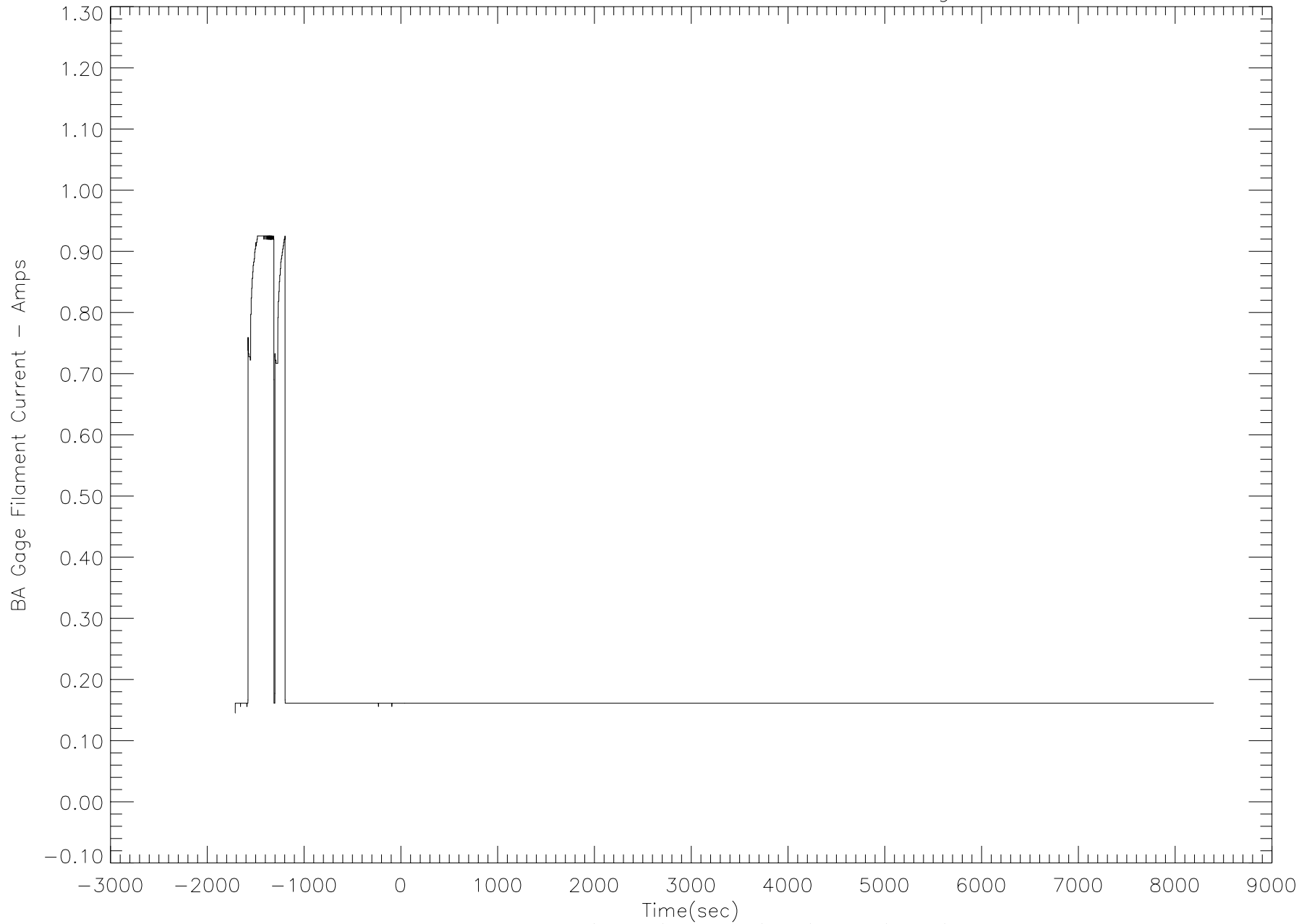
GCMS IdleA Data Value vs. Relative Time, Page 30



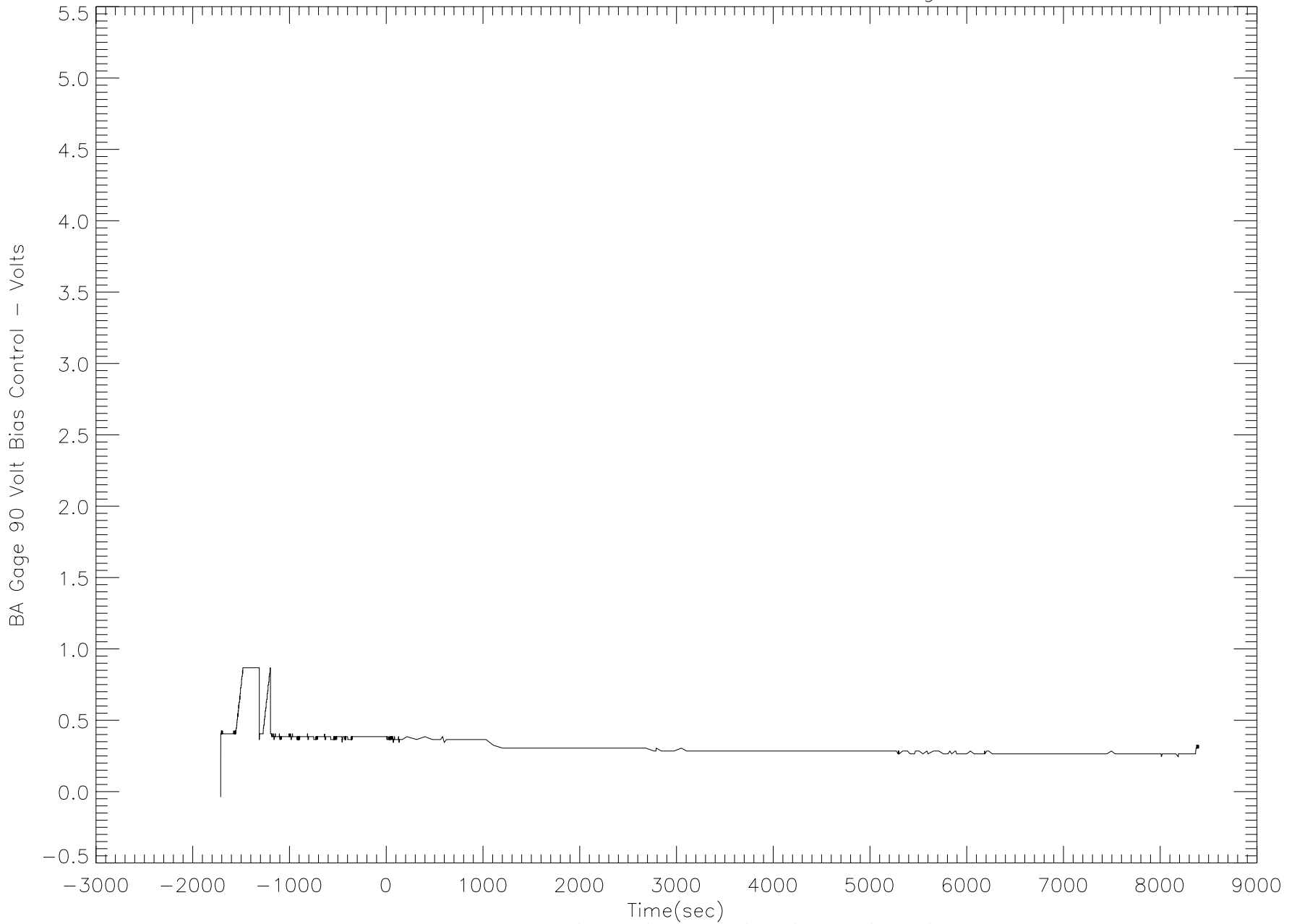
GCMS IdleA Data Value vs. Relative Time, Page 31



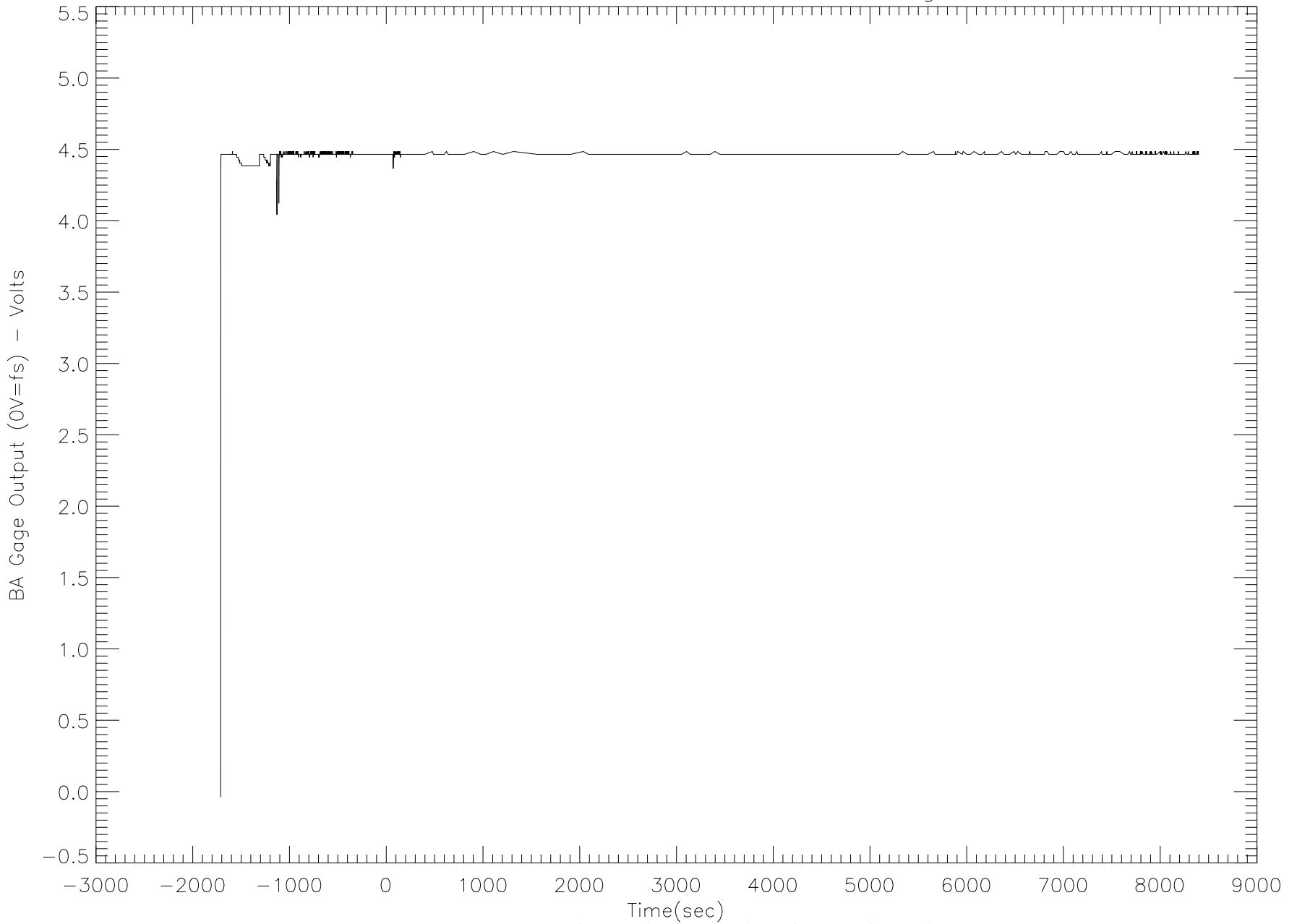
GCMS IdleA Data Value vs. Relative Time, Page 32



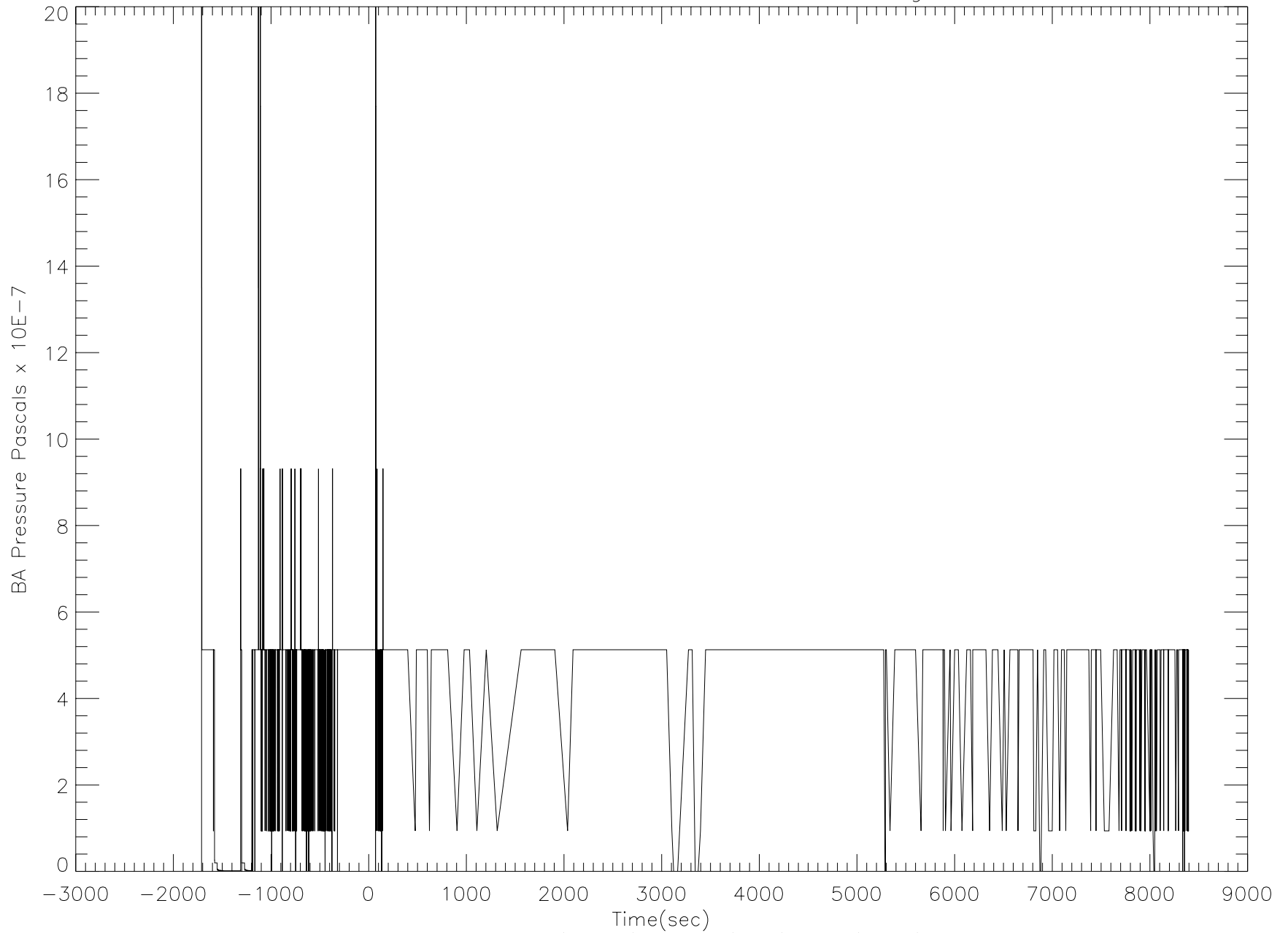
GCMS IdleA Data Value vs. Relative Time, Page 33



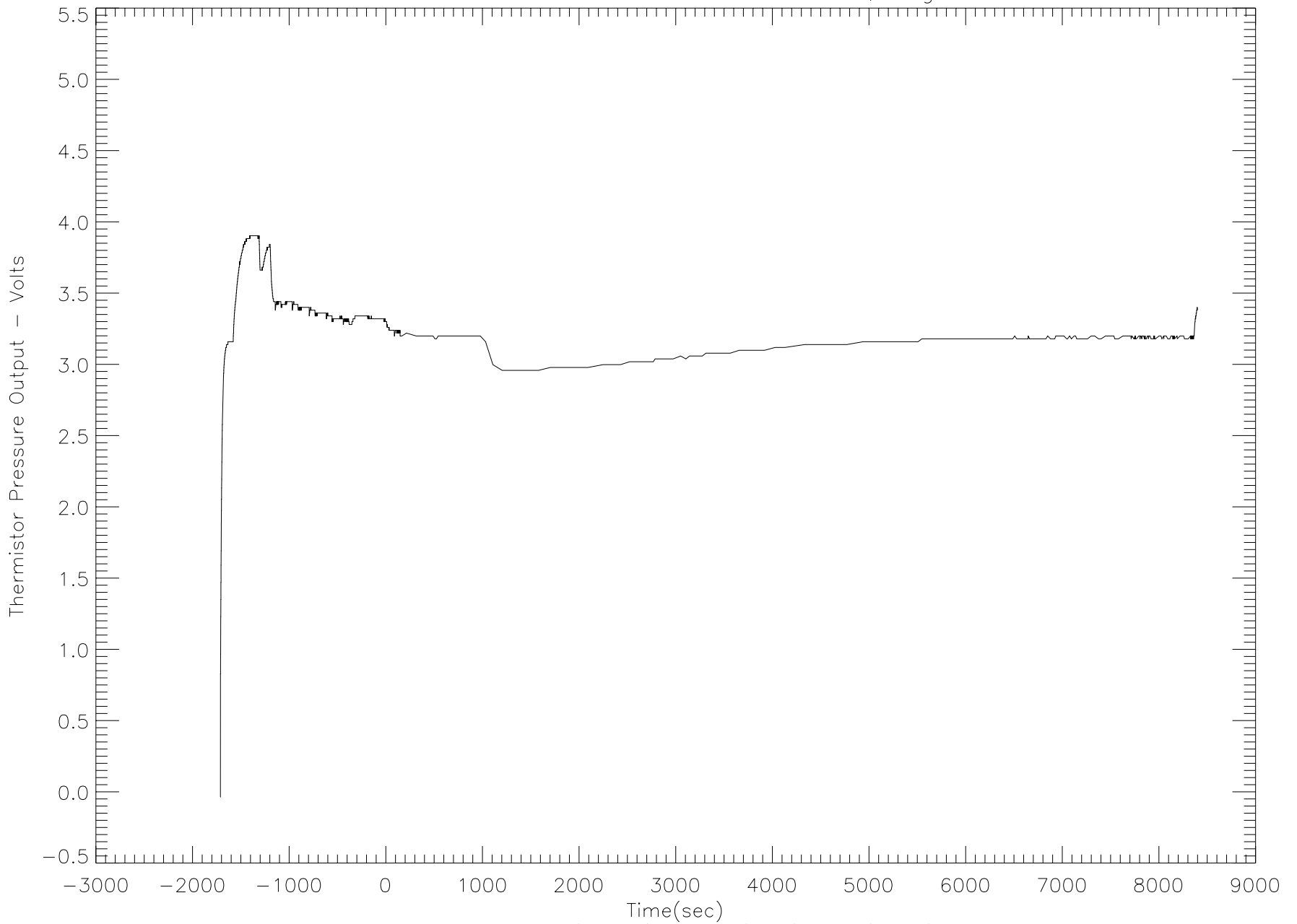
GCMS IdleA Data Value vs. Relative Time, Page 34



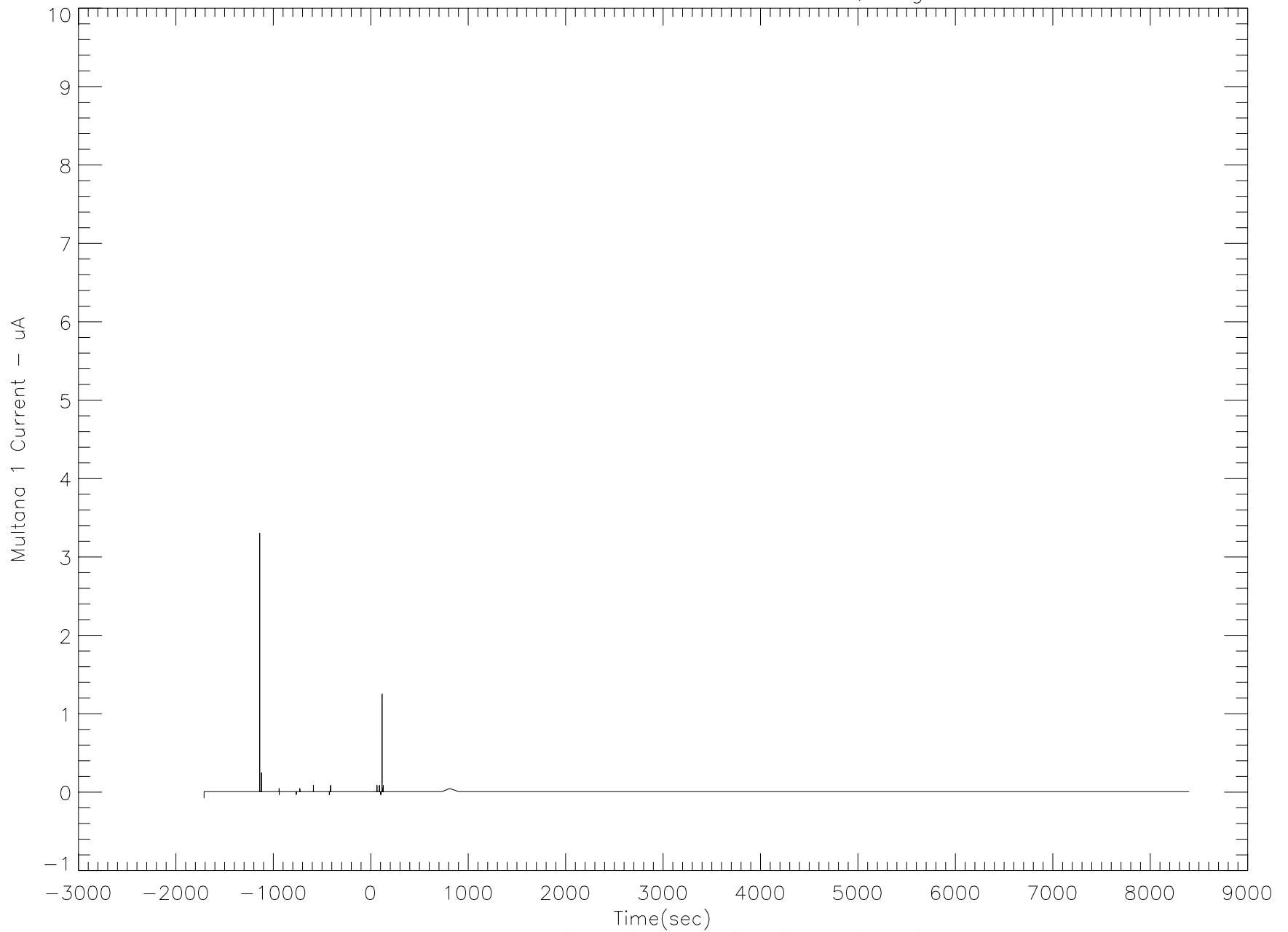
GCMS IdleA Data Value vs. Relative Time, Page 35



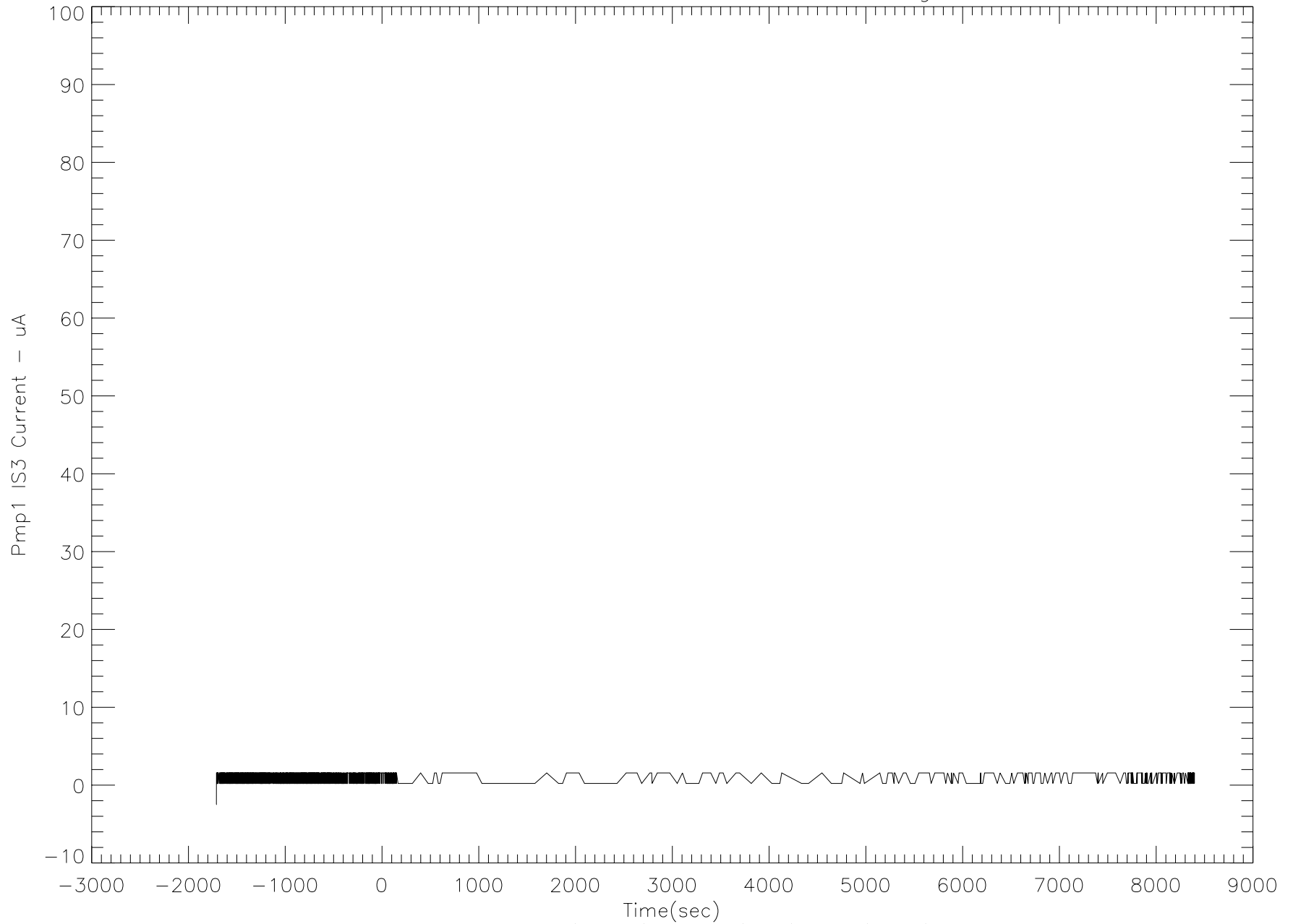
GCMS IdleA Data Value vs. Relative Time, Page 36



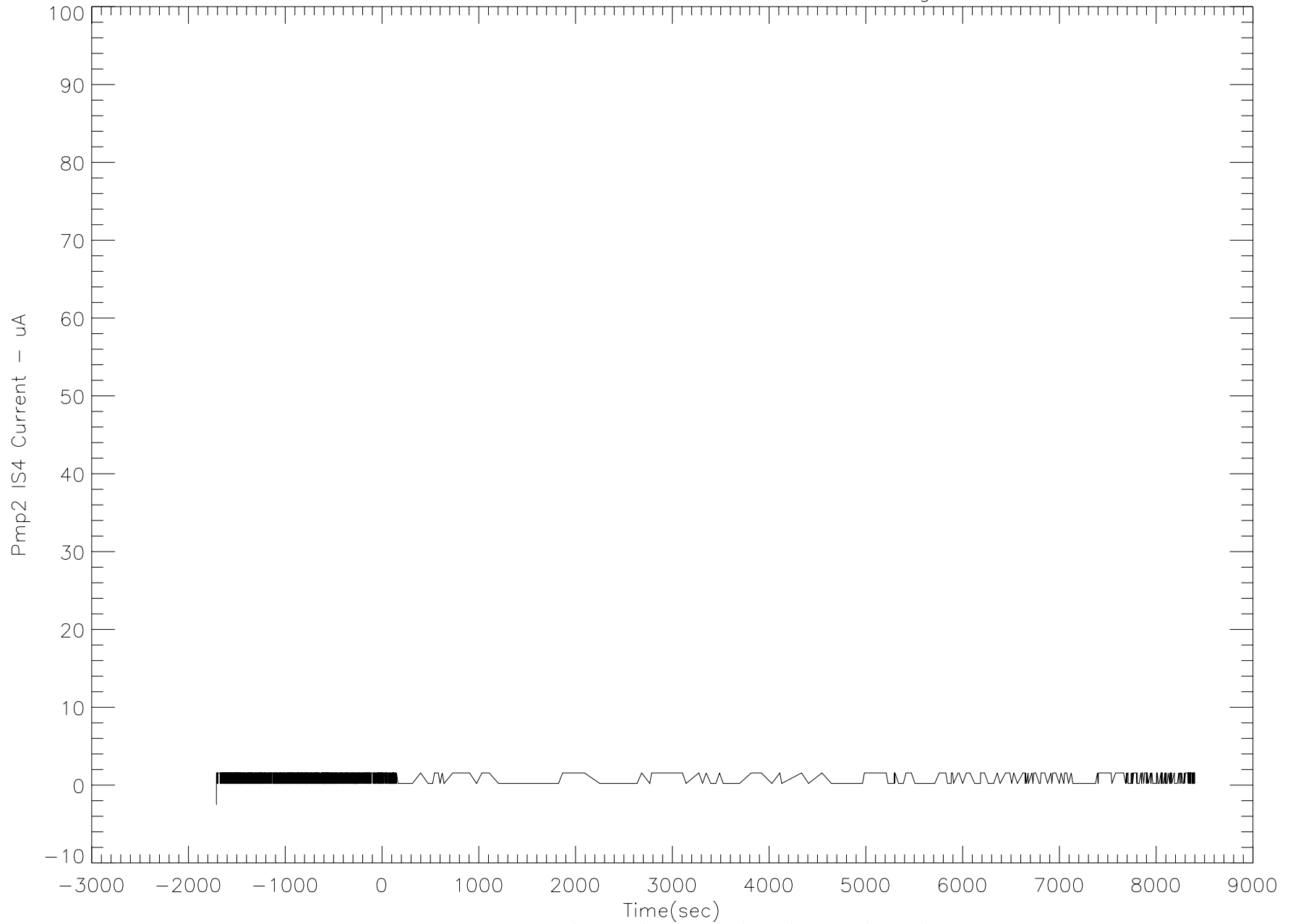
GCMS IdleA Data Value vs. Relative Time, Page 37



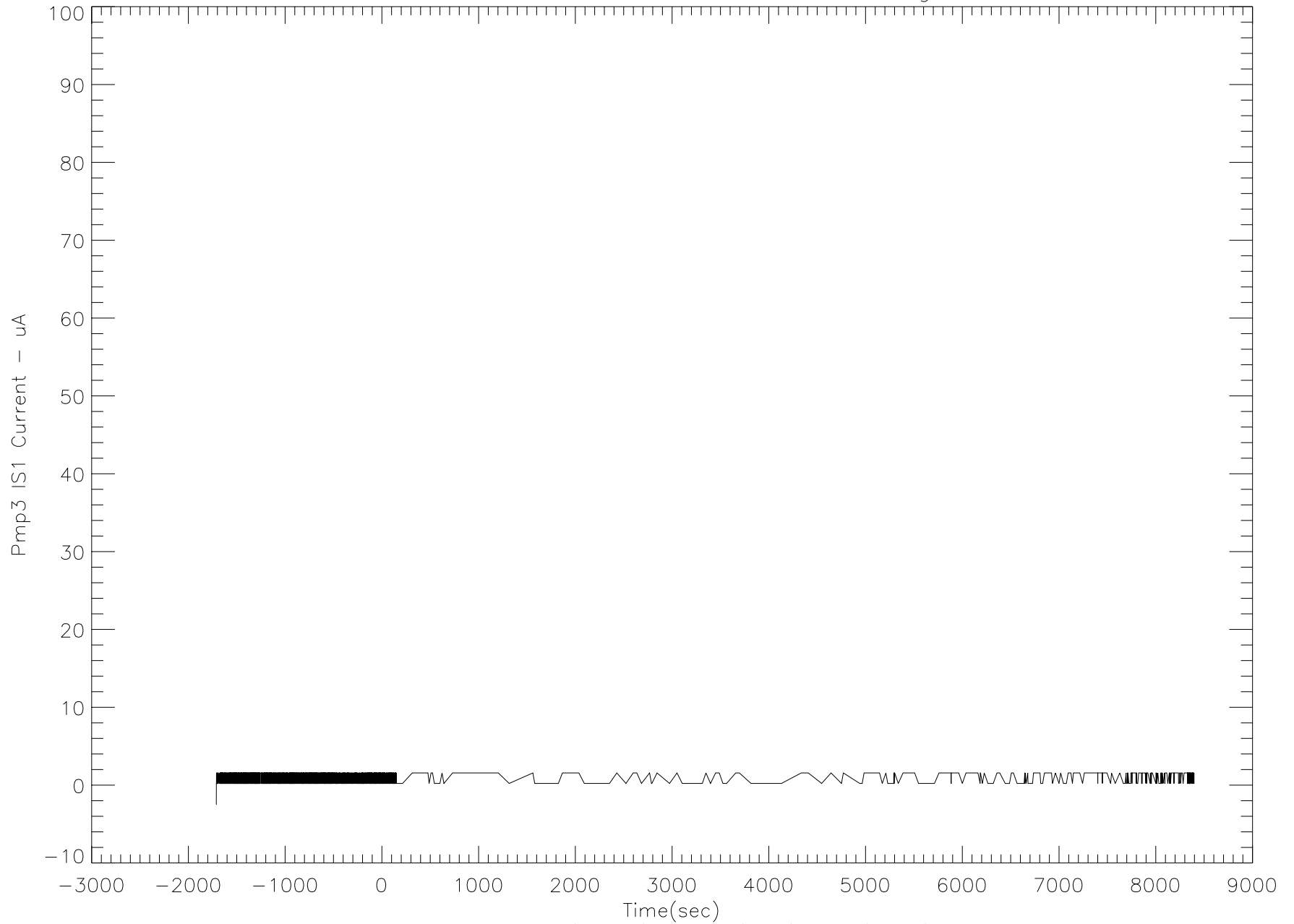
GCMS IdleA Data Value vs. Relative Time, Page 38



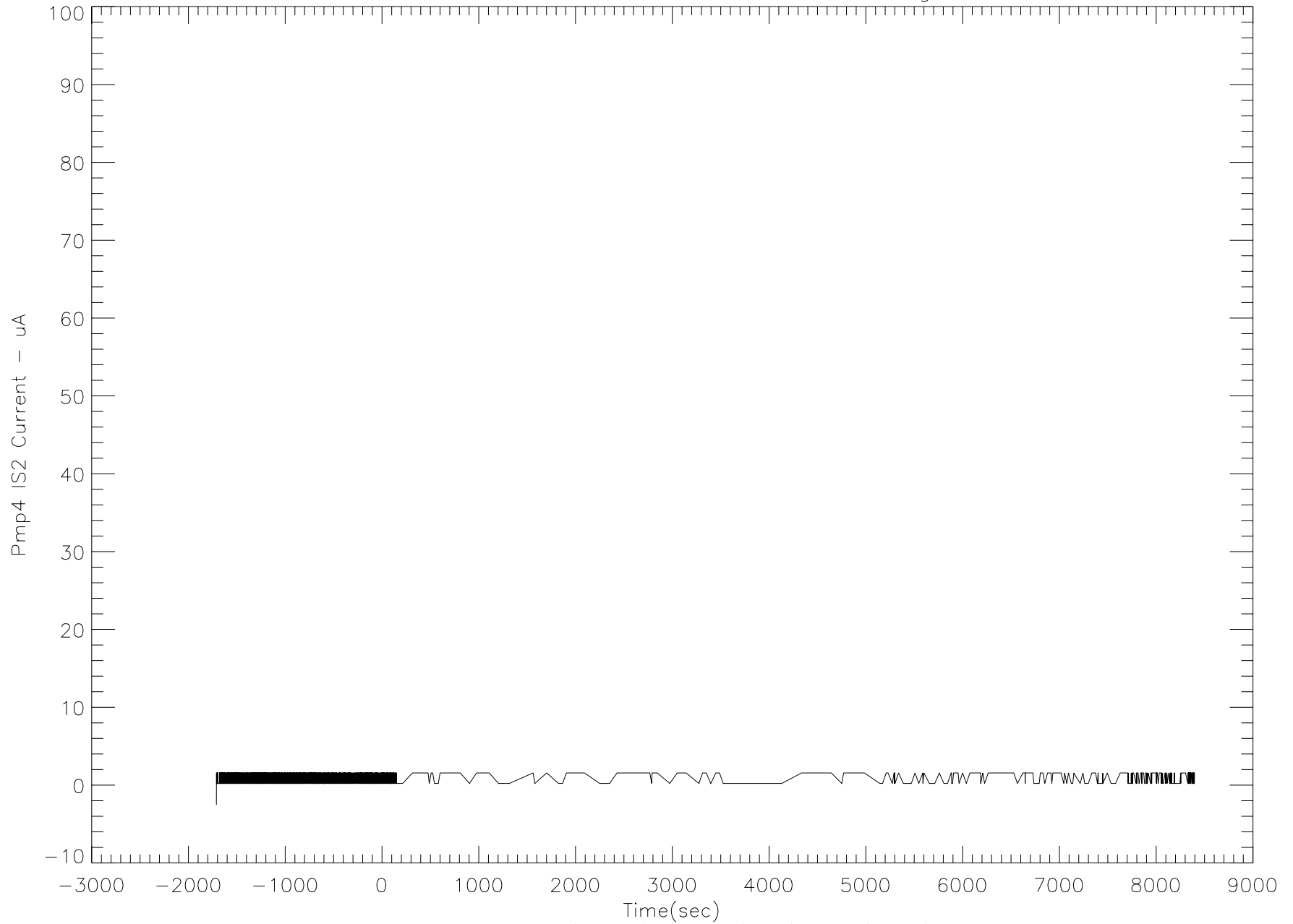
GCMS IdleA Data Value vs. Relative Time, Page 39



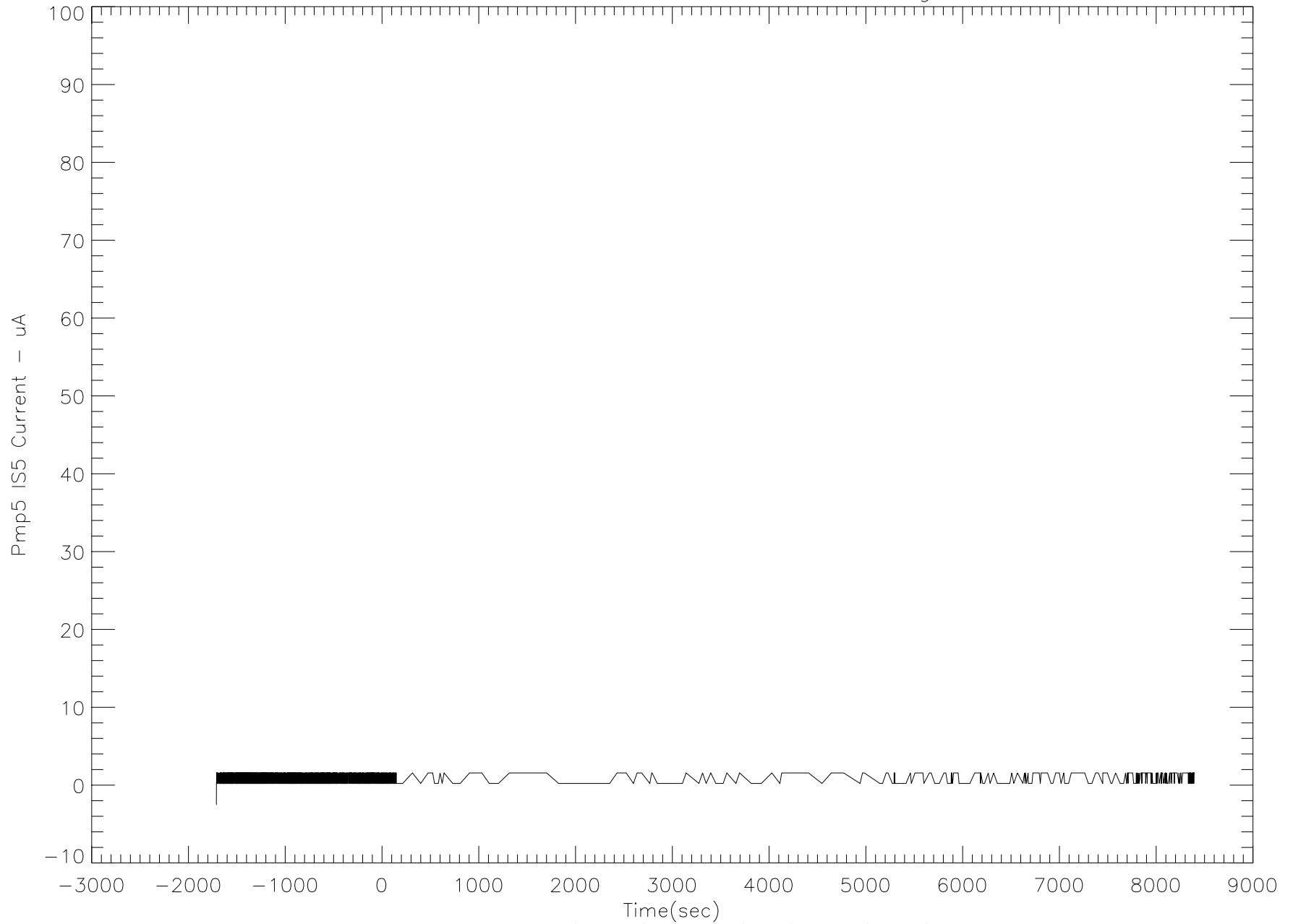
GCMS IdleA Data Value vs. Relative Time, Page 40



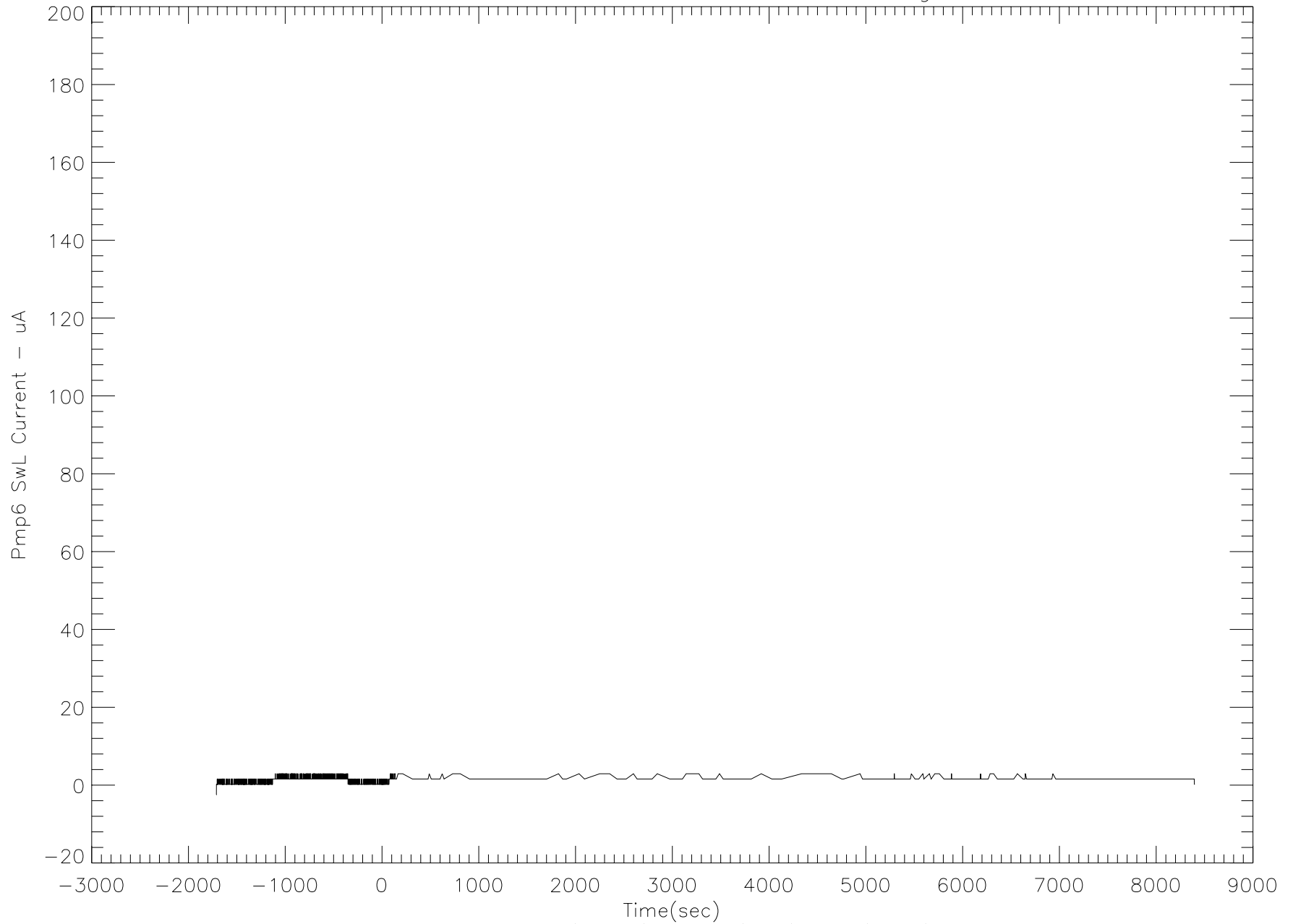
GCMS IdleA Data Value vs. Relative Time, Page 41



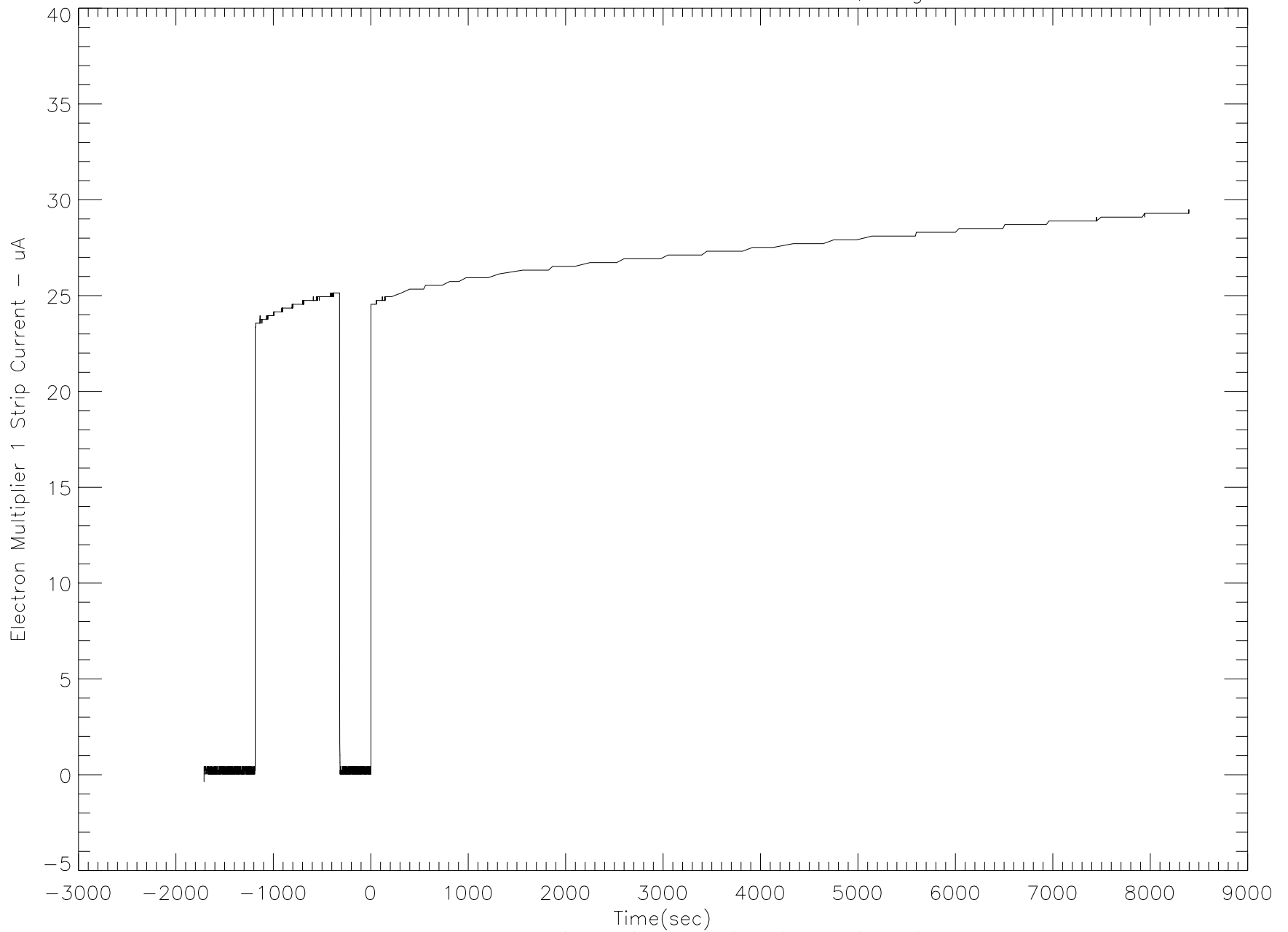
GCMS IdleA Data Value vs. Relative Time, Page 42



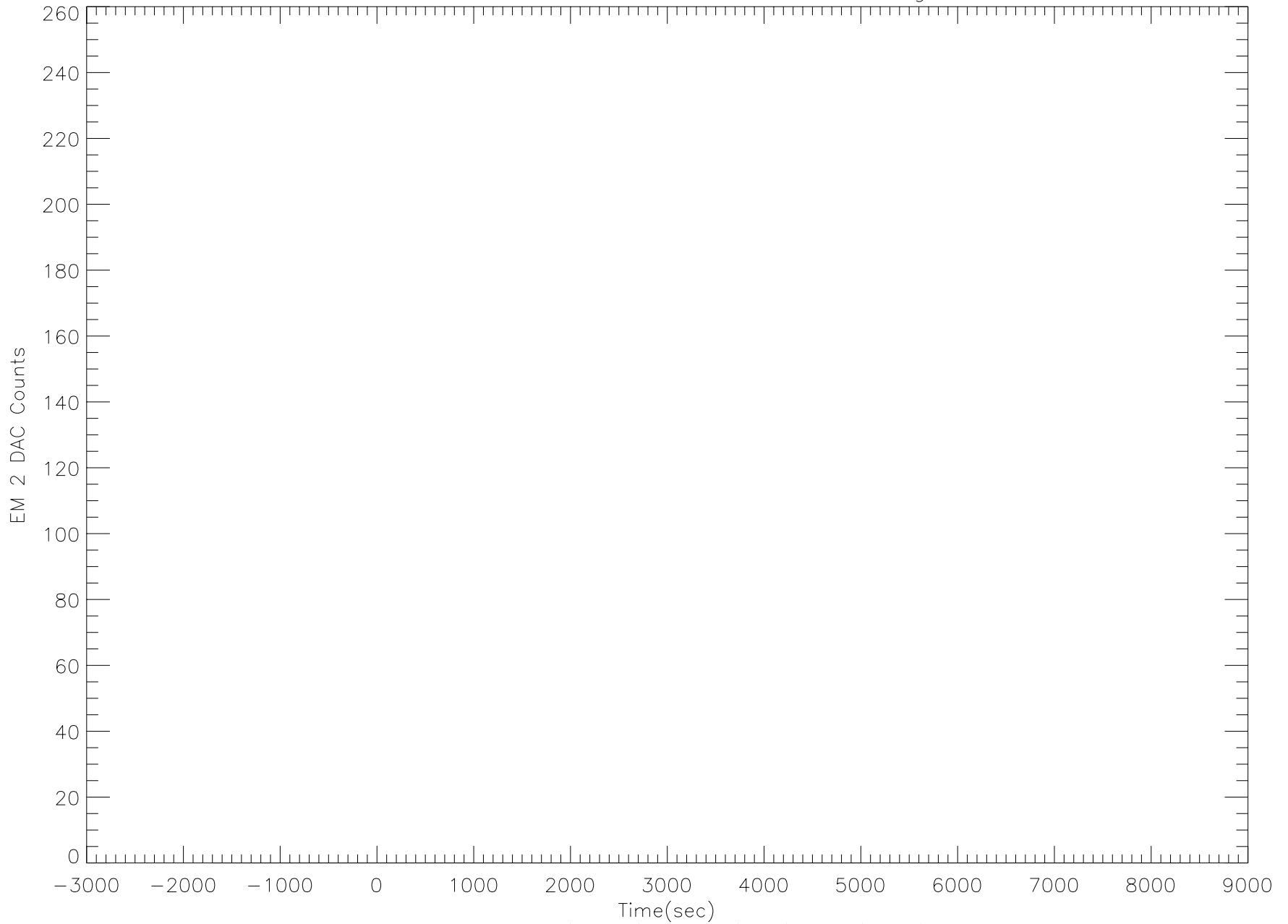
GCMS IdleA Data Value vs. Relative Time, Page 43



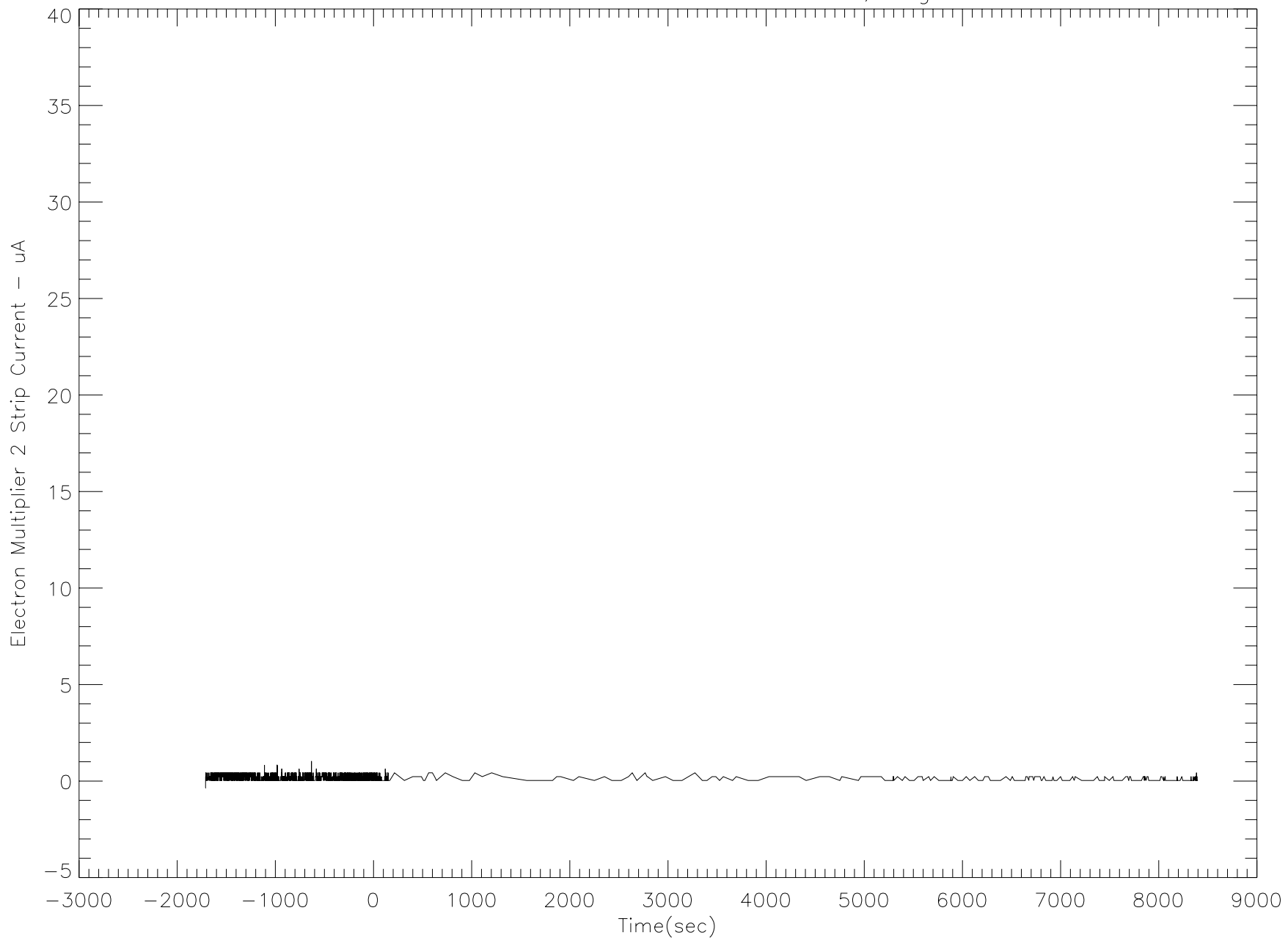
GCMS IdleA Data Value vs. Relative Time, Page 44



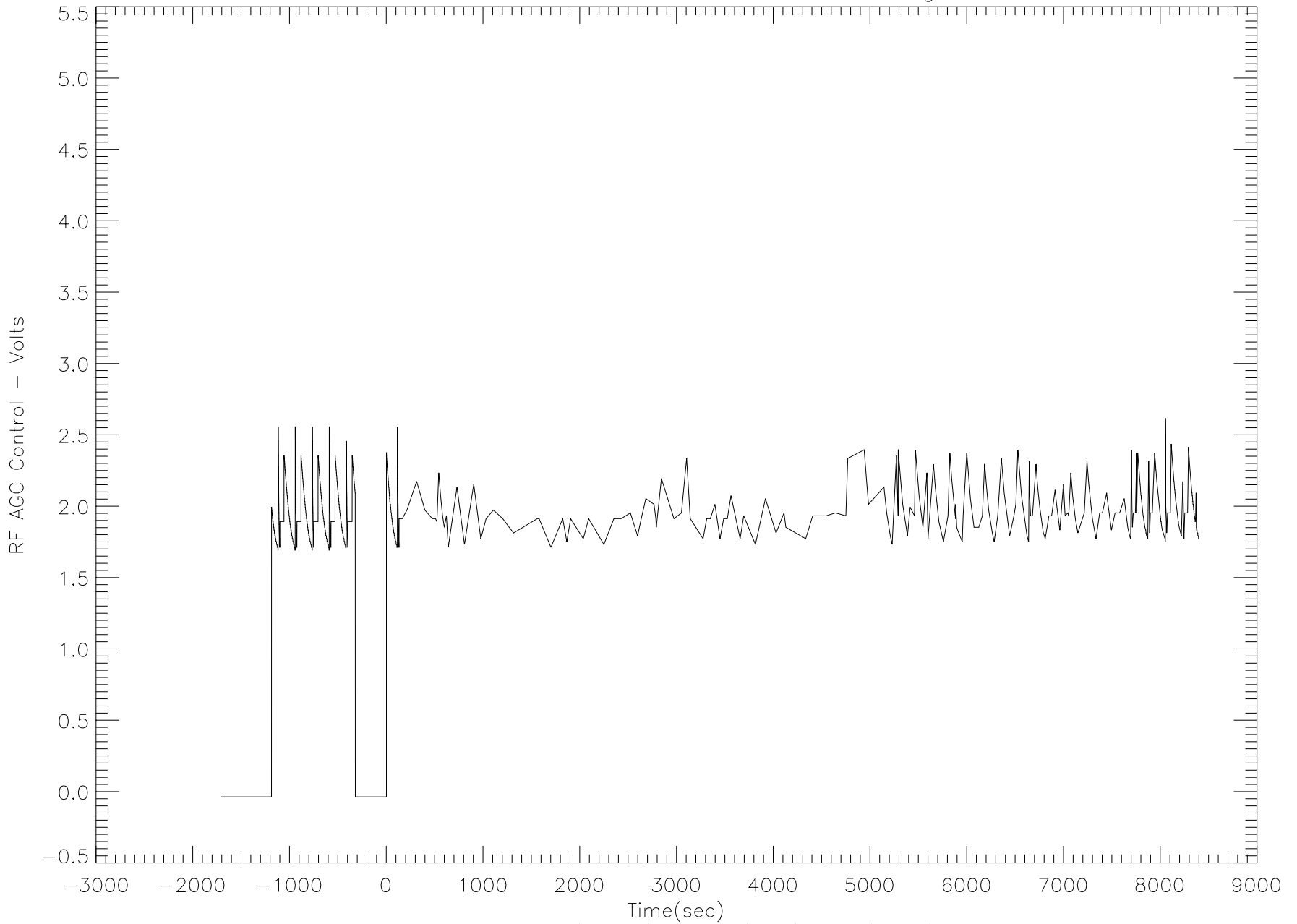
GCMS IdleA Data Value vs. Relative Time, Page 45



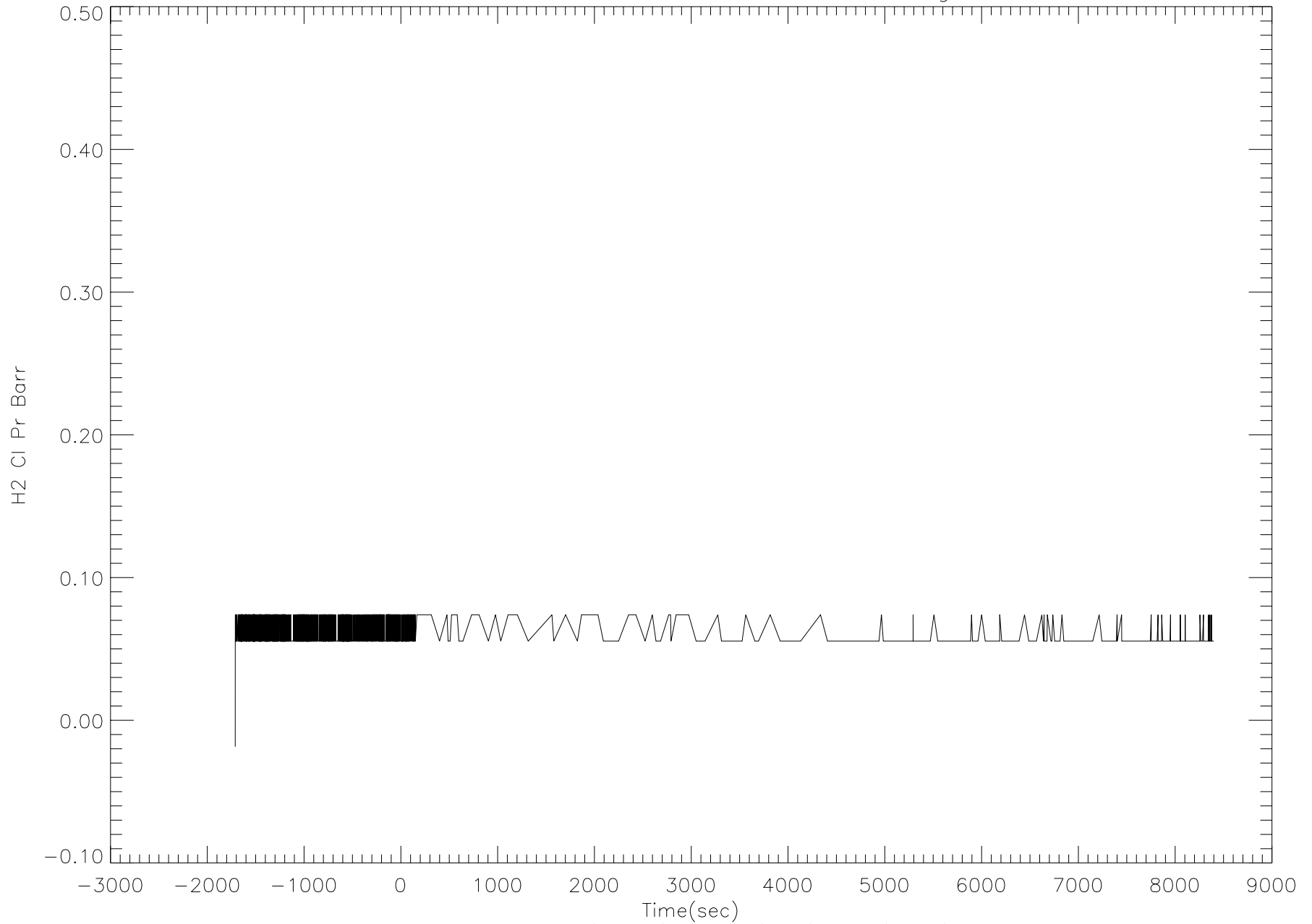
GCMS IdleA Data Value vs. Relative Time, Page 46



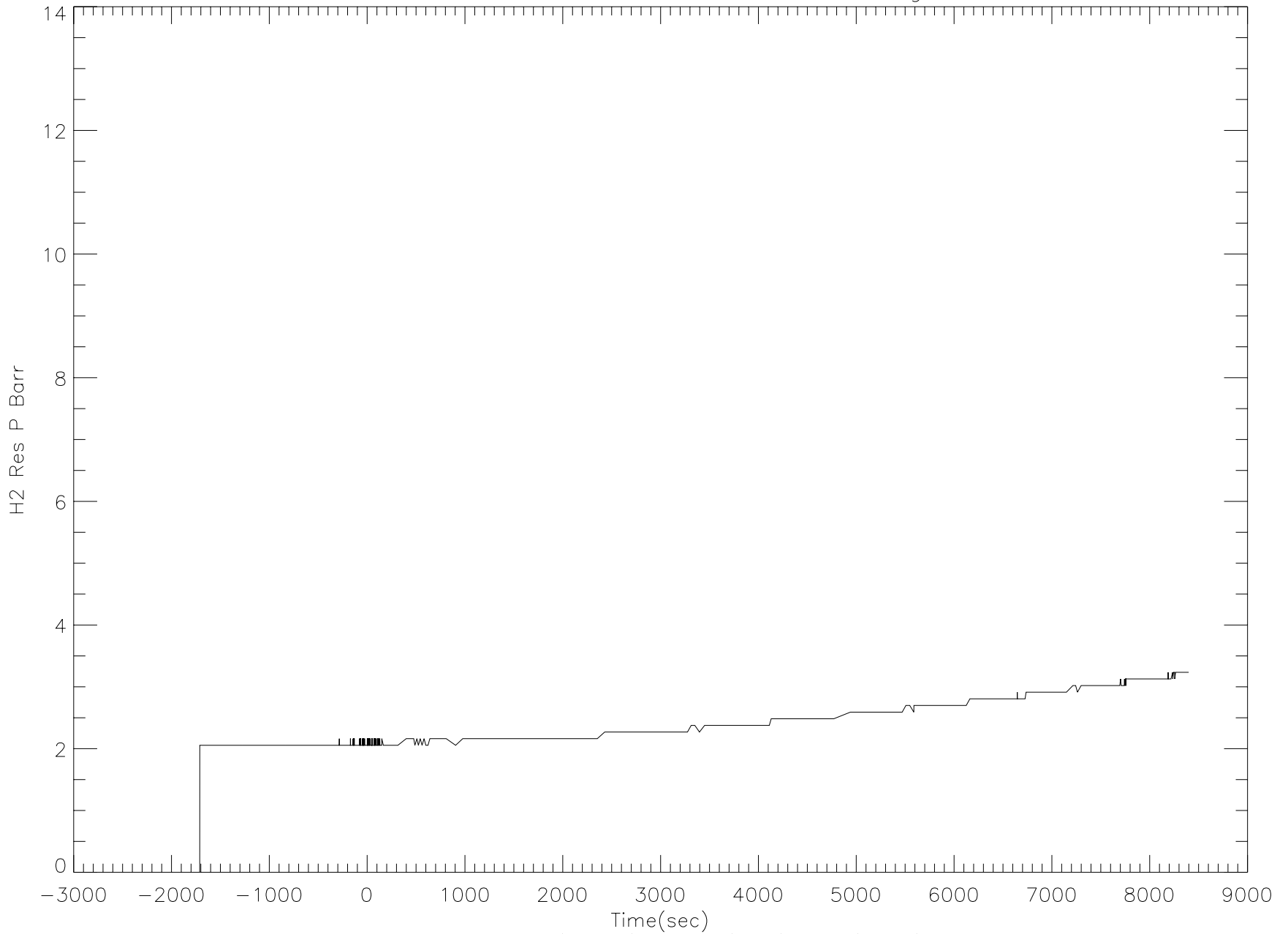
GCMS IdleA Data Value vs. Relative Time, Page 47



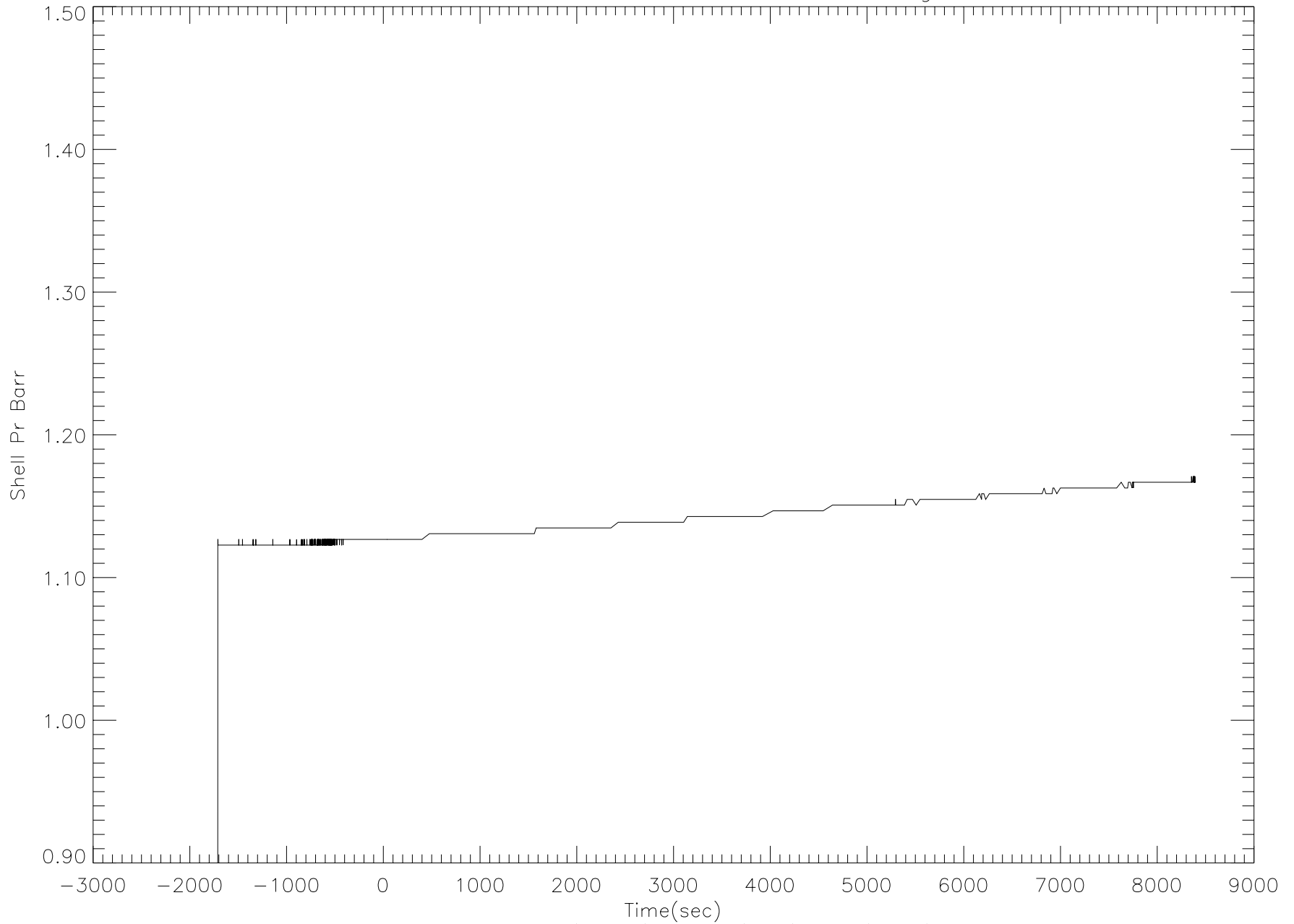
GCMS IdleA Data Value vs. Relative Time, Page 48



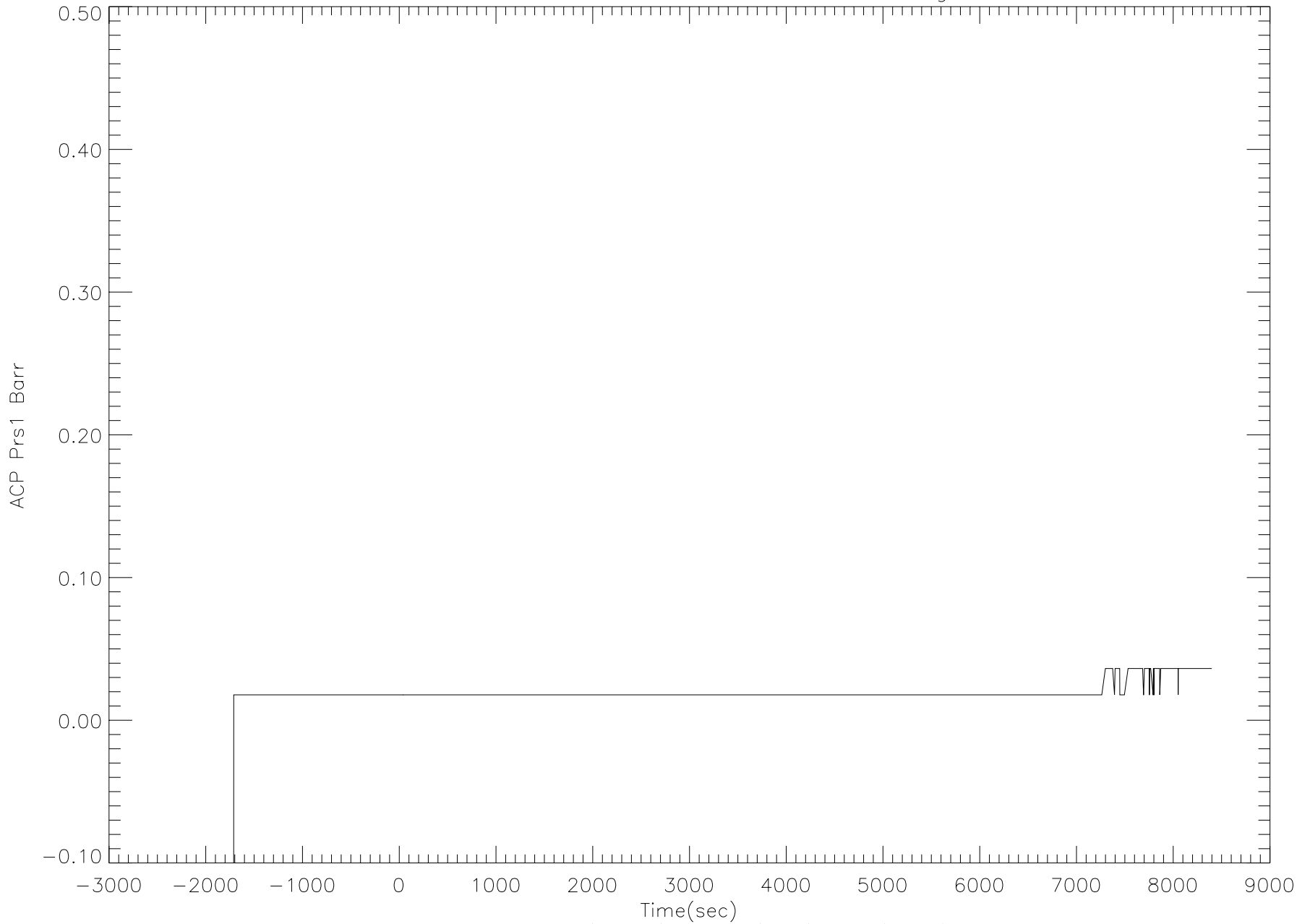
GCMS IdleA Data Value vs. Relative Time, Page 49



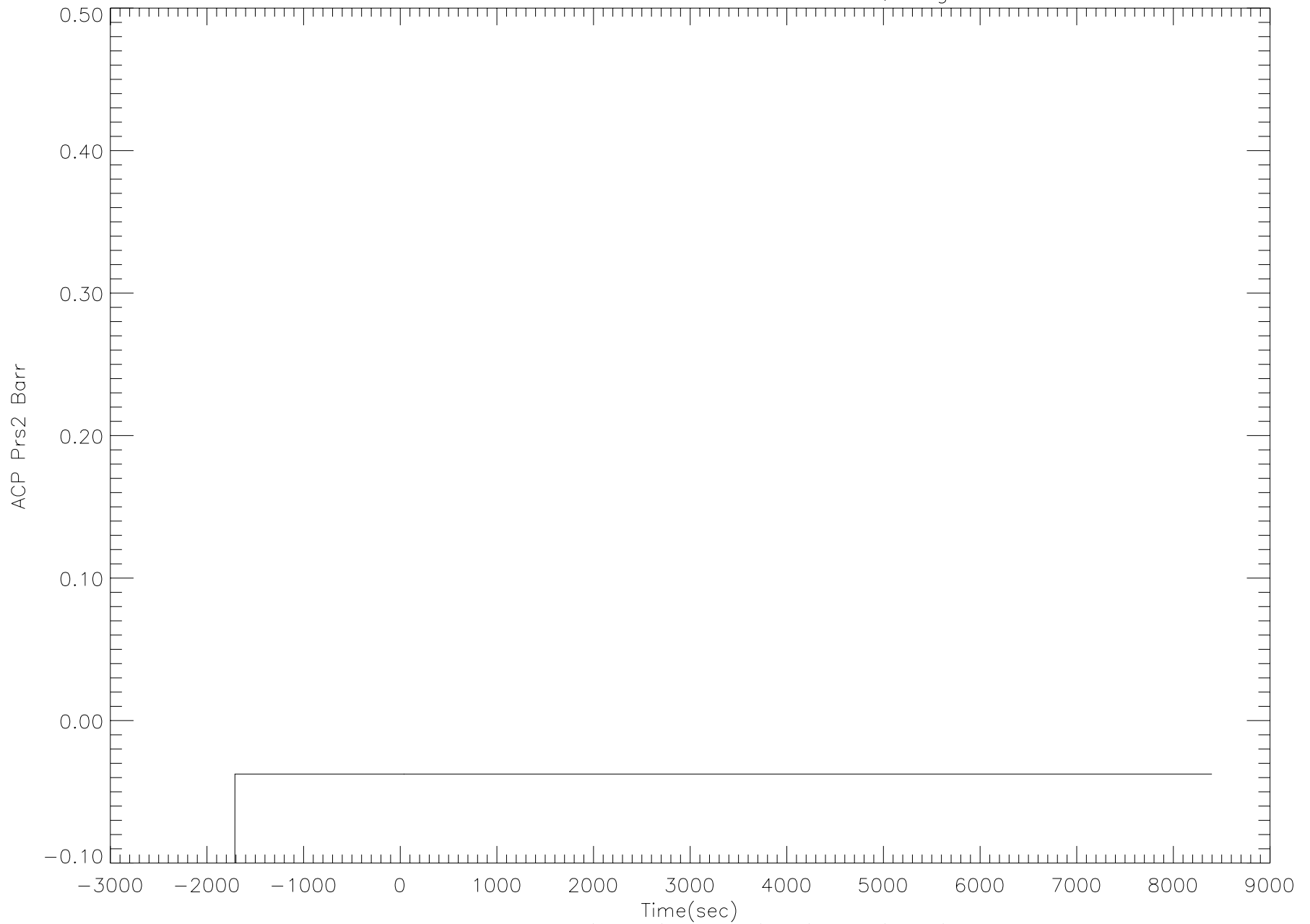
GCMS IdleA Data Value vs. Relative Time, Page 50



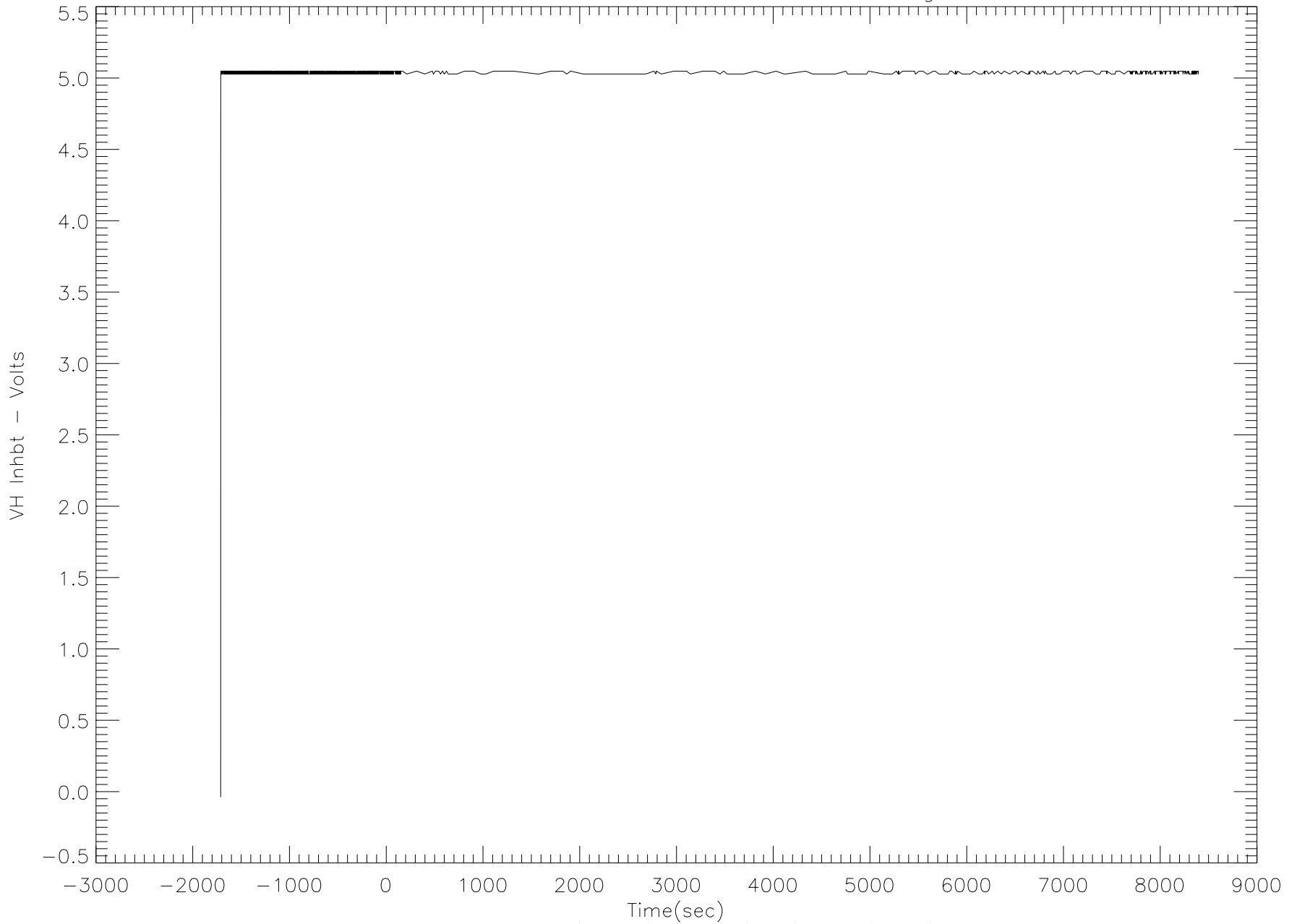
GCMS IdleA Data Value vs. Relative Time, Page 51



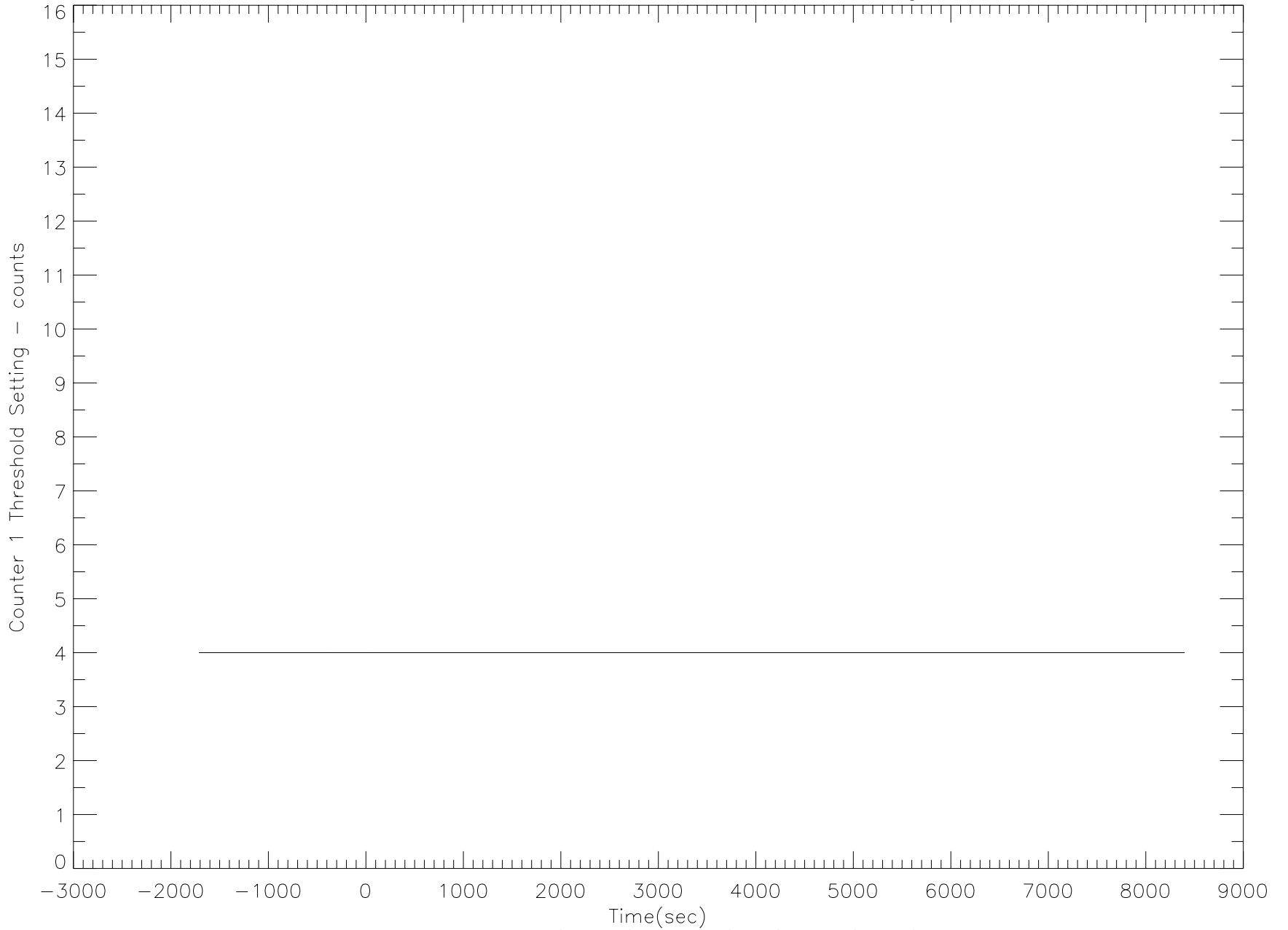
GCMS IdleA Data Value vs. Relative Time, Page 52



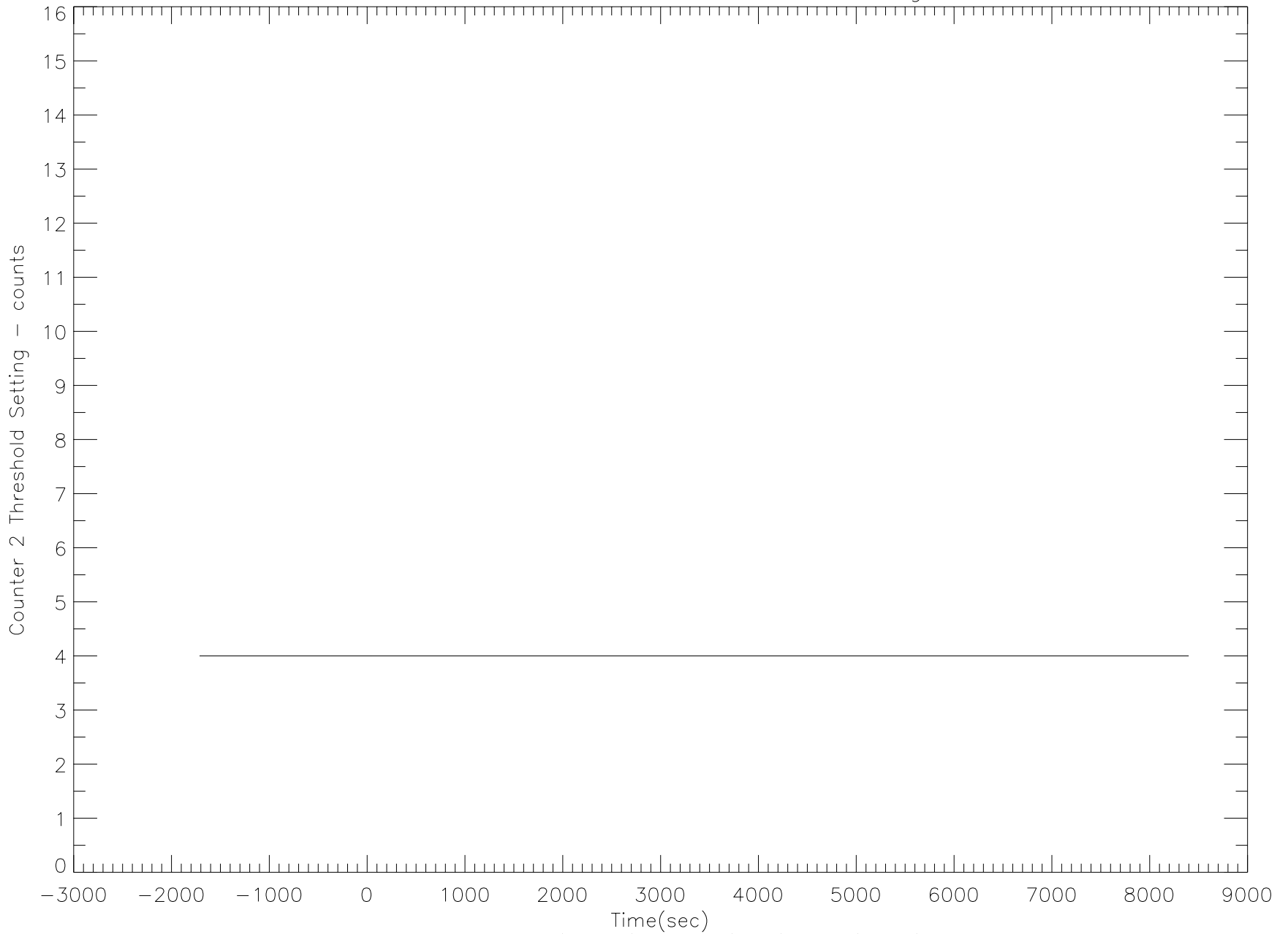
GCMS IdleA Data Value vs. Relative Time, Page 53



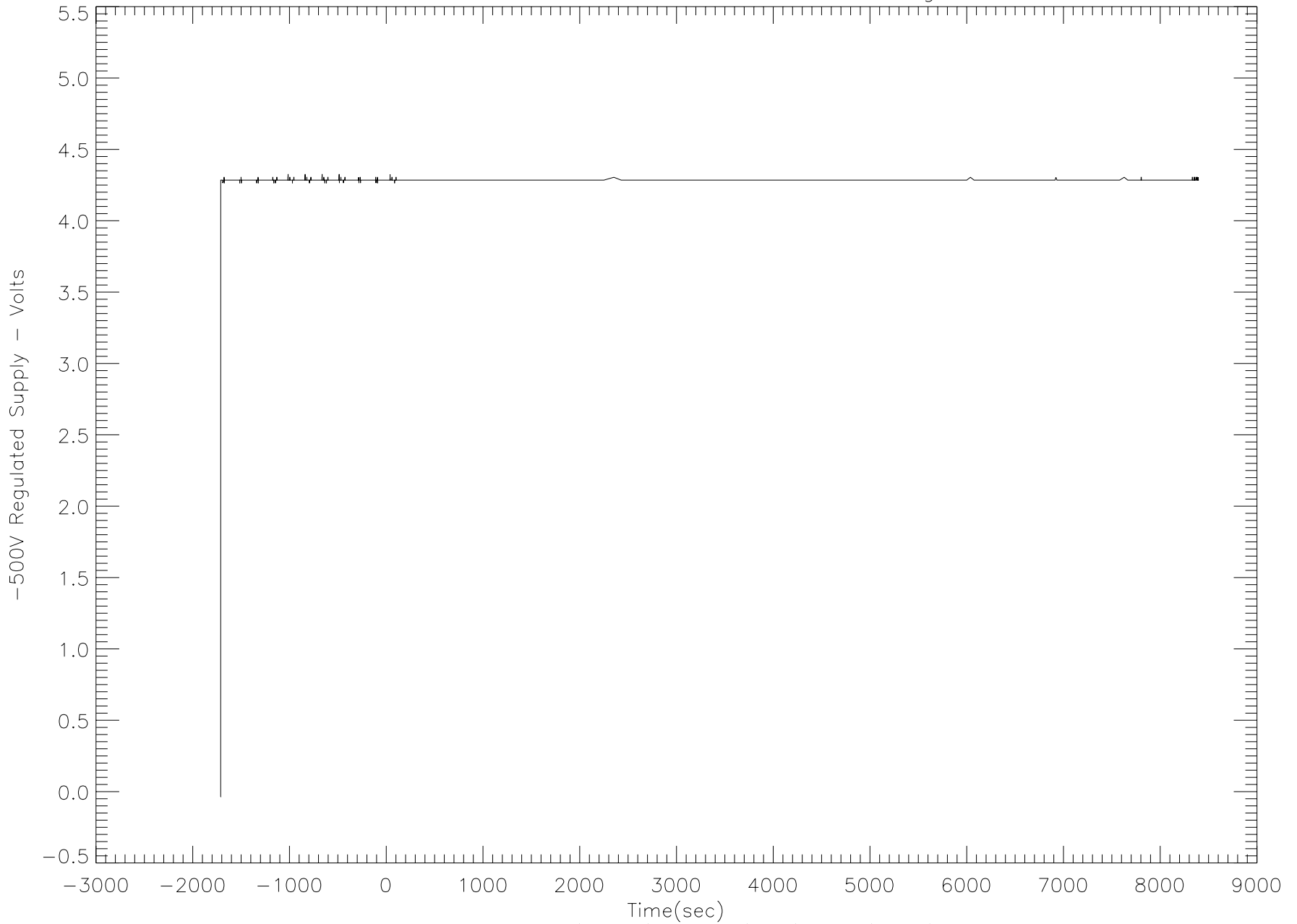
GCMS IdleA Data Value vs. Relative Time, Page 54



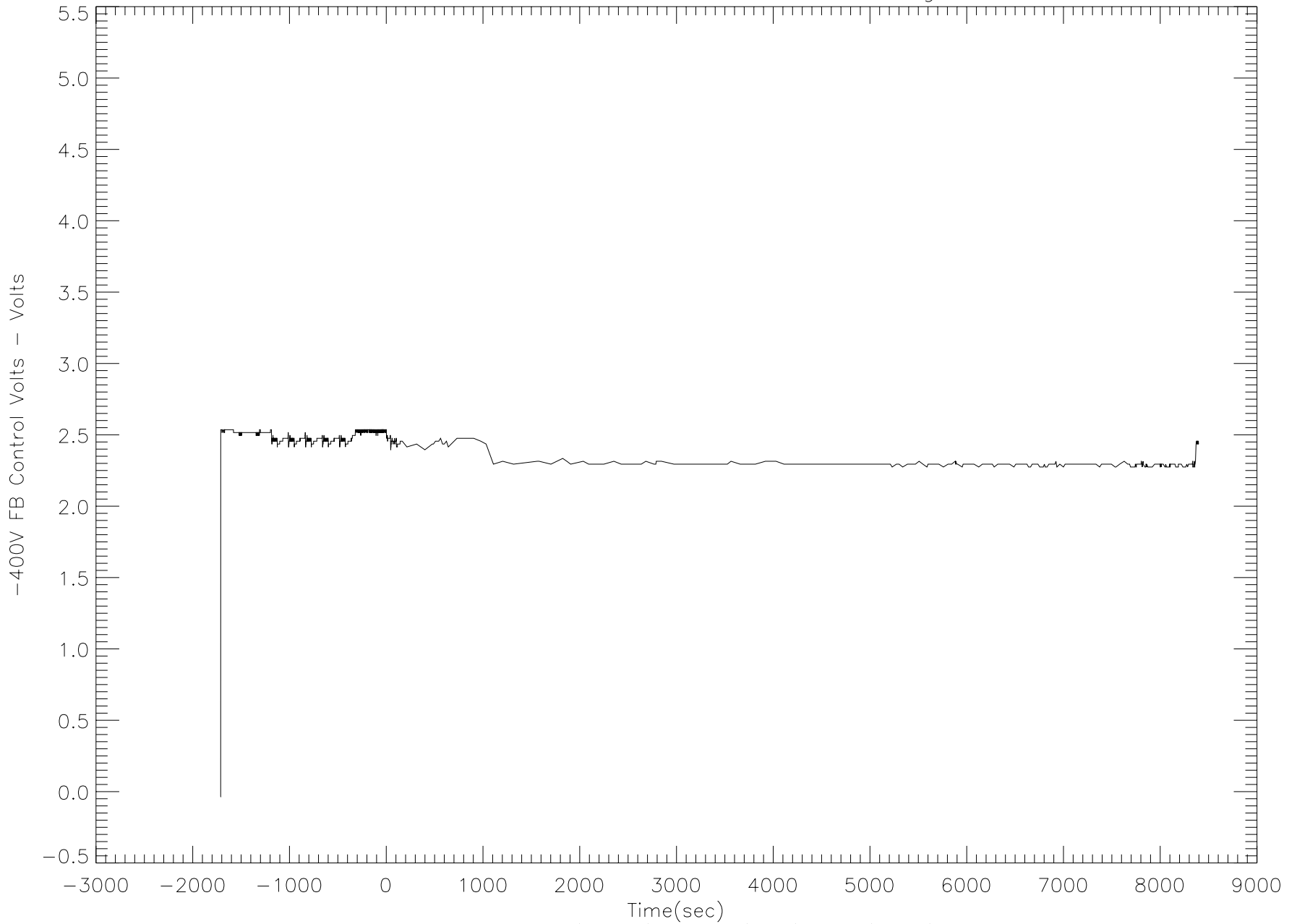
GCMS IdleA Data Value vs. Relative Time, Page 55



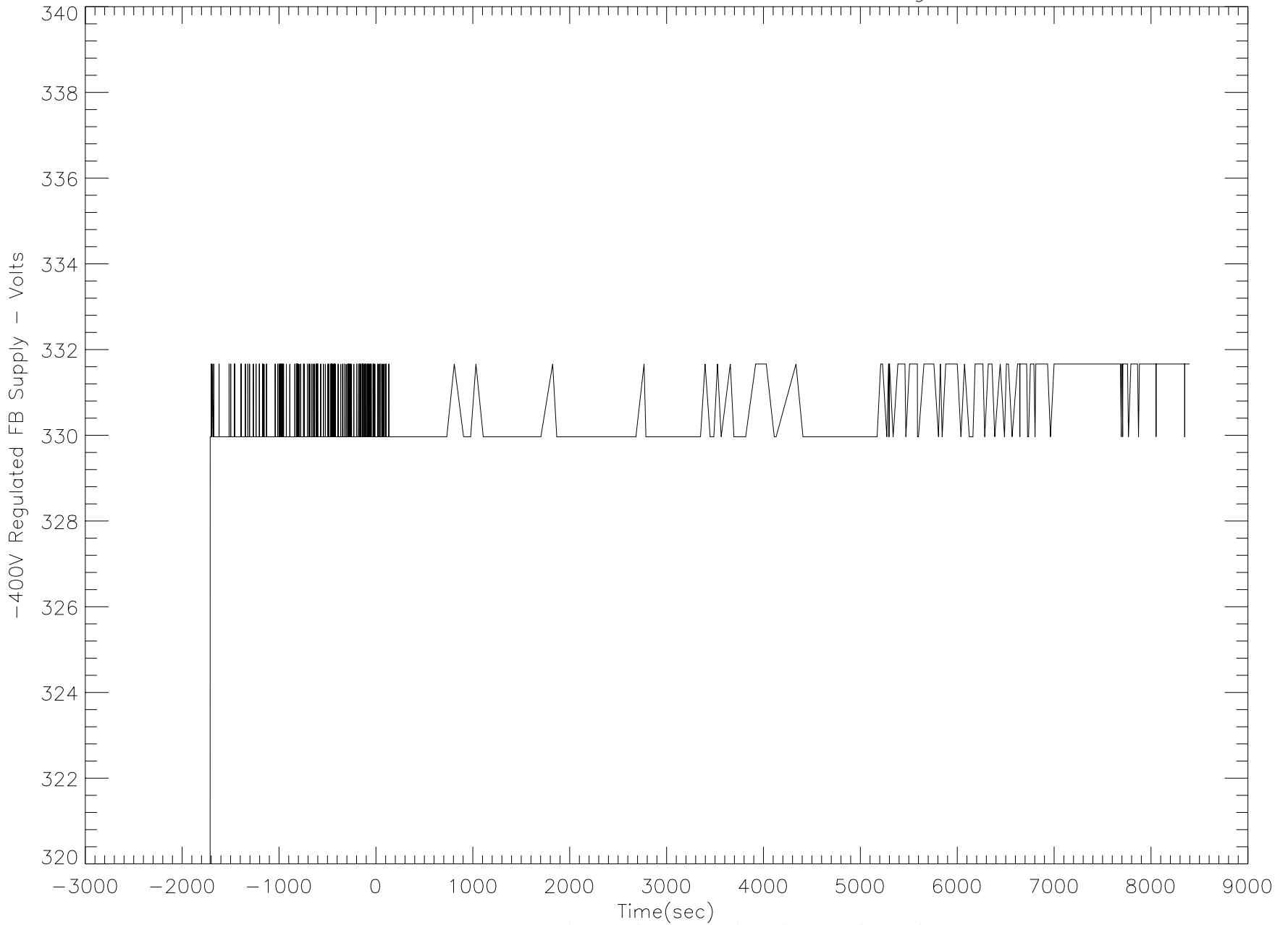
GCMS IdleA Data Value vs. Relative Time, Page 56



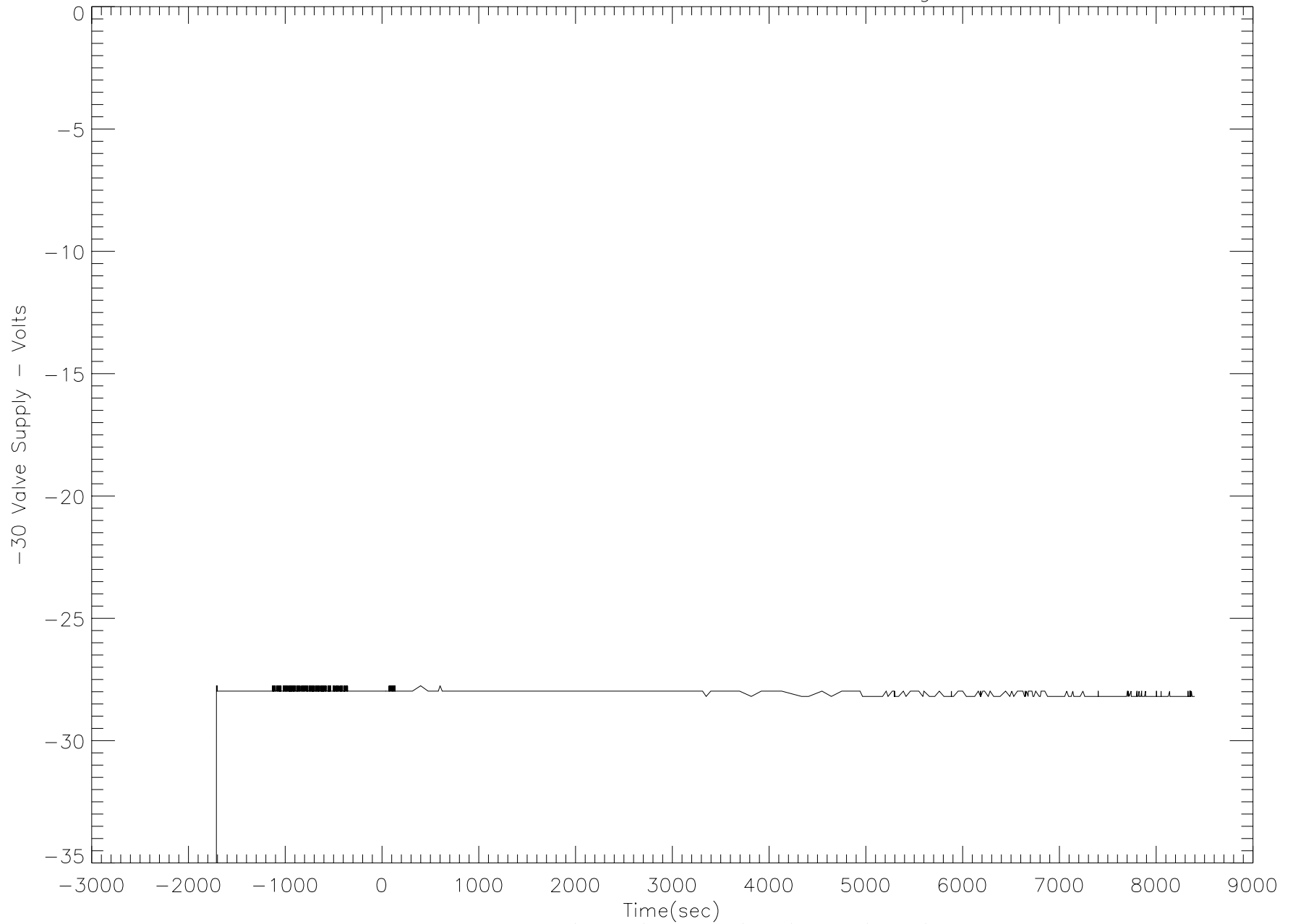
GCMS IdleA Data Value vs. Relative Time, Page 57



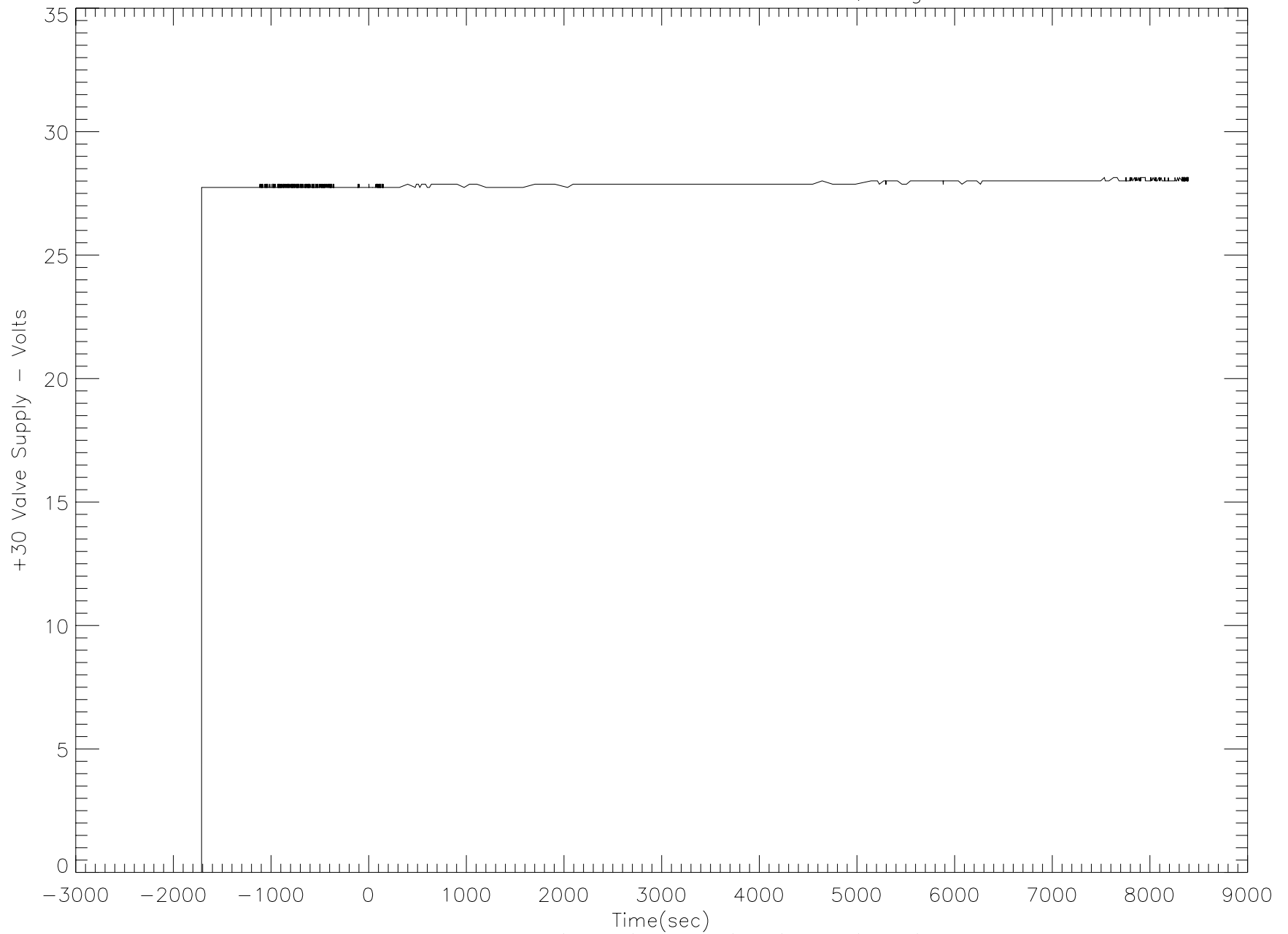
GCMS IdleA Data Value vs. Relative Time, Page 58



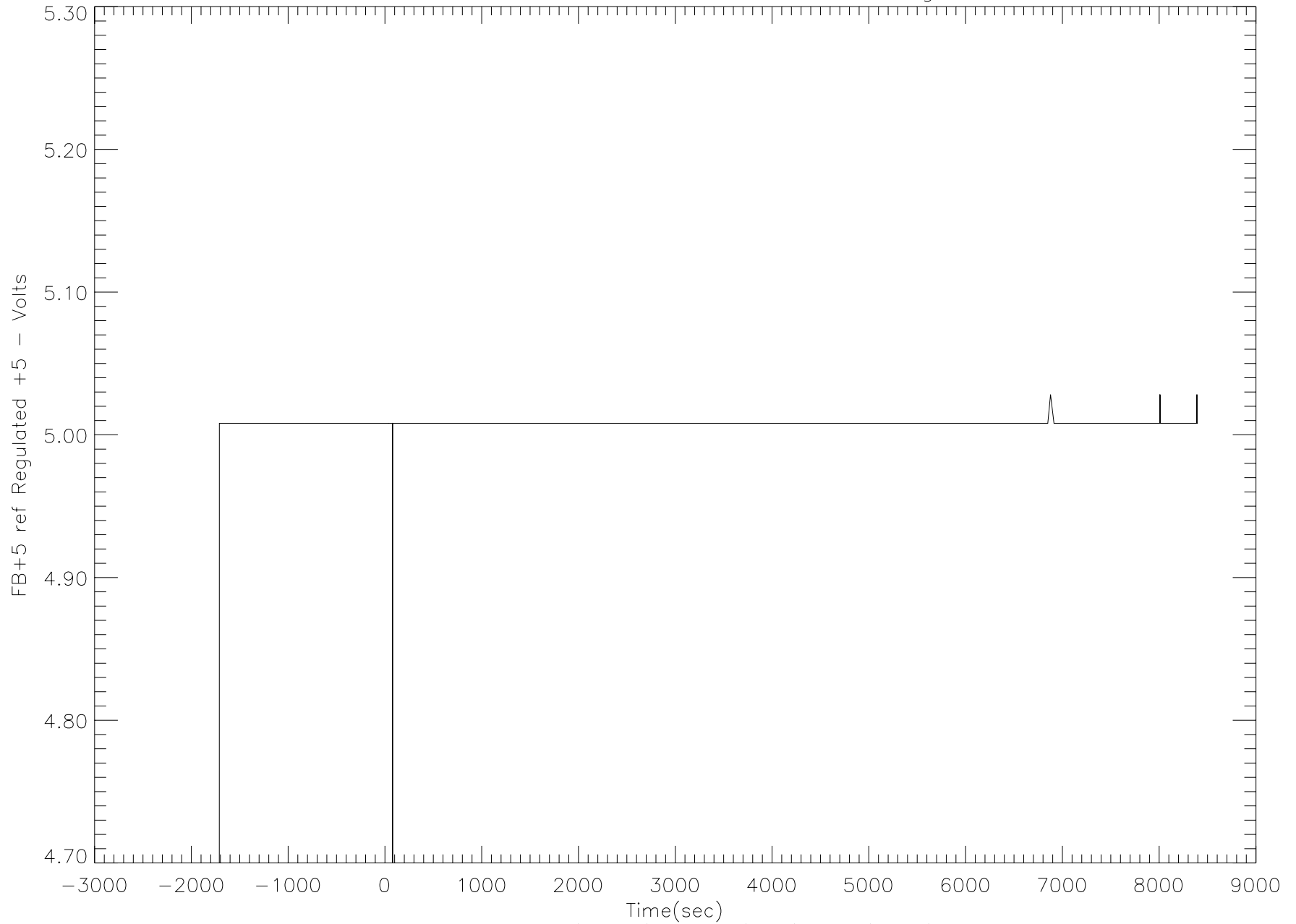
GCMS IdleA Data Value vs. Relative Time, Page 59



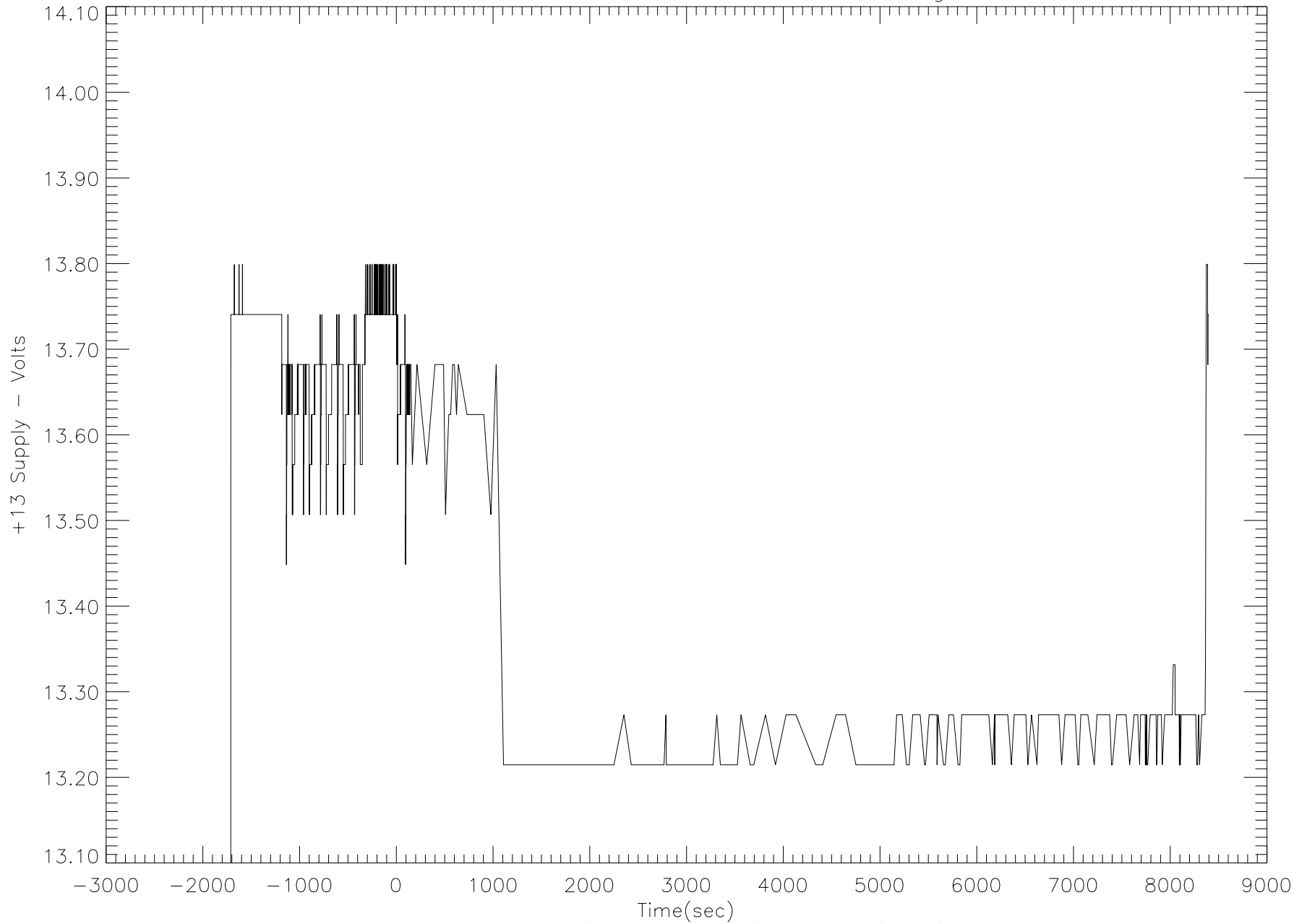
GCMS IdleA Data Value vs. Relative Time, Page 60



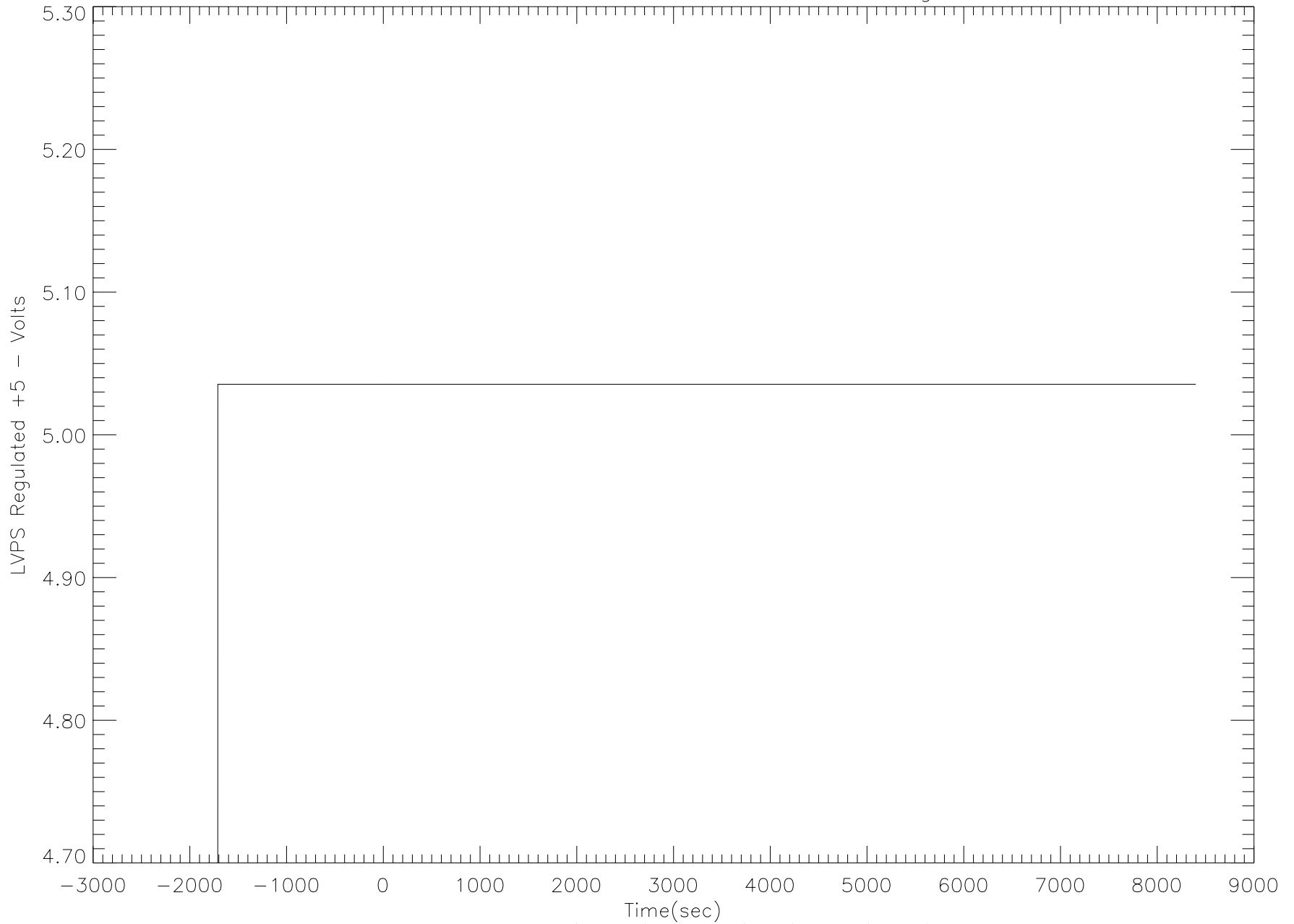
GCMS IdleA Data Value vs. Relative Time, Page 61



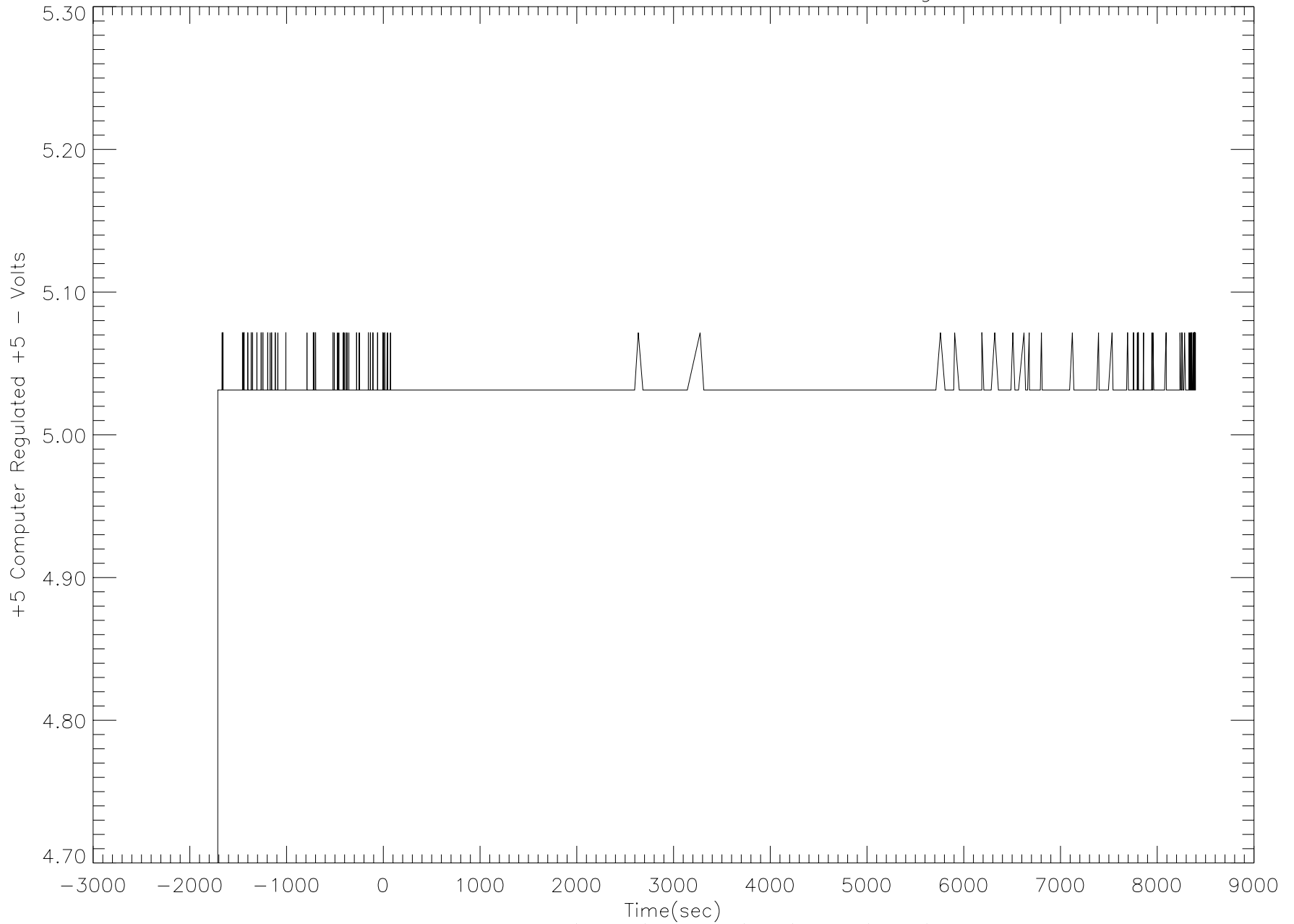
GCMS IdleA Data Value vs. Relative Time, Page 62



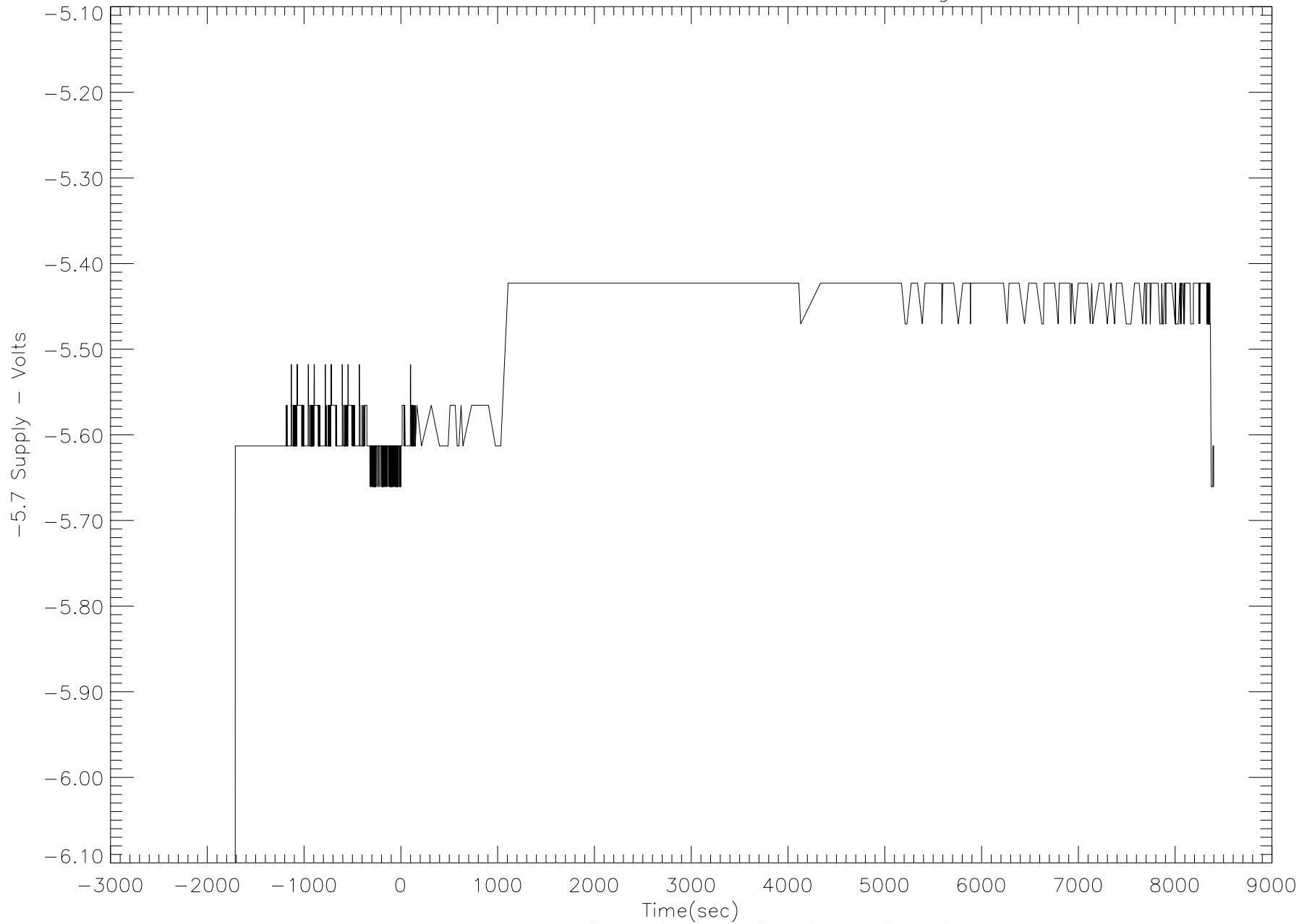
GCMS IdleA Data Value vs. Relative Time, Page 63



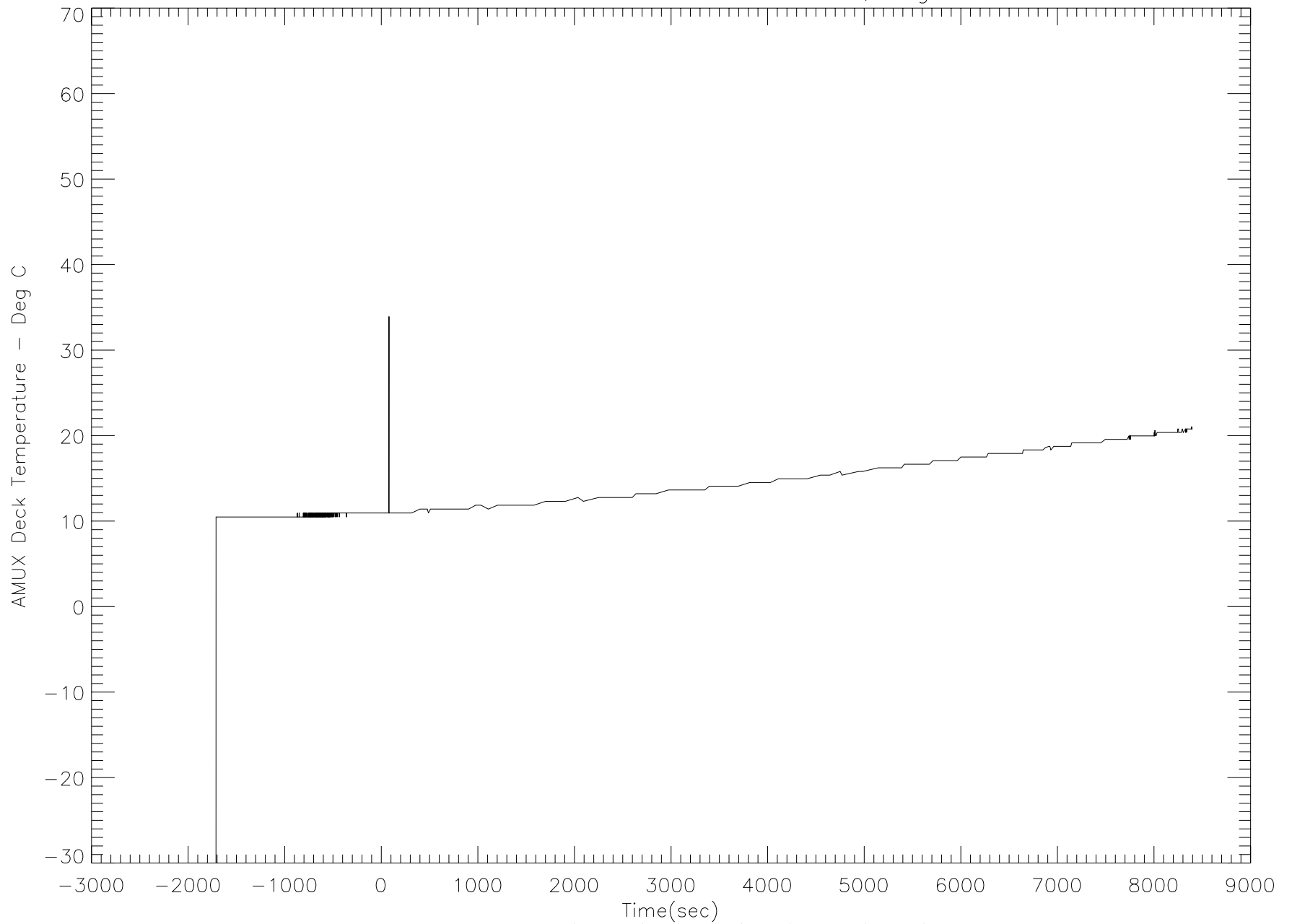
GCMS IdleA Data Value vs. Relative Time, Page 64



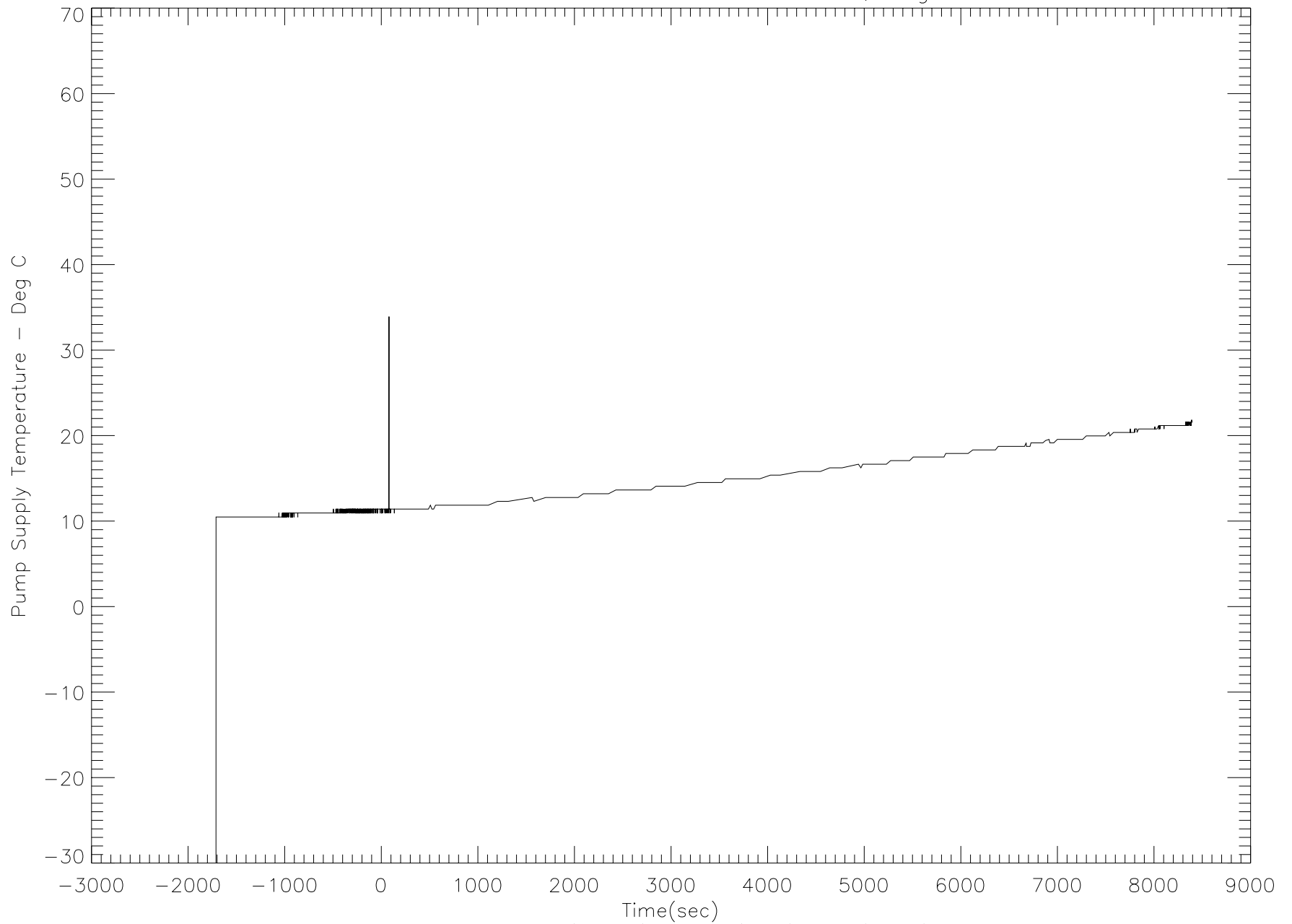
GCMS IdleA Data Value vs. Relative Time, Page 65



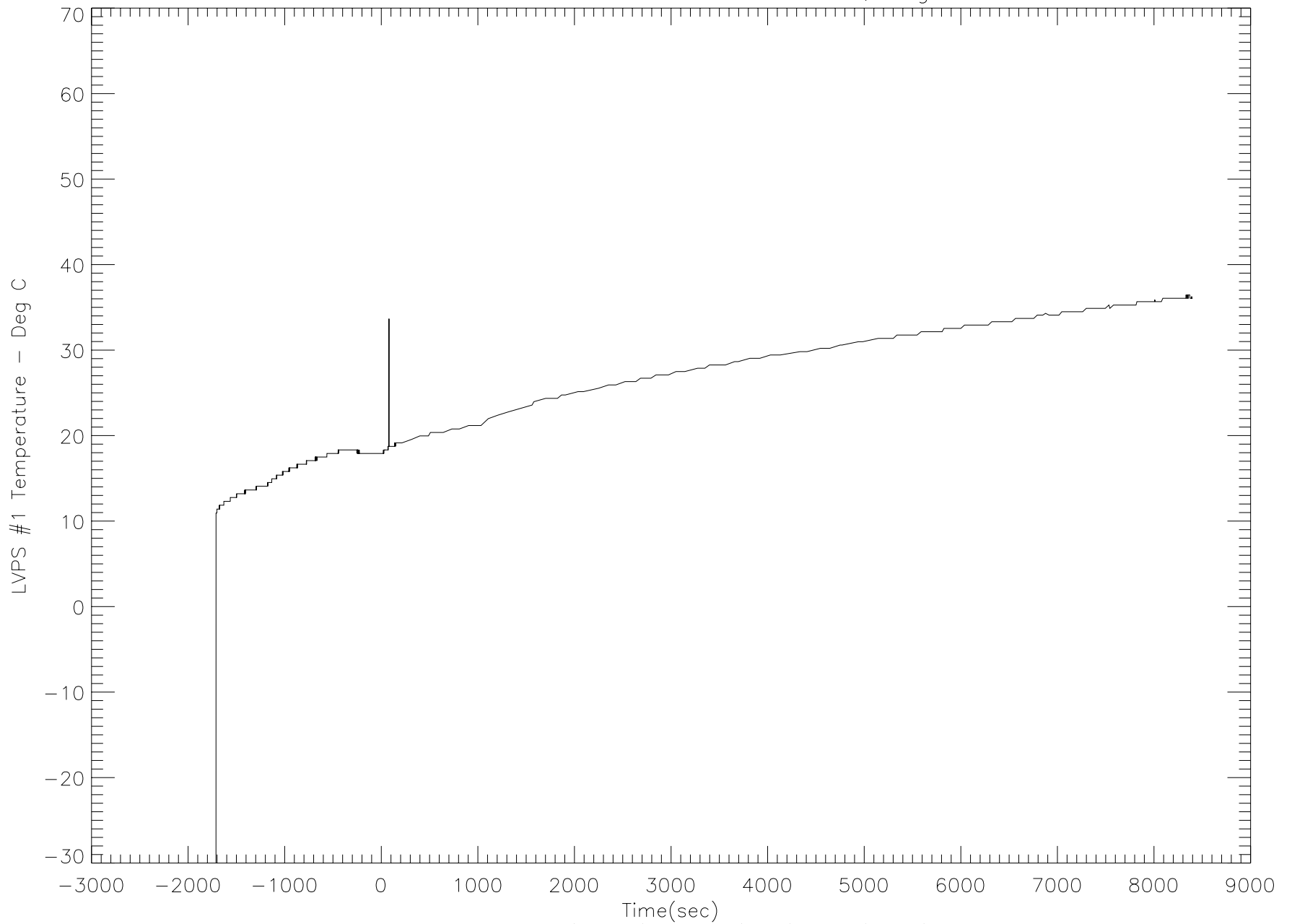
GCMS IdleA Data Value vs. Relative Time, Page 66



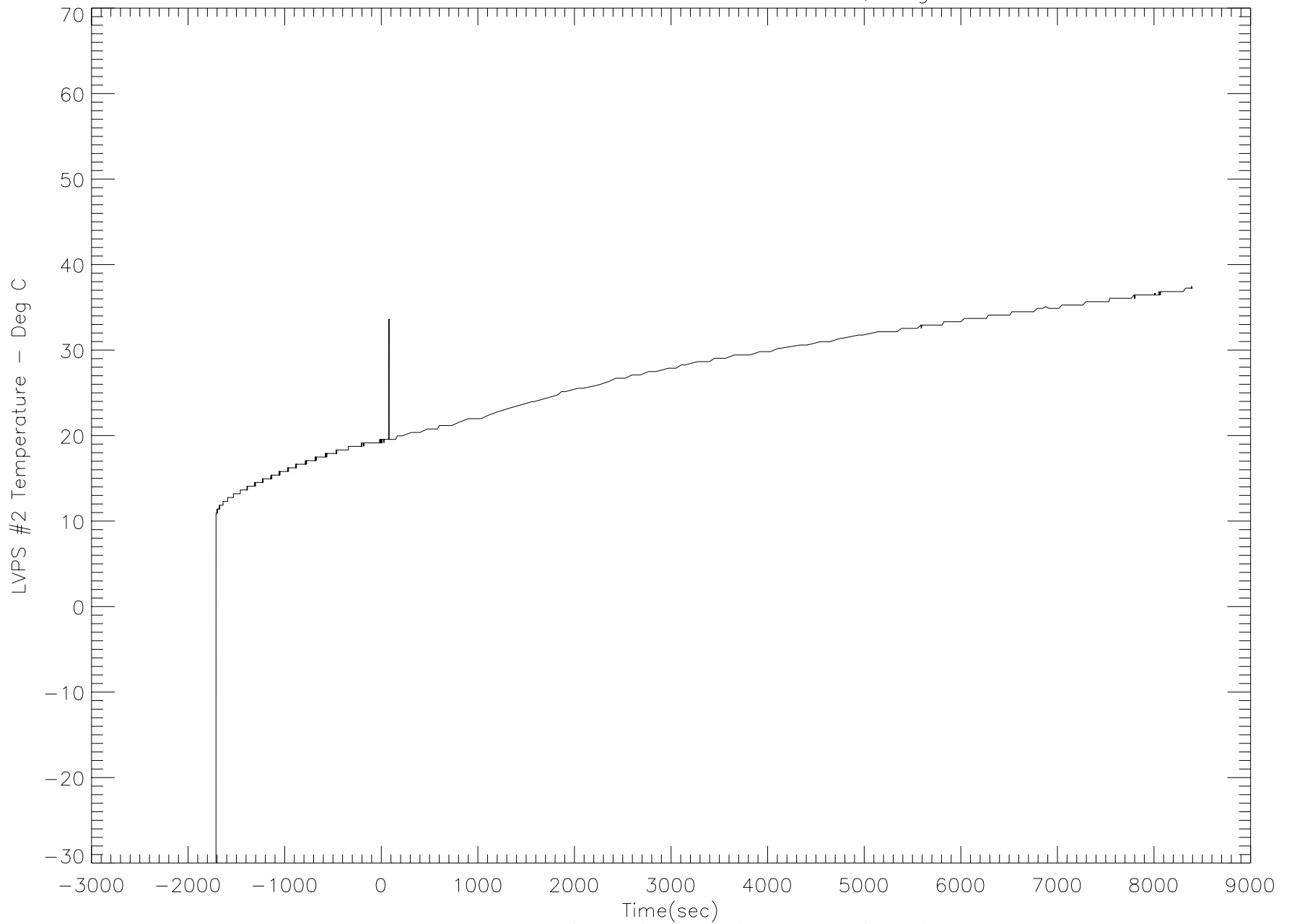
GCMS IdleA Data Value vs. Relative Time, Page 67



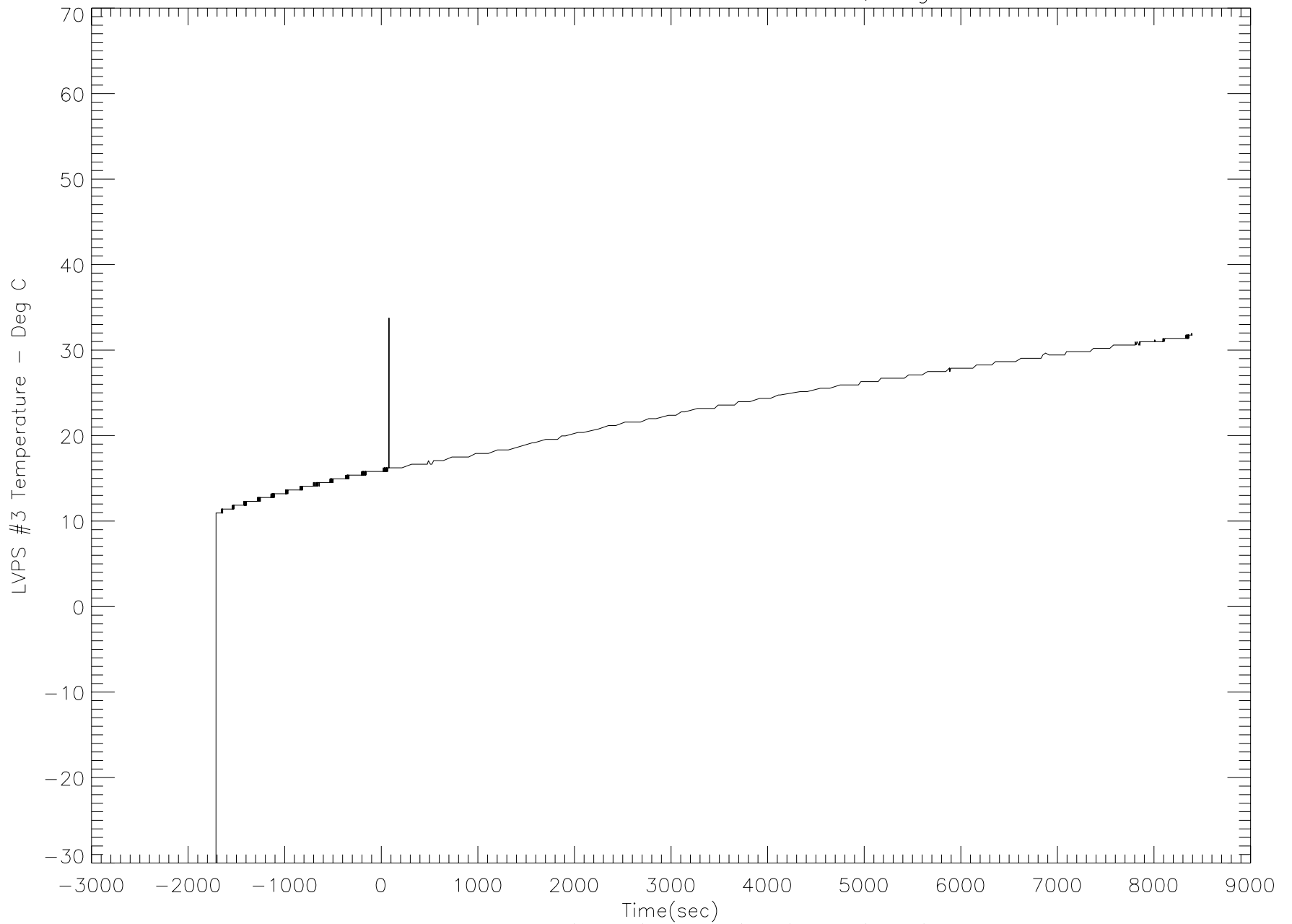
GCMS IdleA Data Value vs. Relative Time, Page 68



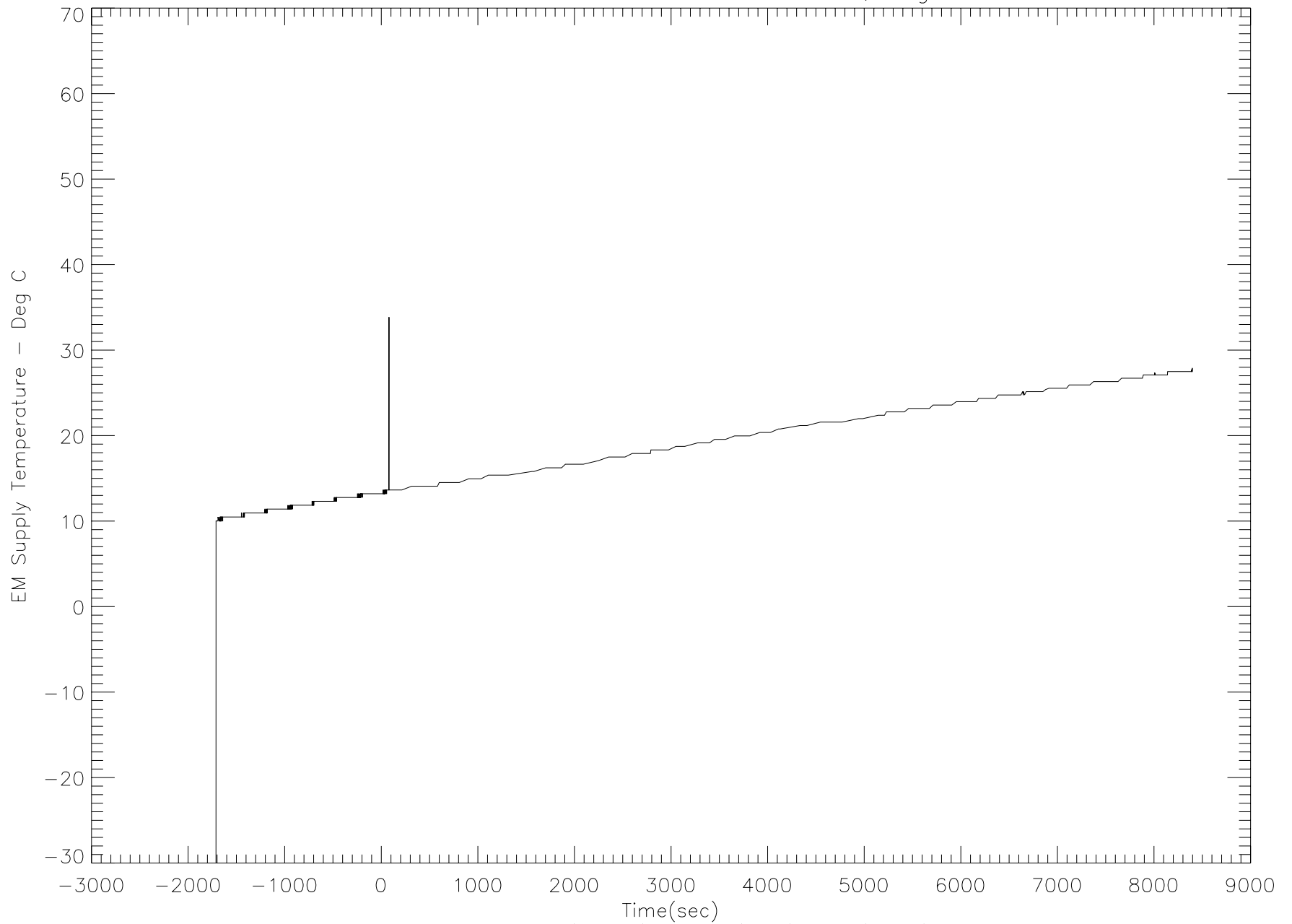
GCMS IdleA Data Value vs. Relative Time, Page 69



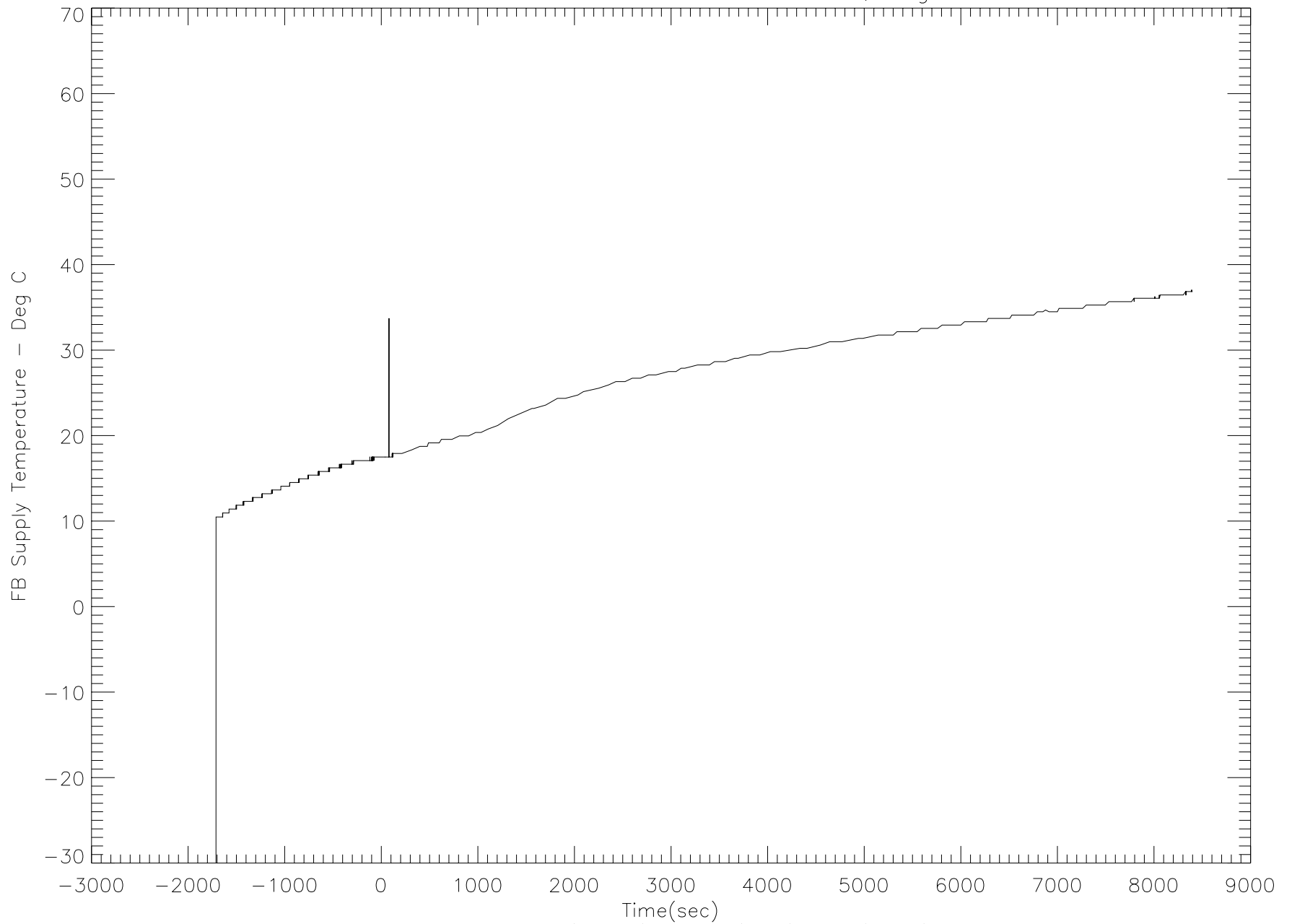
GCMS IdleA Data Value vs. Relative Time, Page 70



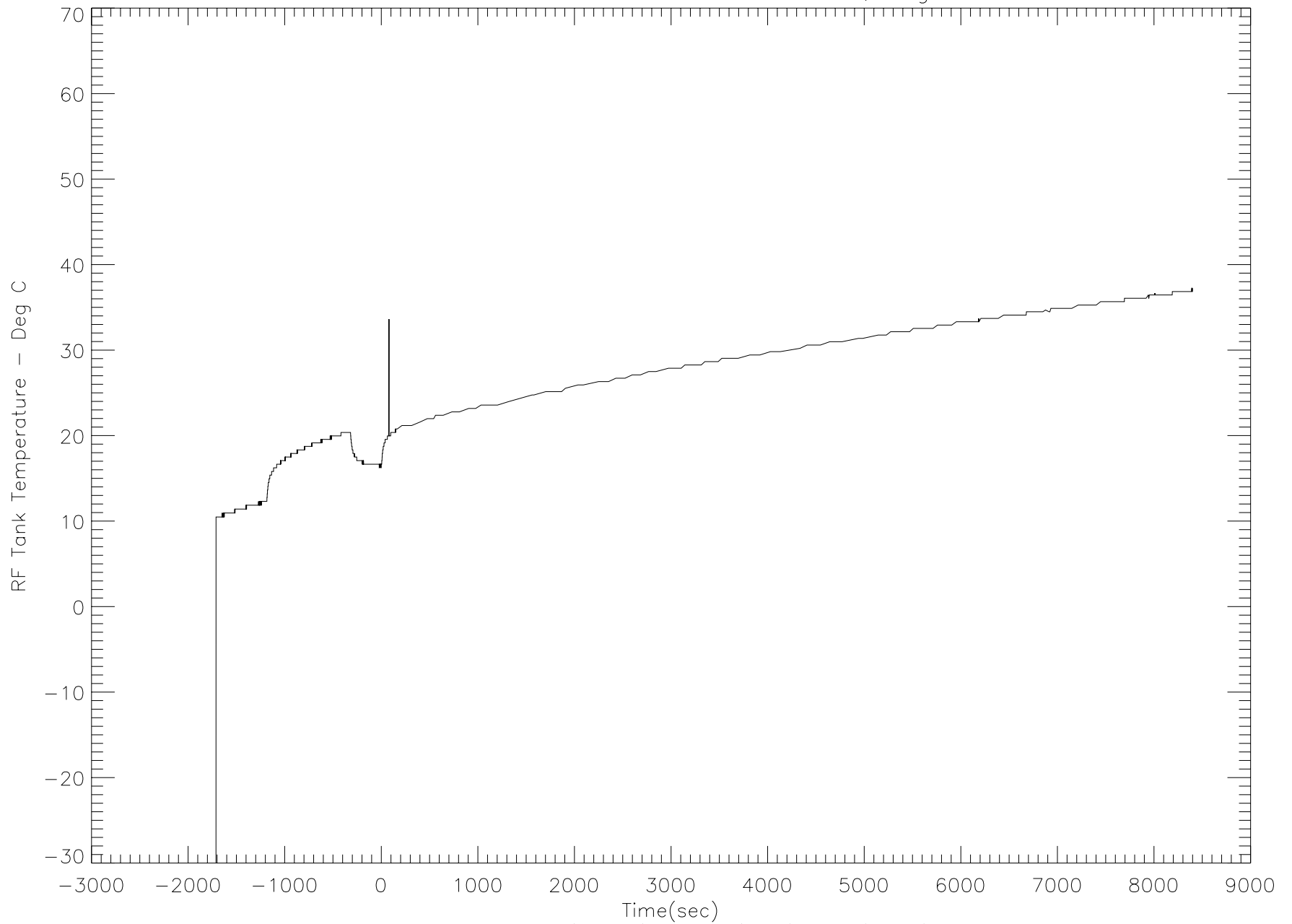
GCMS IdleA Data Value vs. Relative Time, Page 71



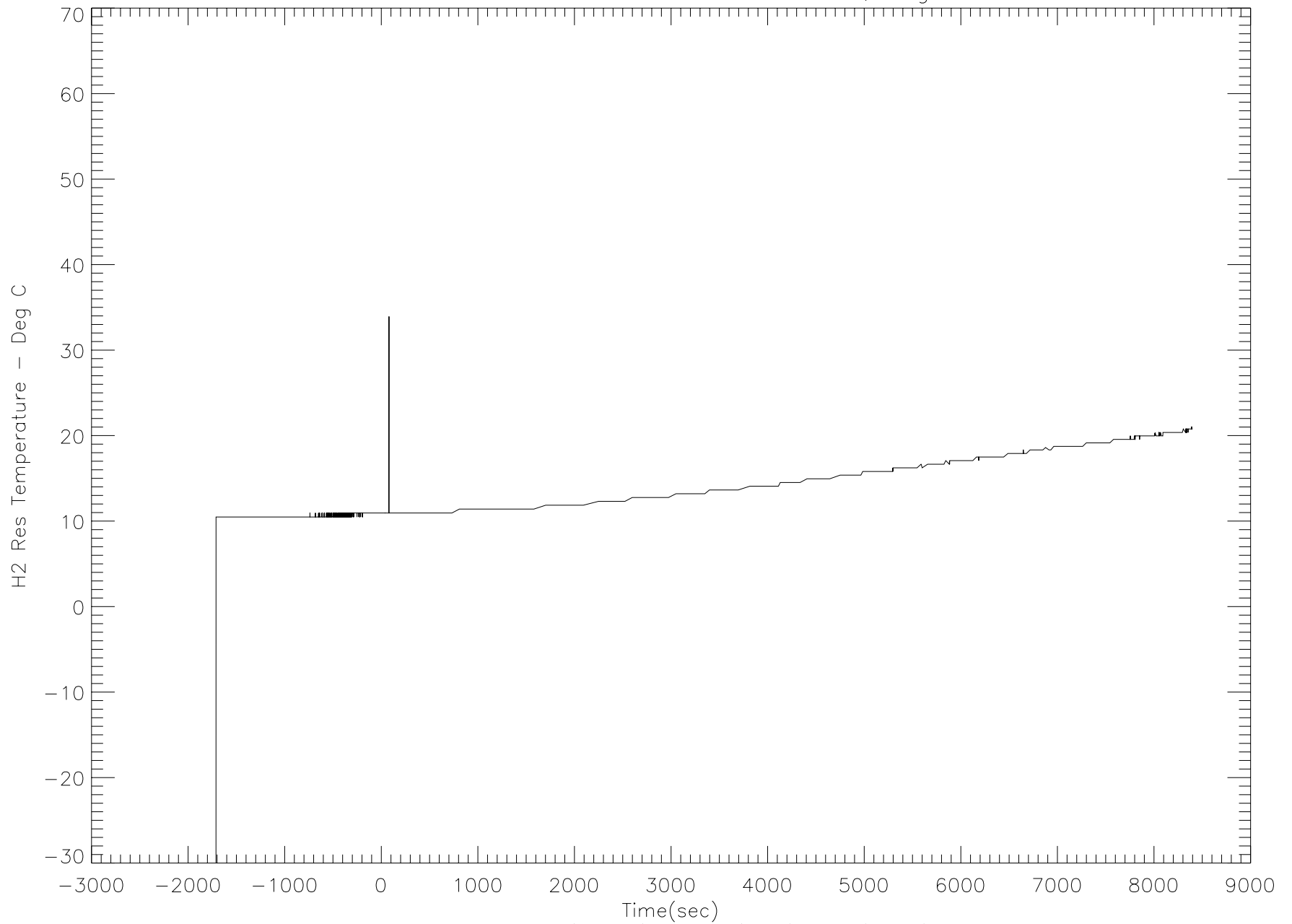
GCMS IdleA Data Value vs. Relative Time, Page 72



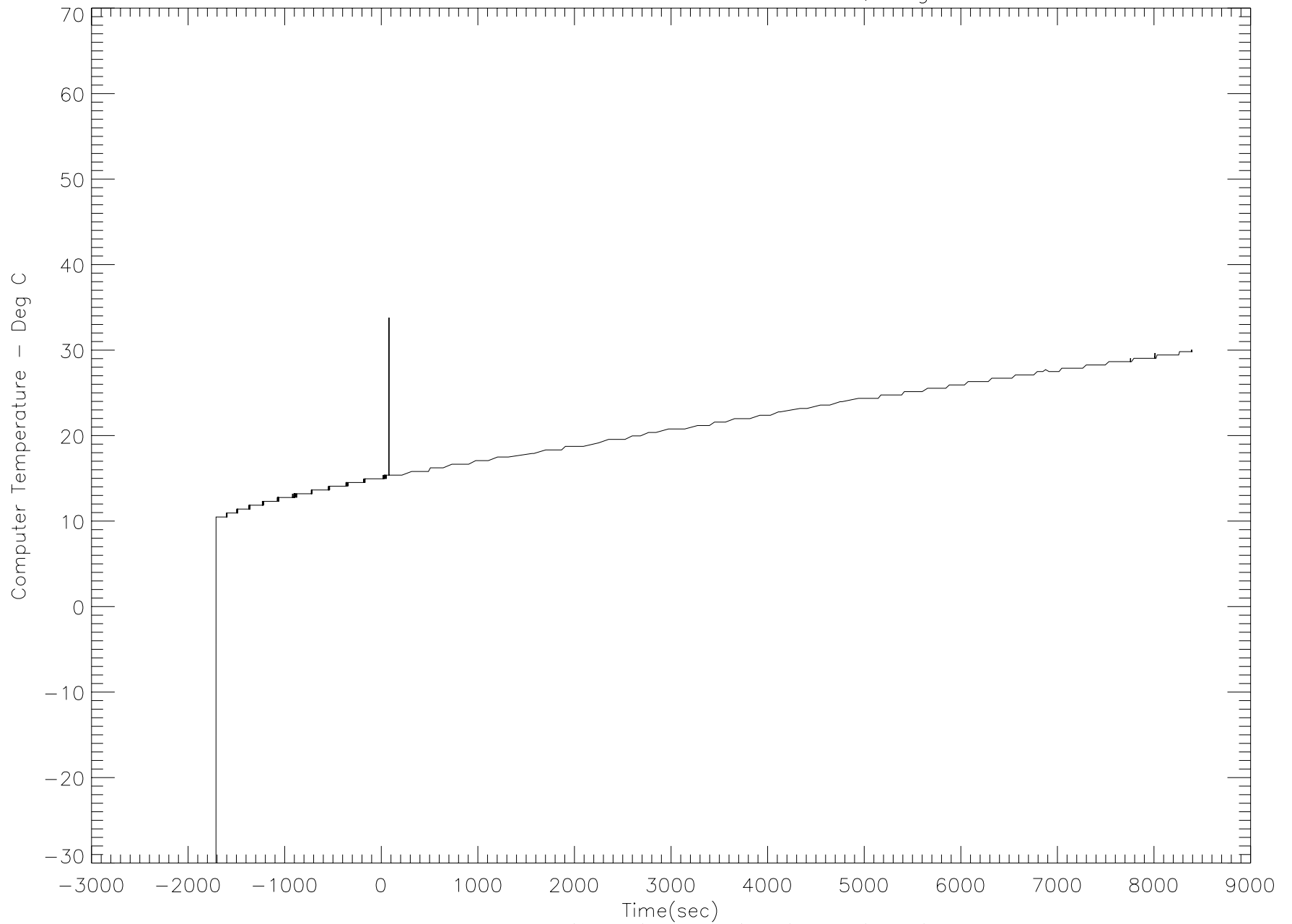
GCMS IdleA Data Value vs. Relative Time, Page 73



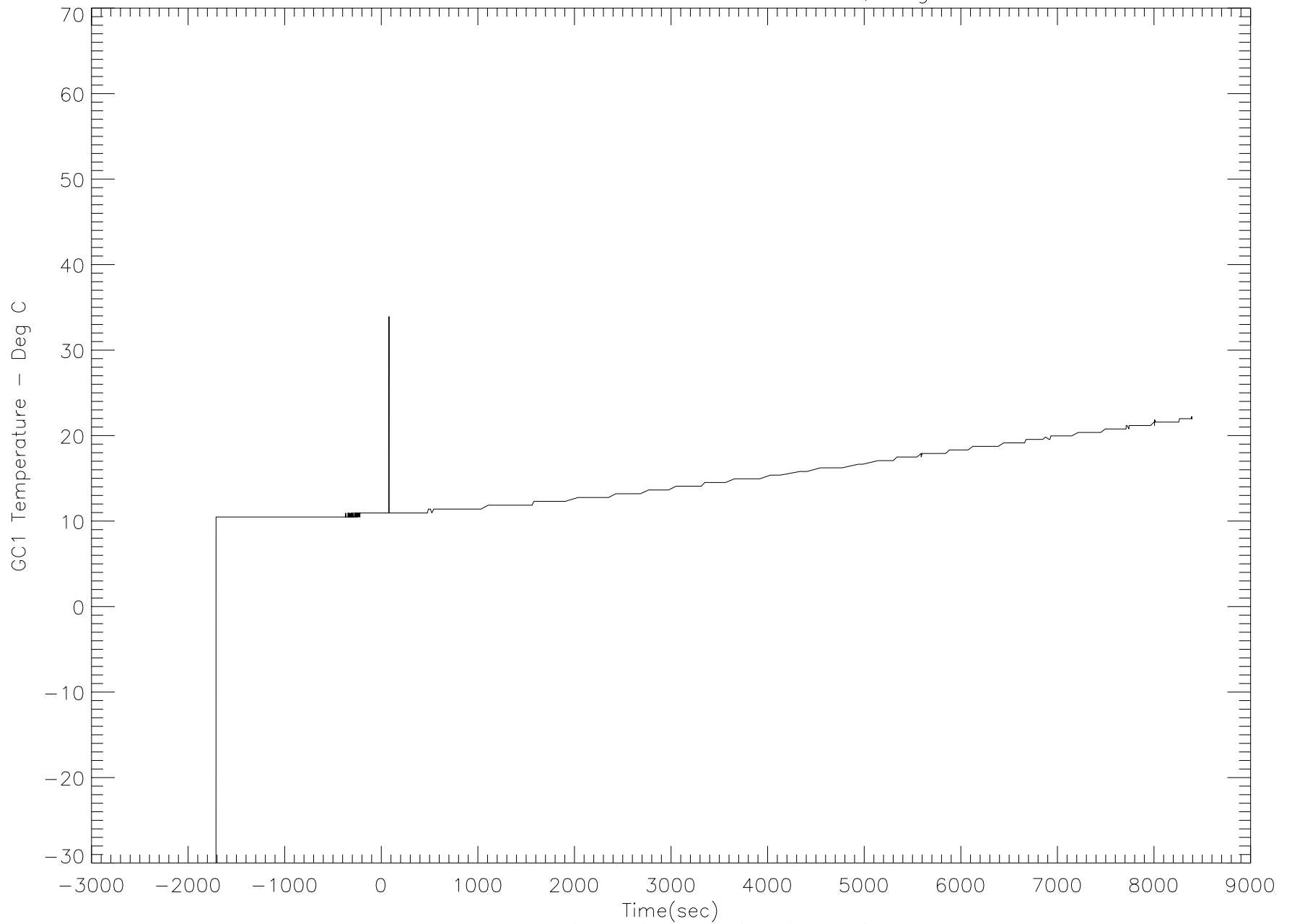
GCMS IdleA Data Value vs. Relative Time, Page 74



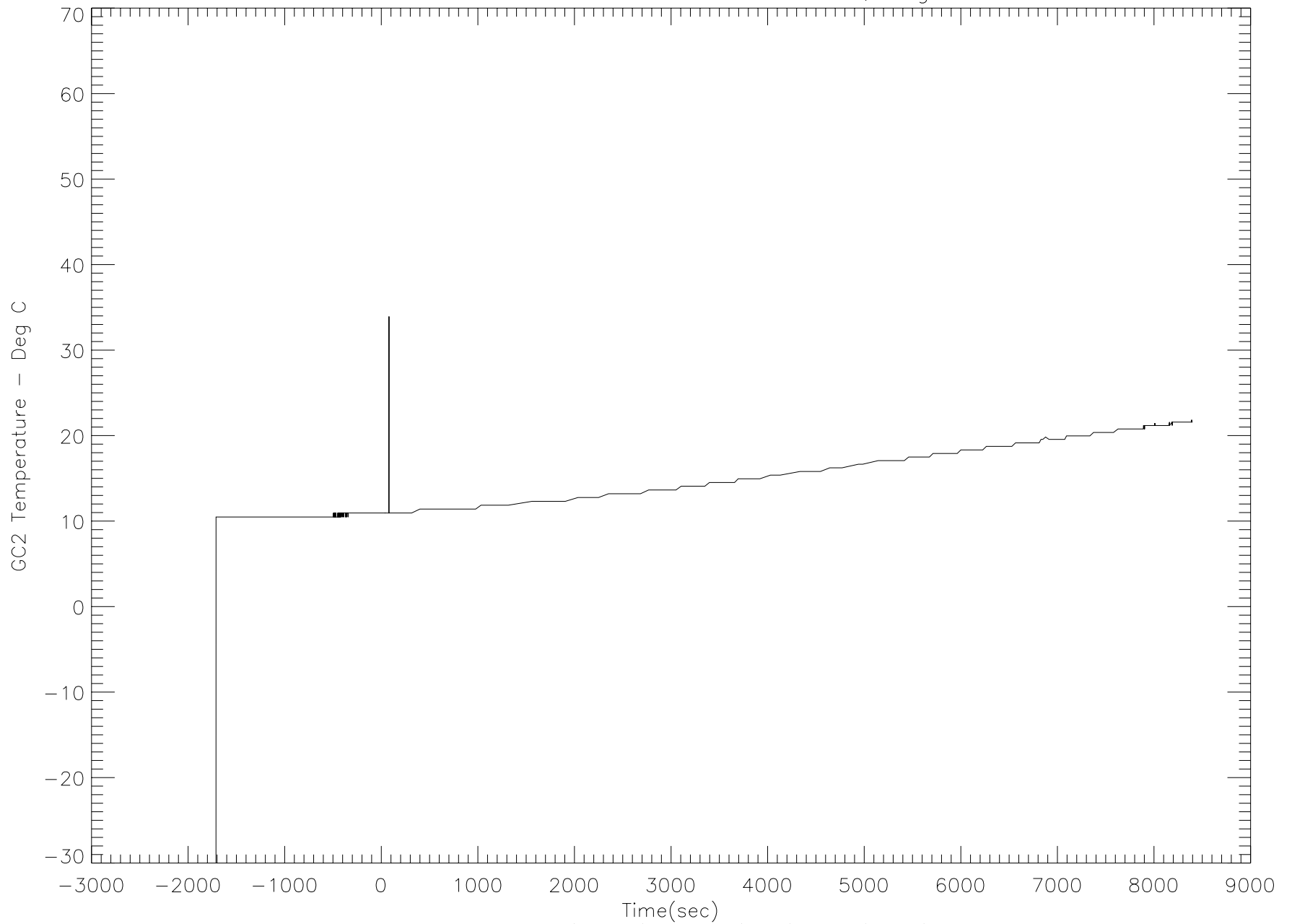
GCMS IdleA Data Value vs. Relative Time, Page 75



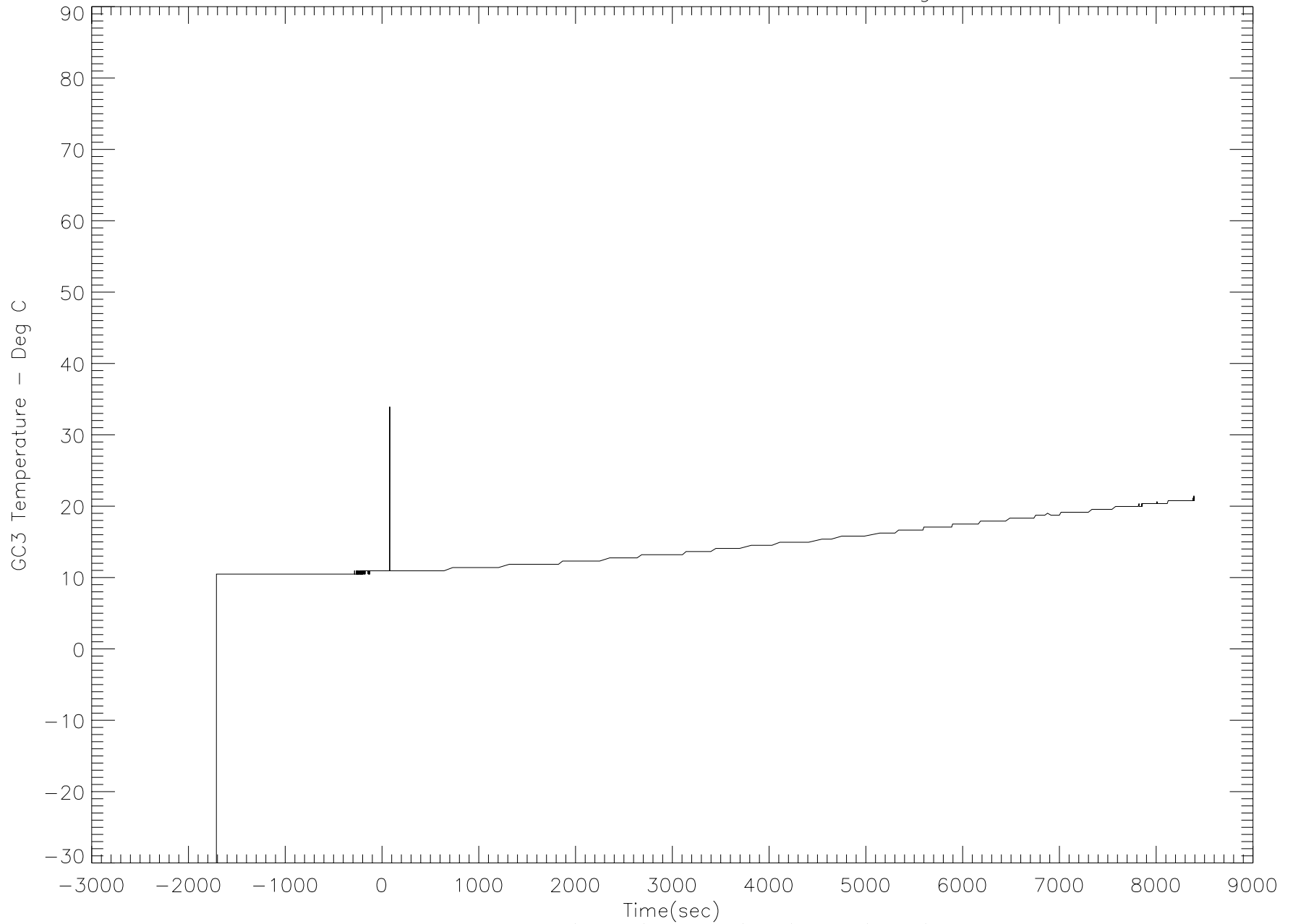
GCMS IdleA Data Value vs. Relative Time, Page 76



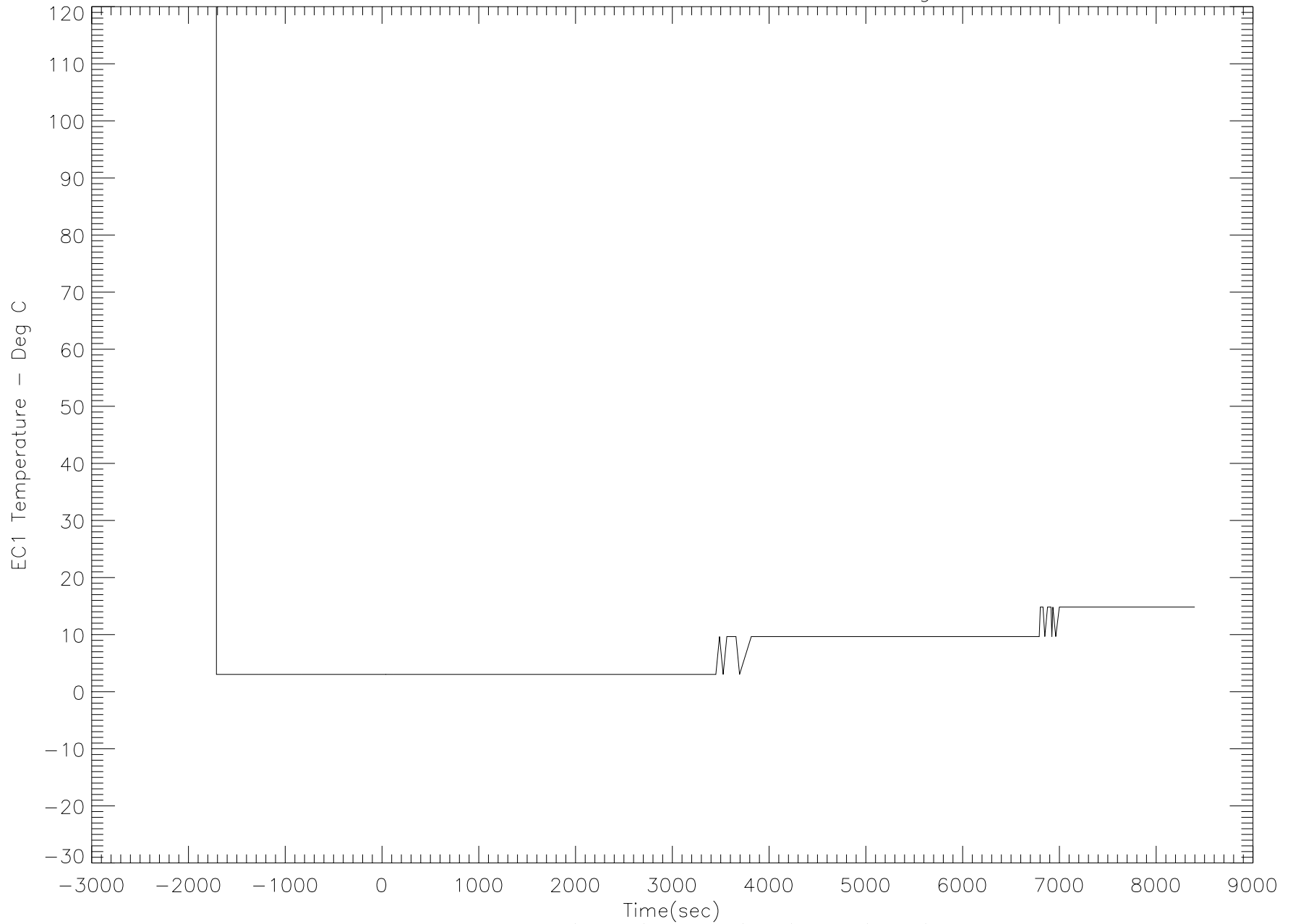
GCMS IdleA Data Value vs. Relative Time, Page 77



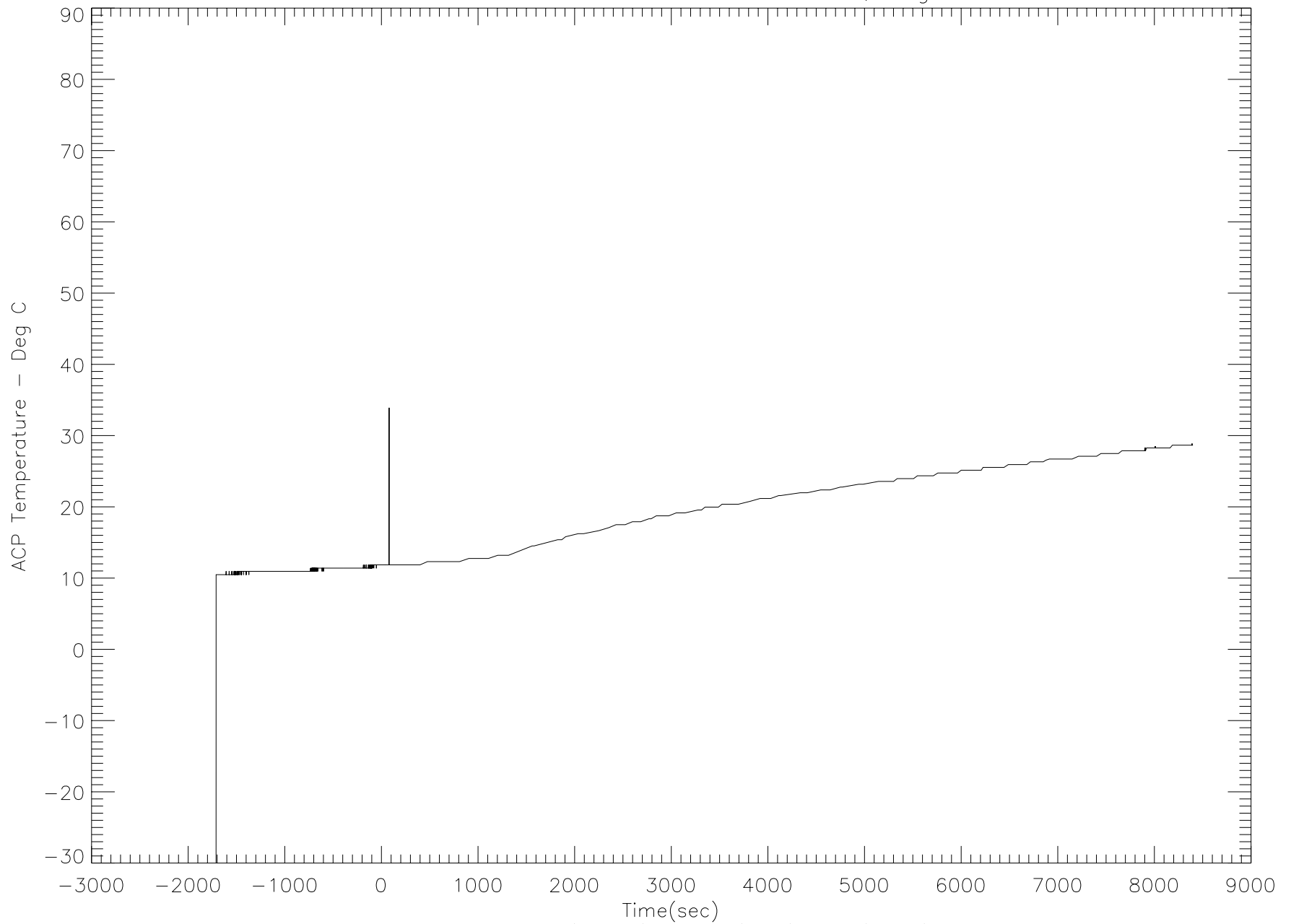
GCMS IdleA Data Value vs. Relative Time, Page 78



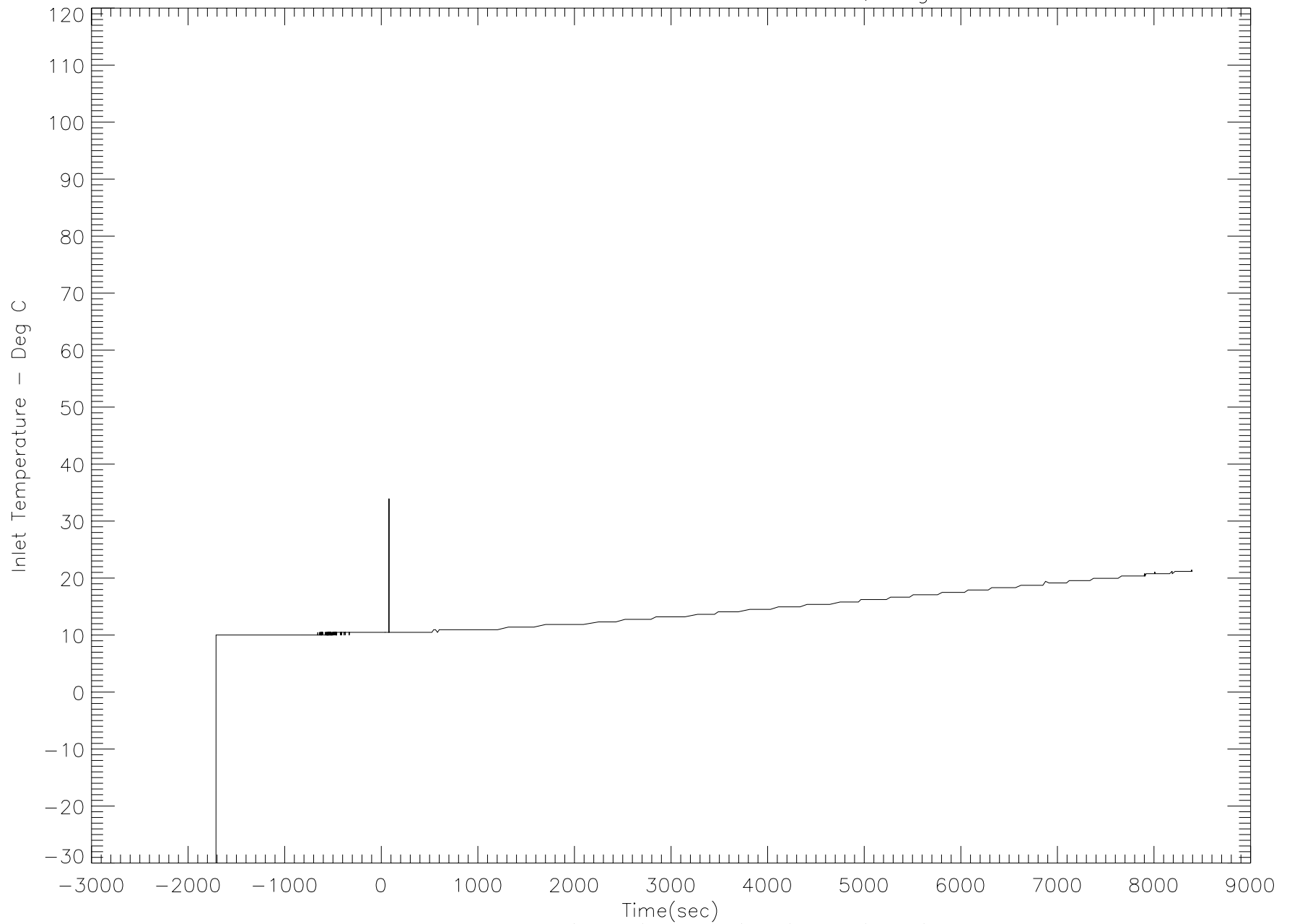
GCMS IdleA Data Value vs. Relative Time, Page 79



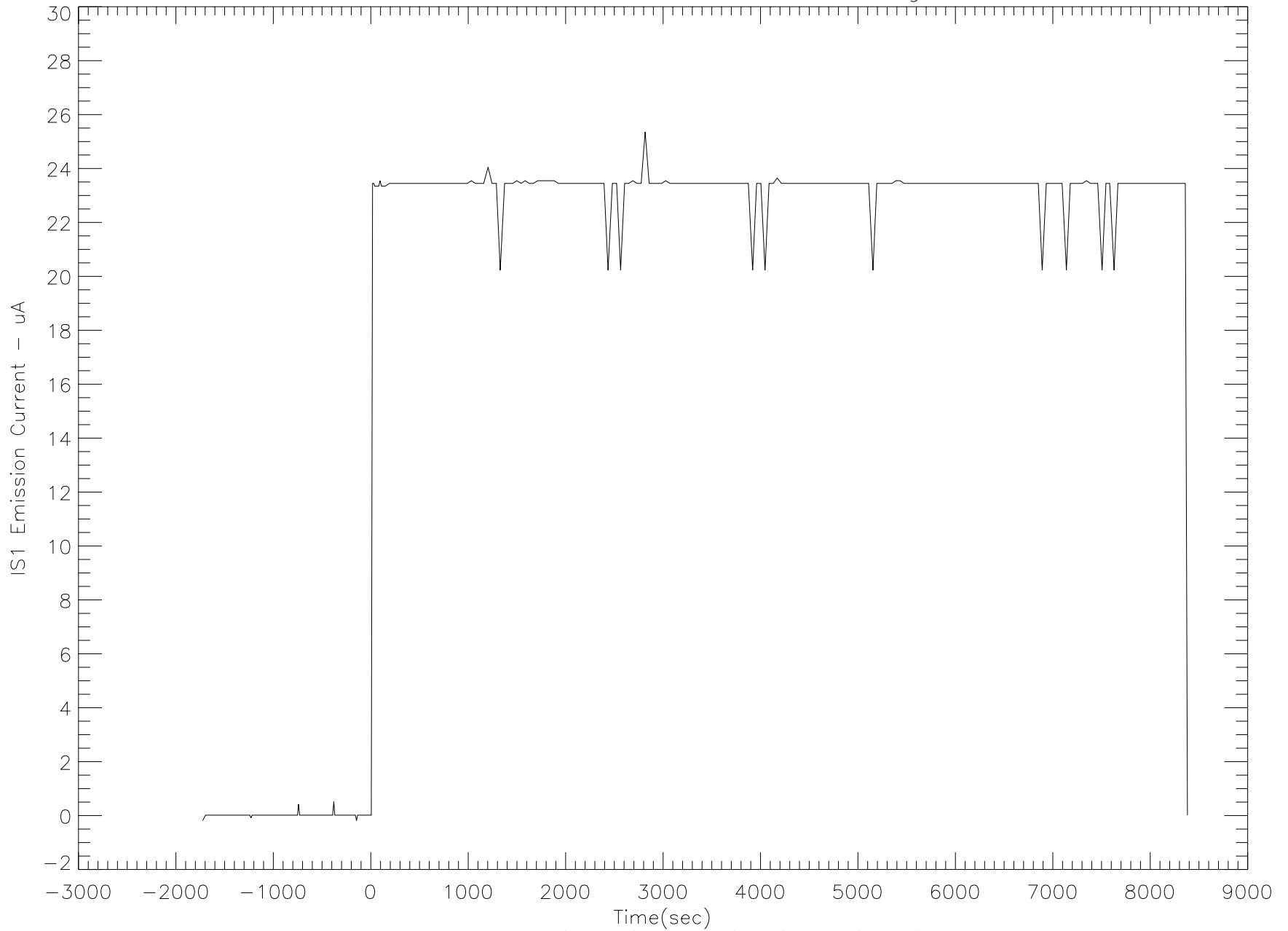
GCMS IdleA Data Value vs. Relative Time, Page 80



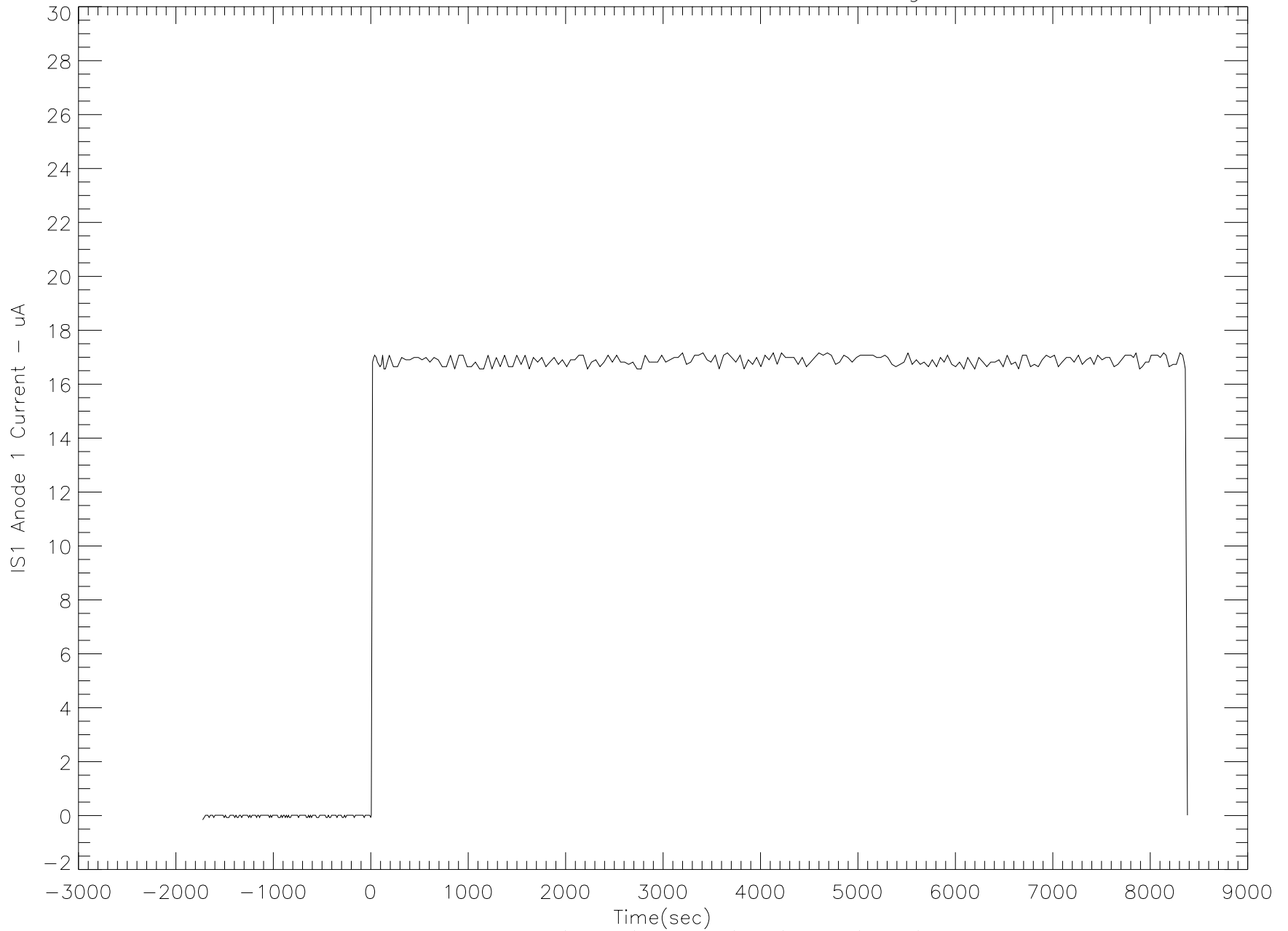
GCMS IdleA Data Value vs. Relative Time, Page 81



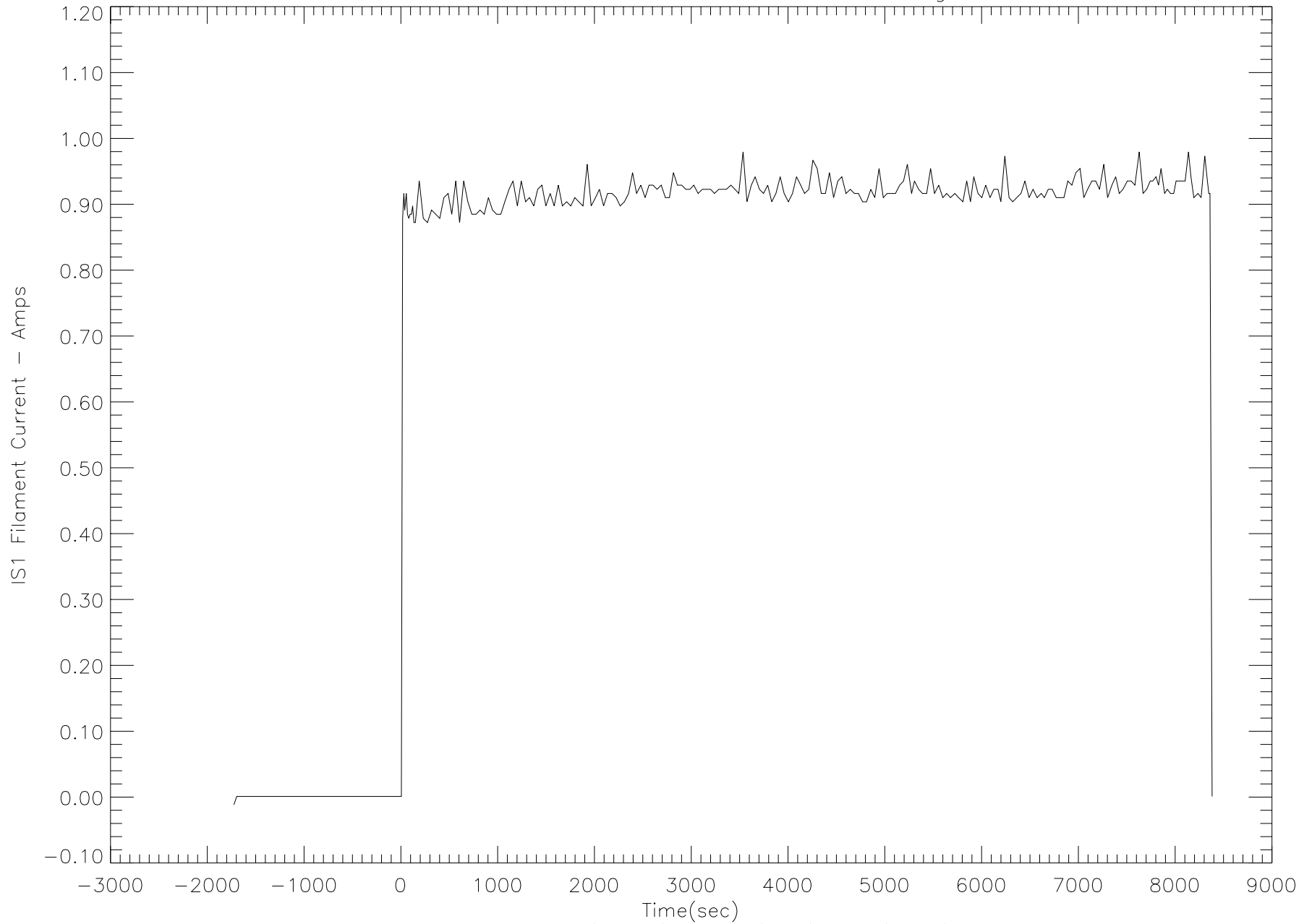
GCMS HK Data Value vs. Relative Time, Page 1



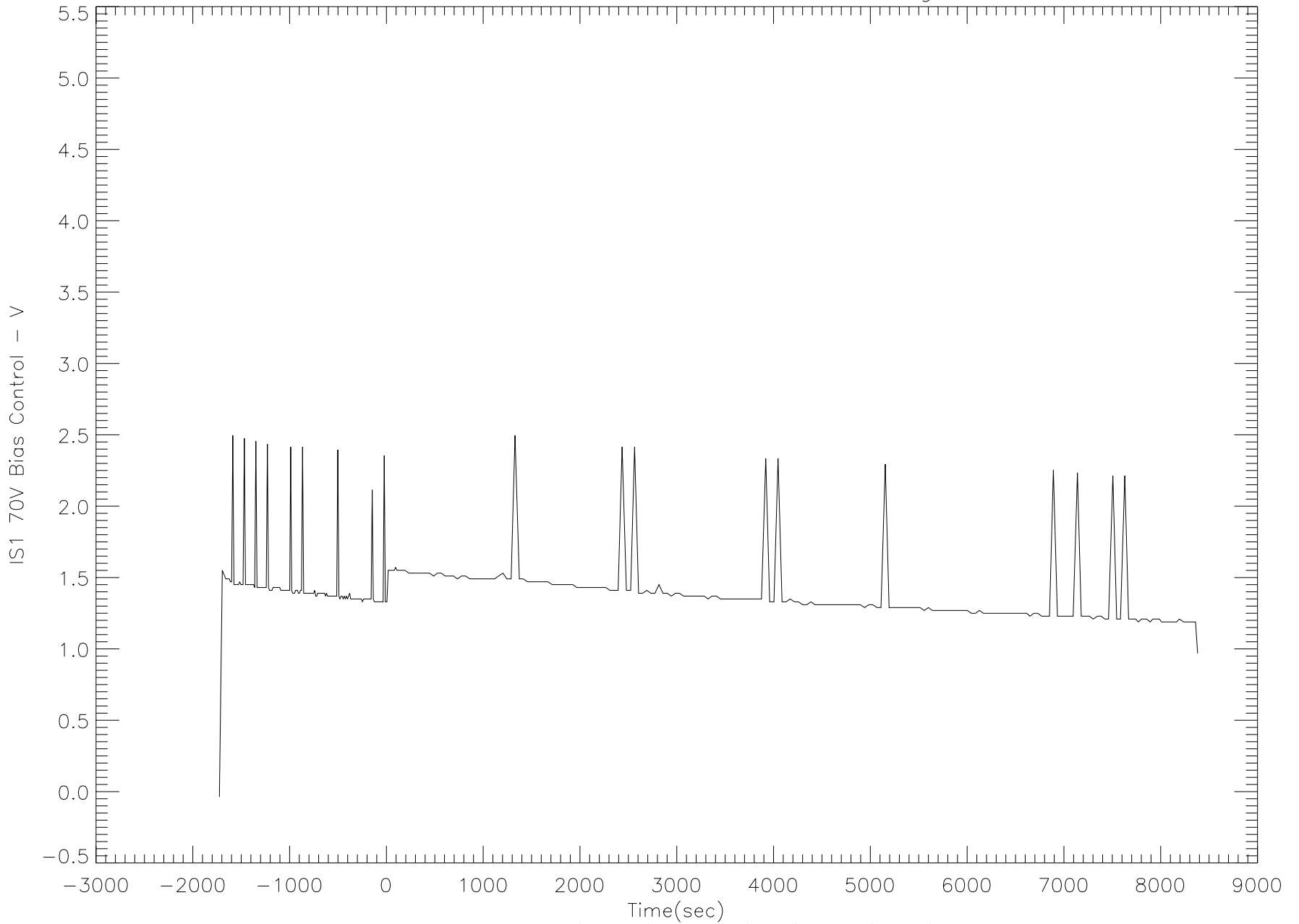
GCMS HK Data Value vs. Relative Time, Page 2



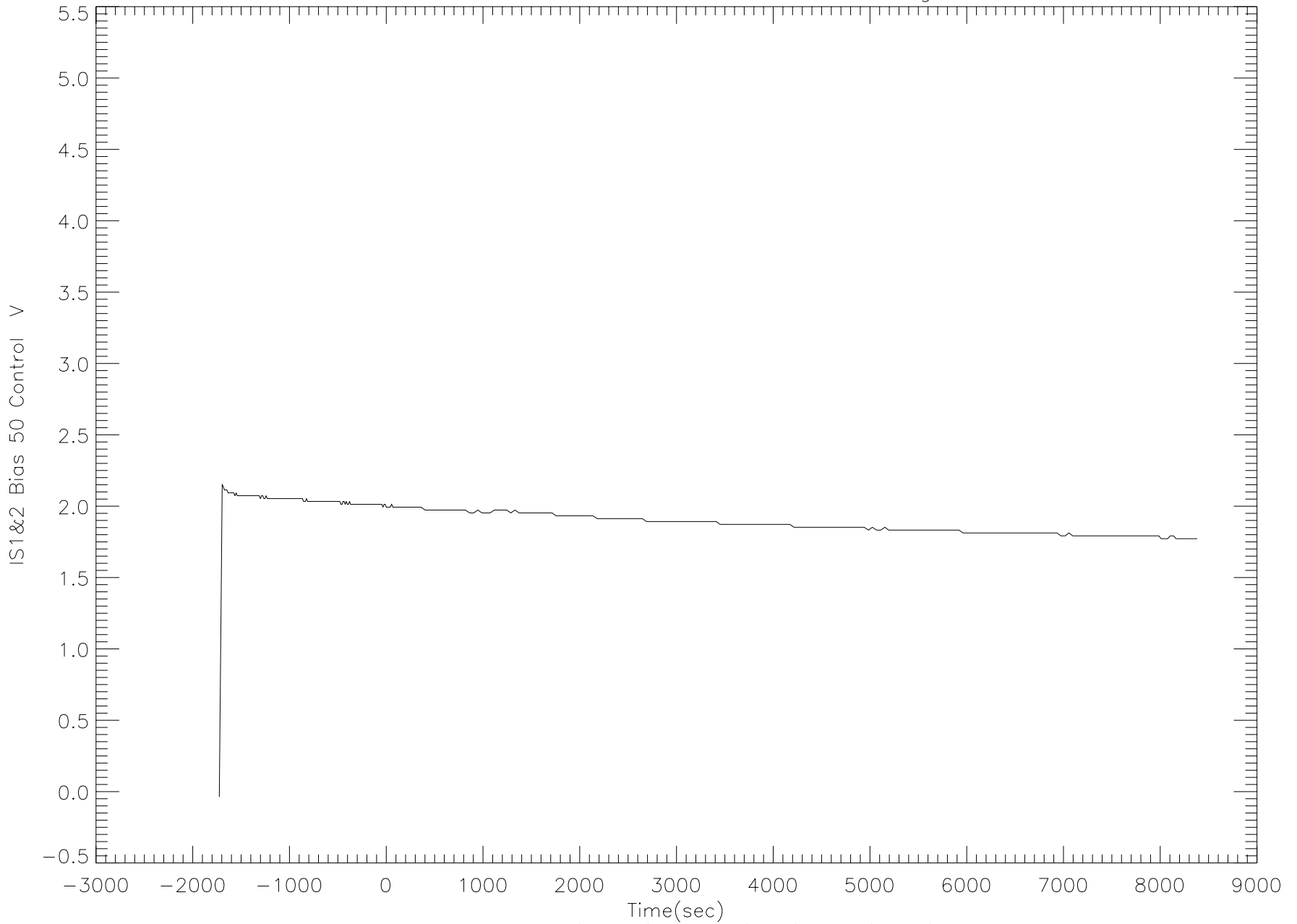
GCMS HK Data Value vs. Relative Time, Page 3



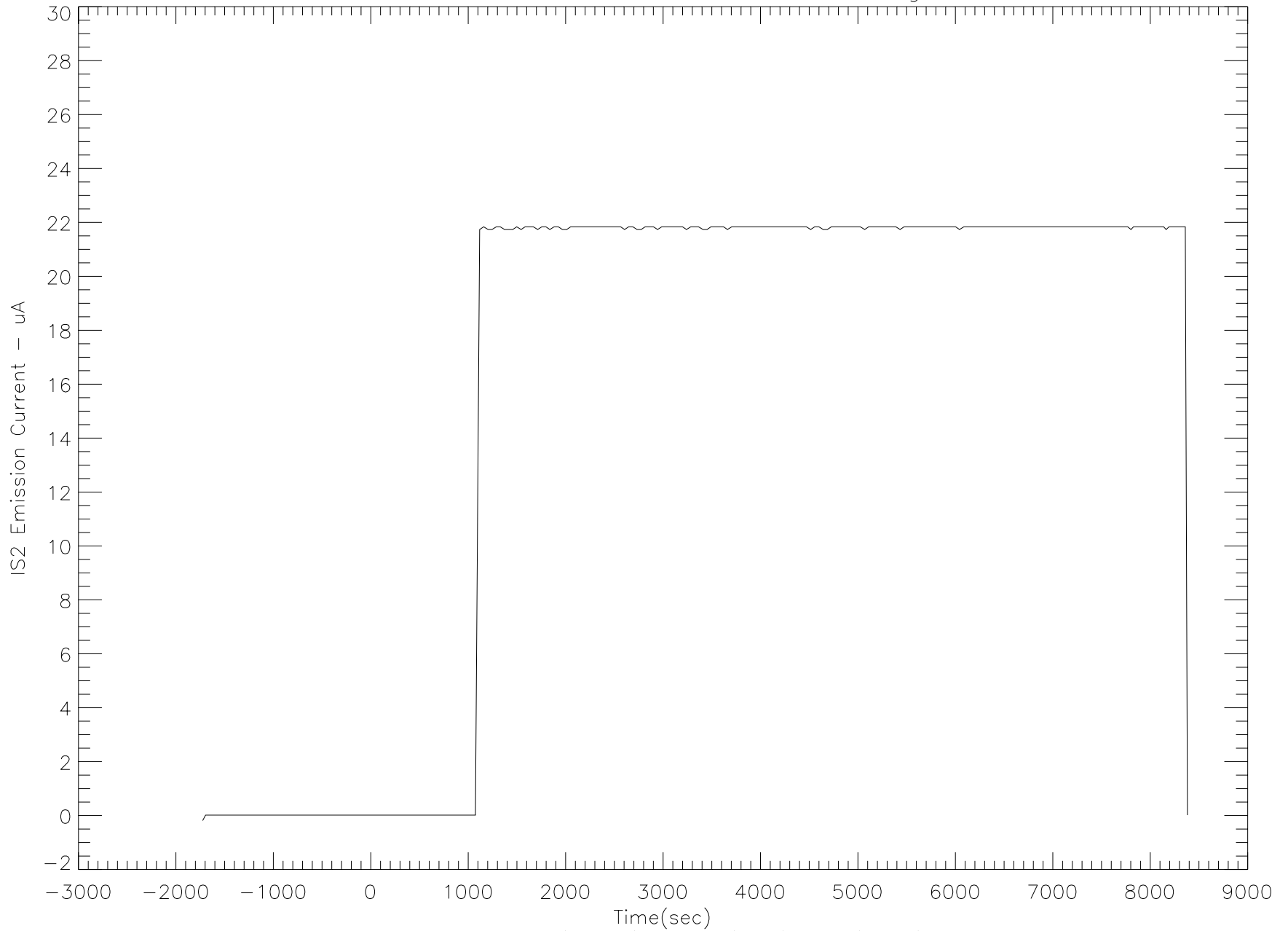
GCMS HK Data Value vs. Relative Time, Page 4



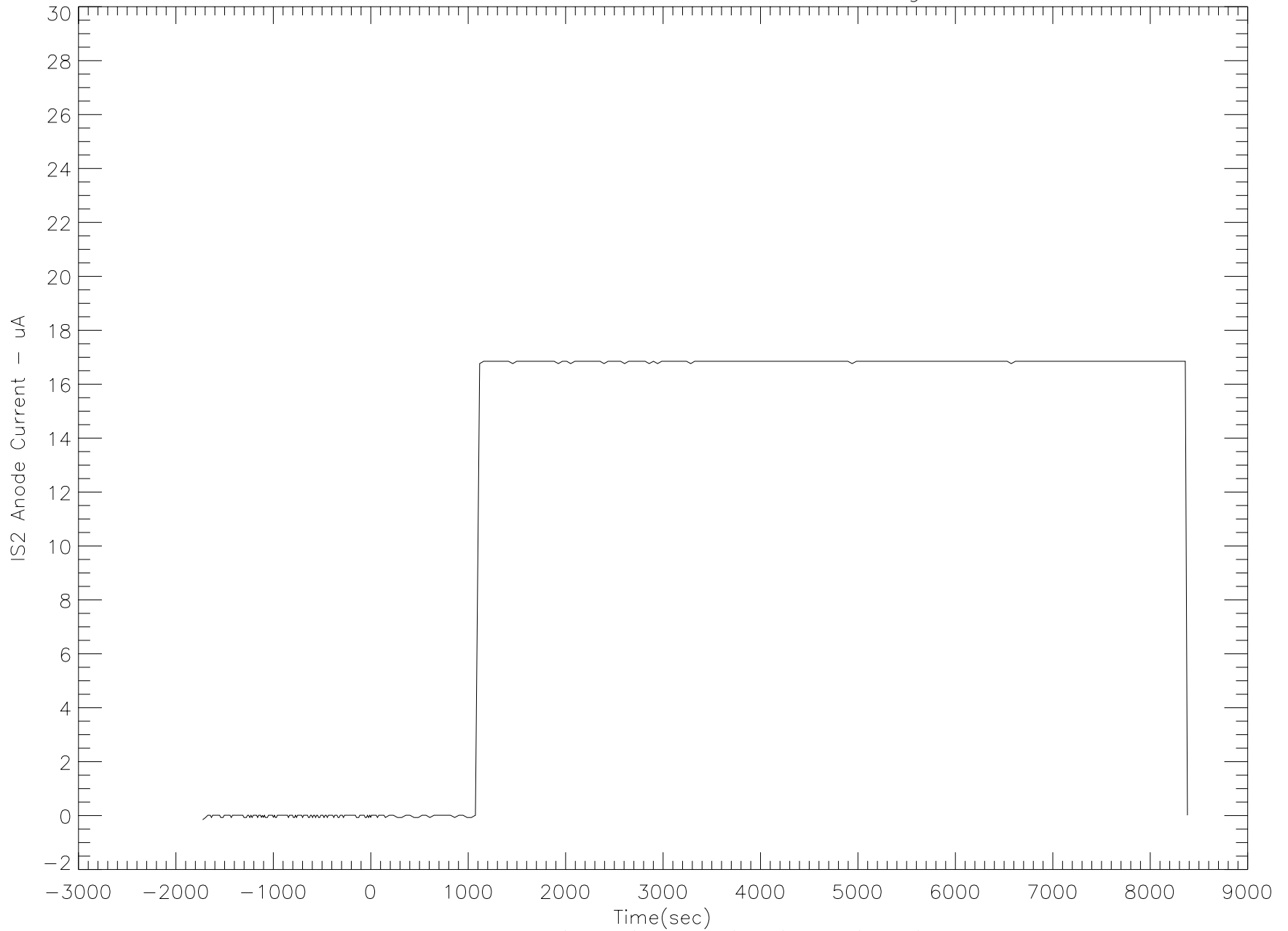
GCMS HK Data Value vs. Relative Time, Page 5



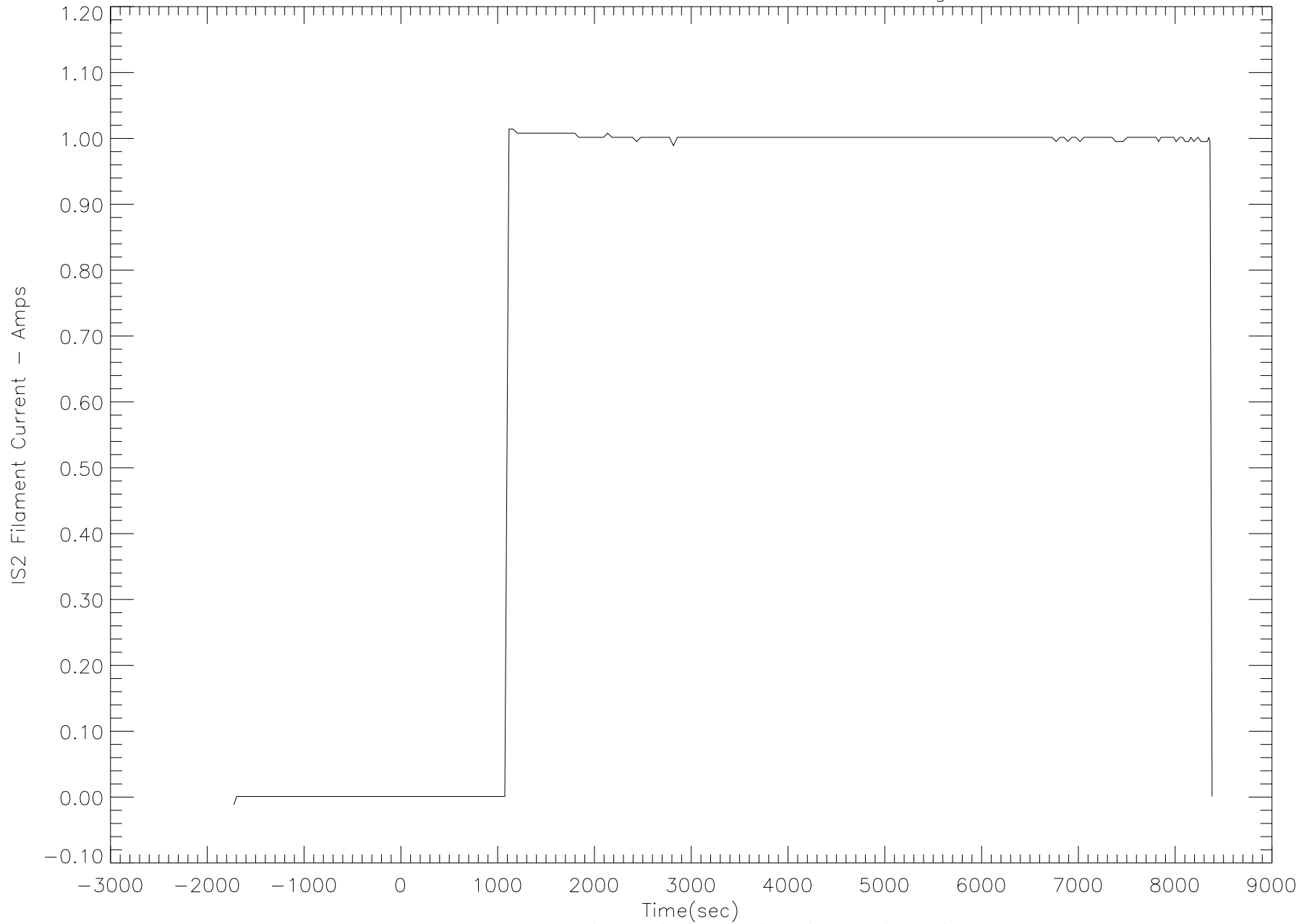
GCMS HK Data Value vs. Relative Time, Page 6



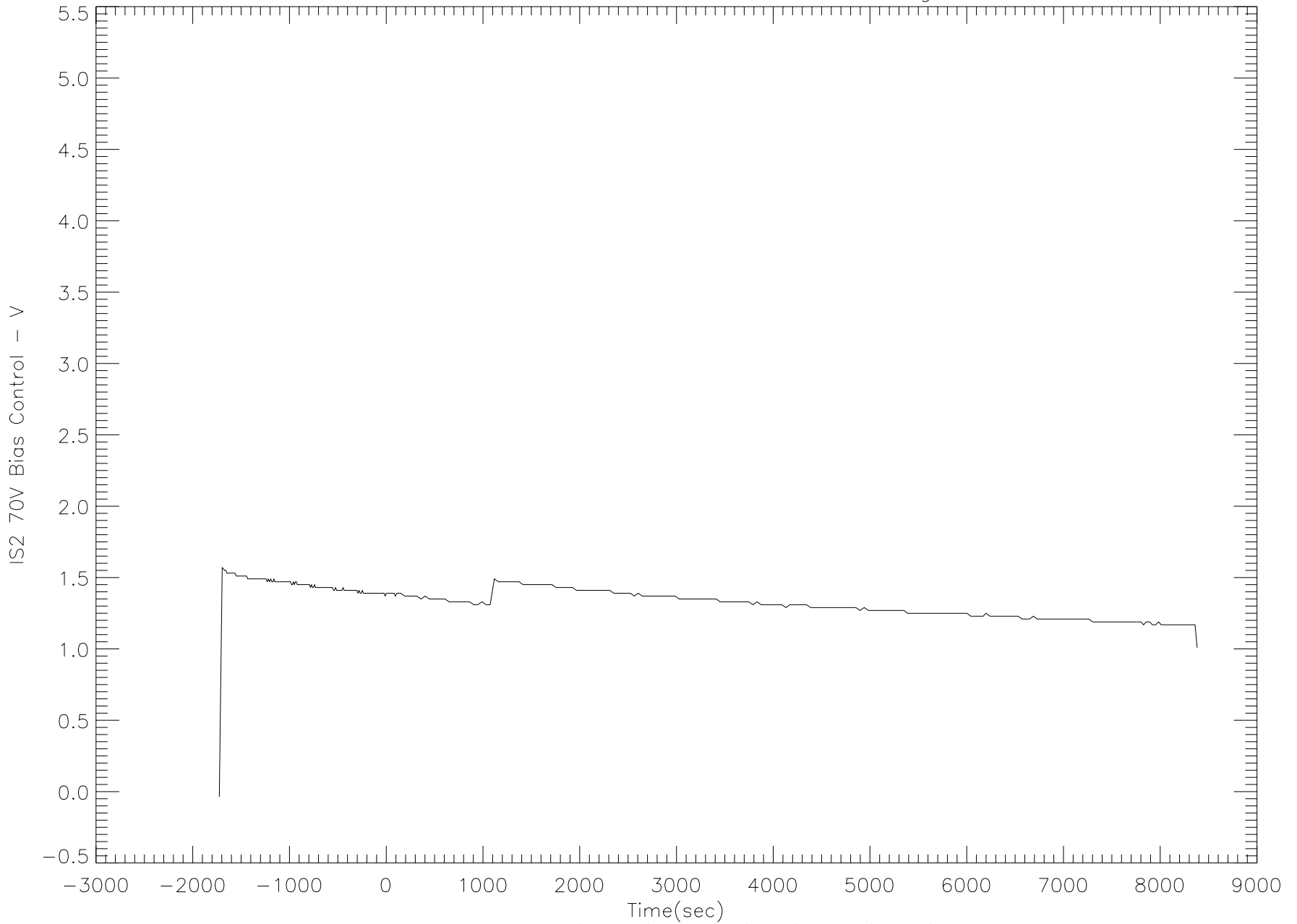
GCMS HK Data Value vs. Relative Time, Page 7



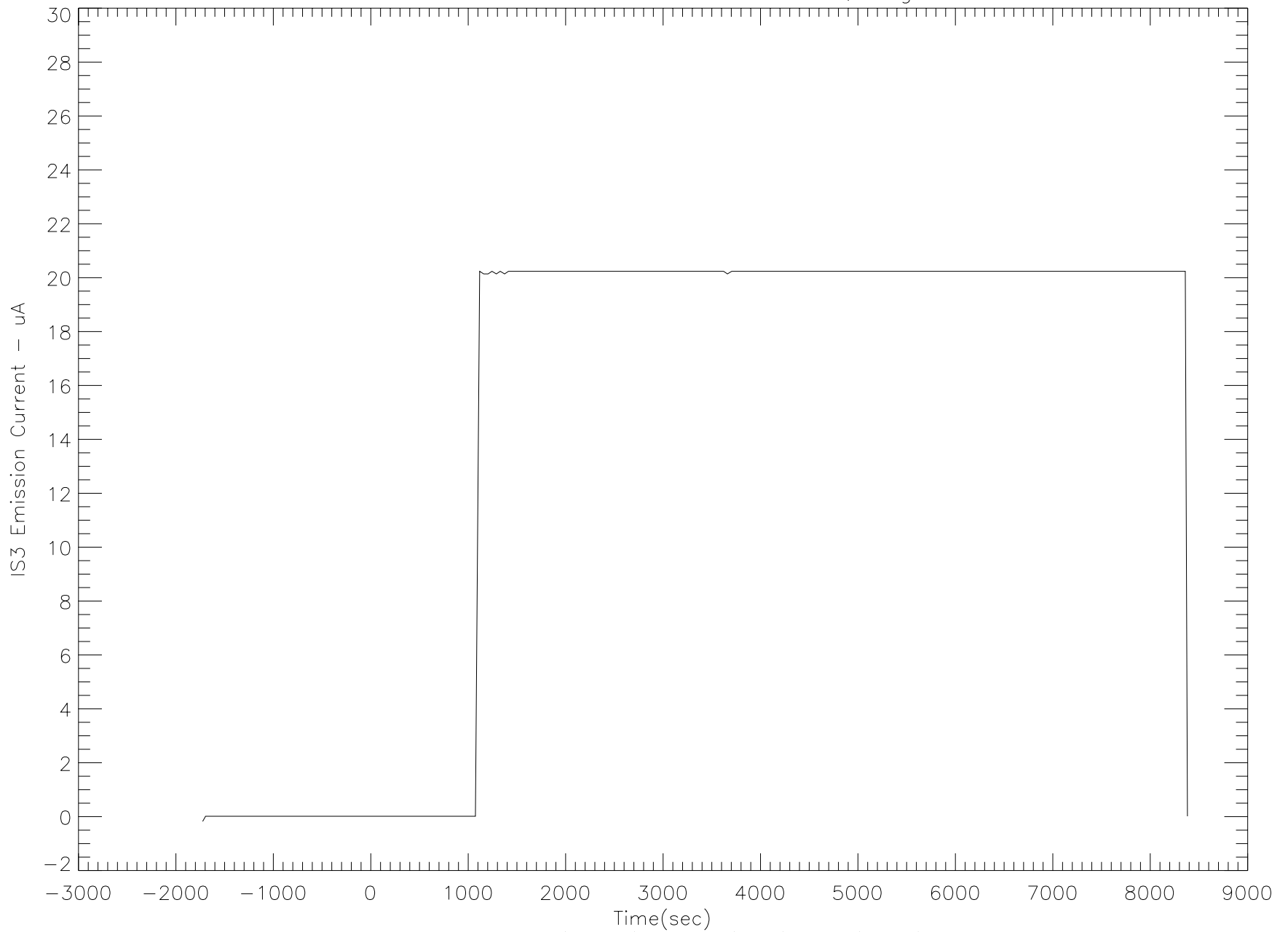
GCMS HK Data Value vs. Relative Time, Page 8



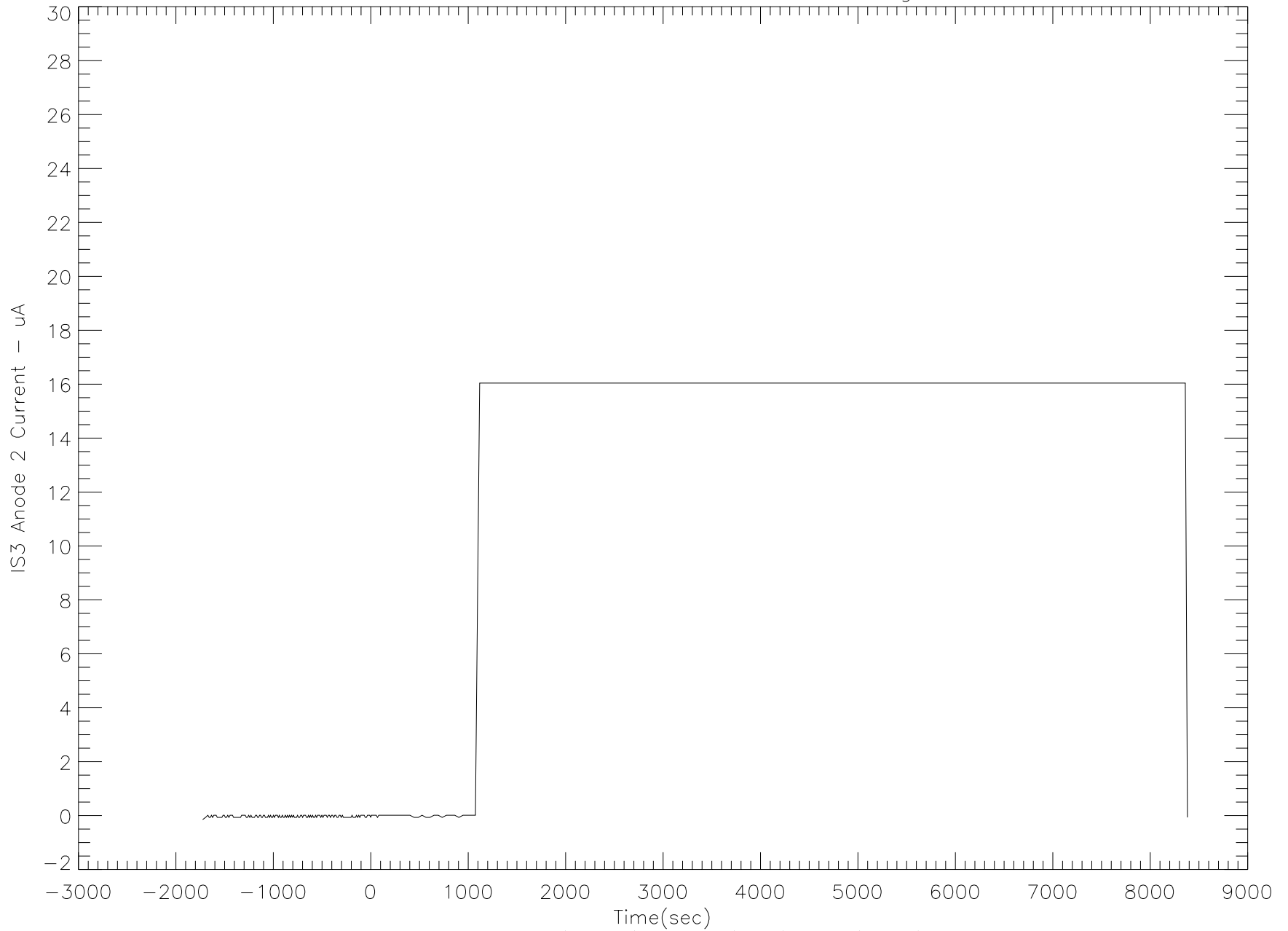
GCMS HK Data Value vs. Relative Time, Page 9



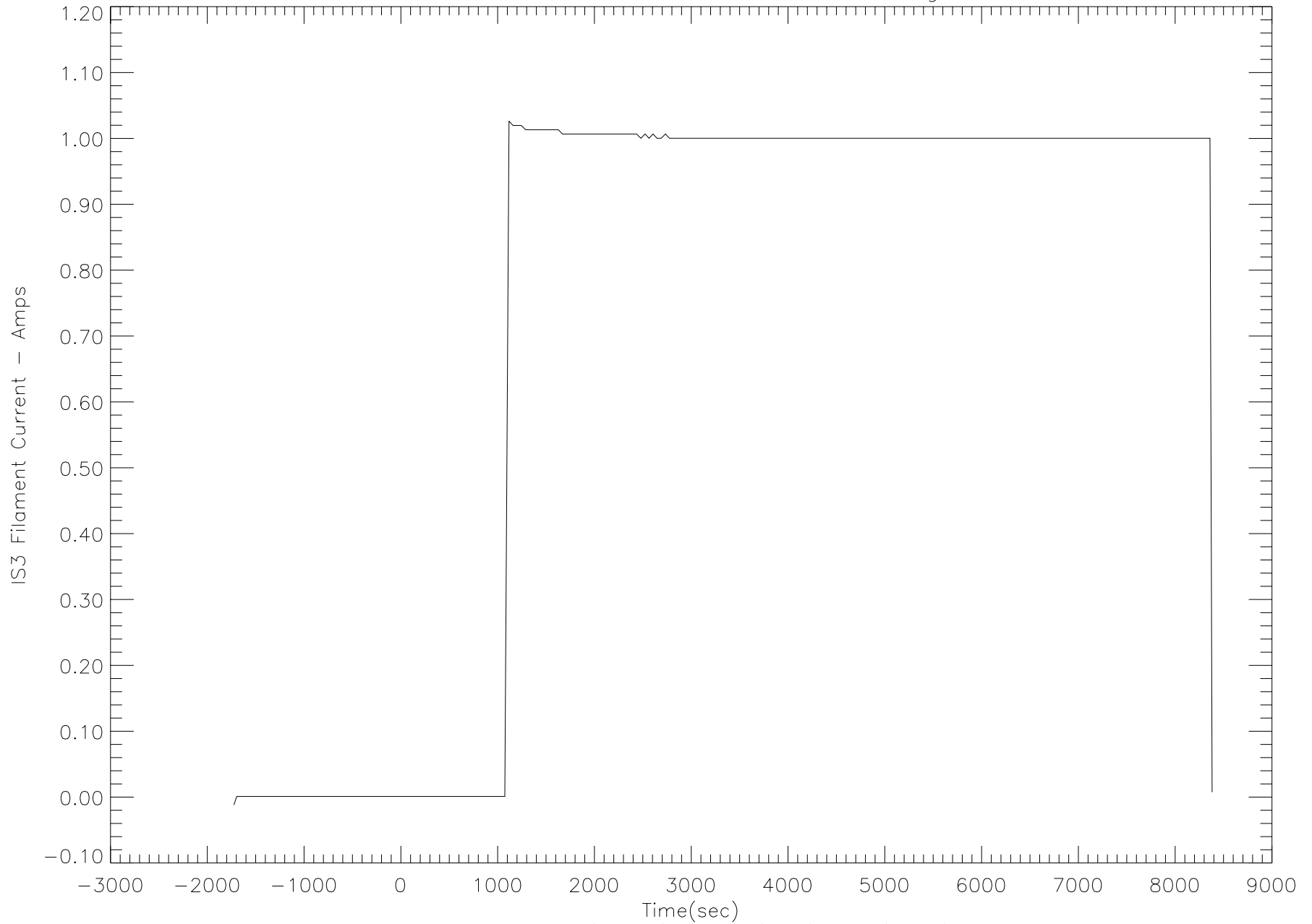
GCMS HK Data Value vs. Relative Time, Page 10



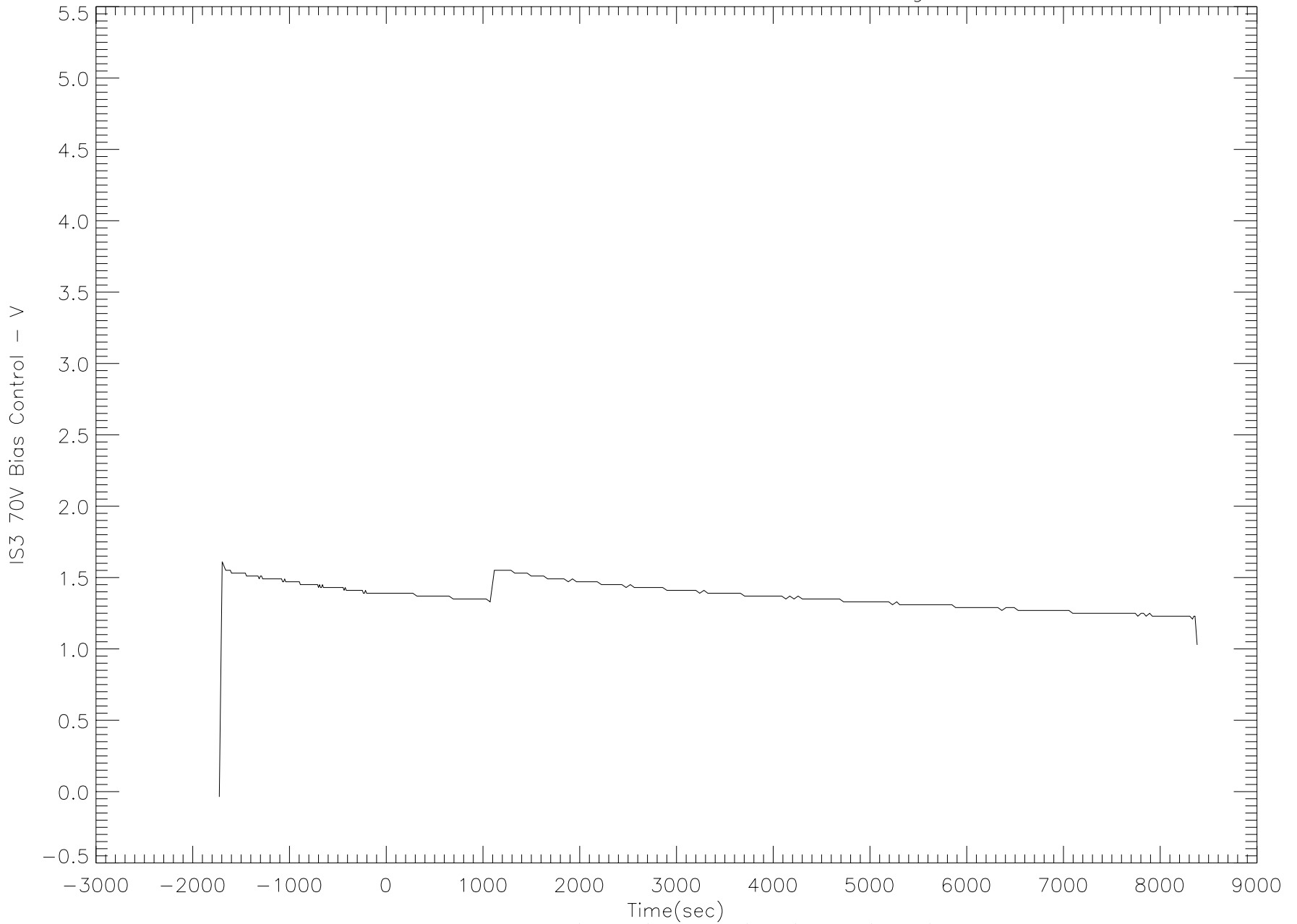
GCMS HK Data Value vs. Relative Time, Page 11



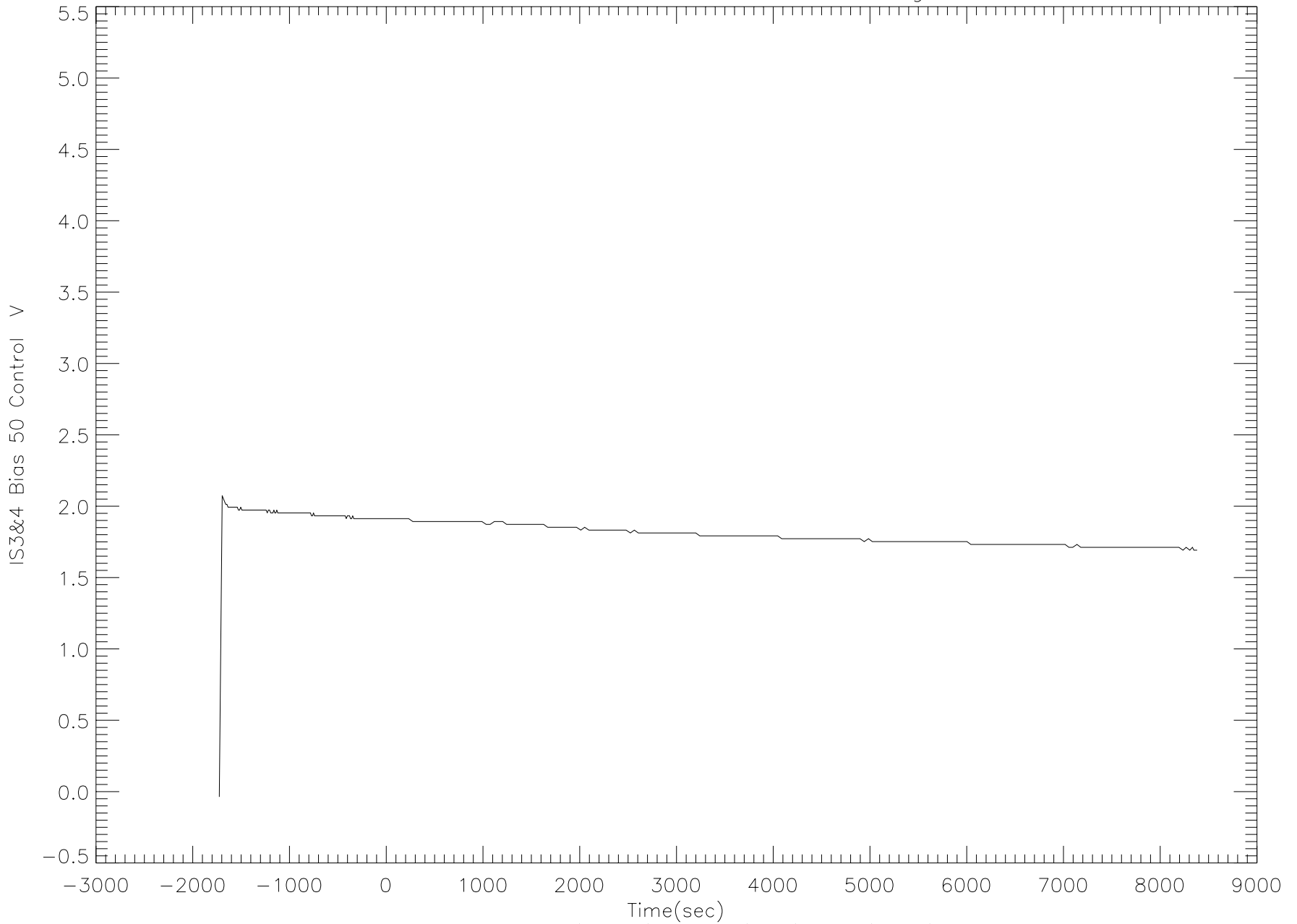
GCMS HK Data Value vs. Relative Time, Page 12



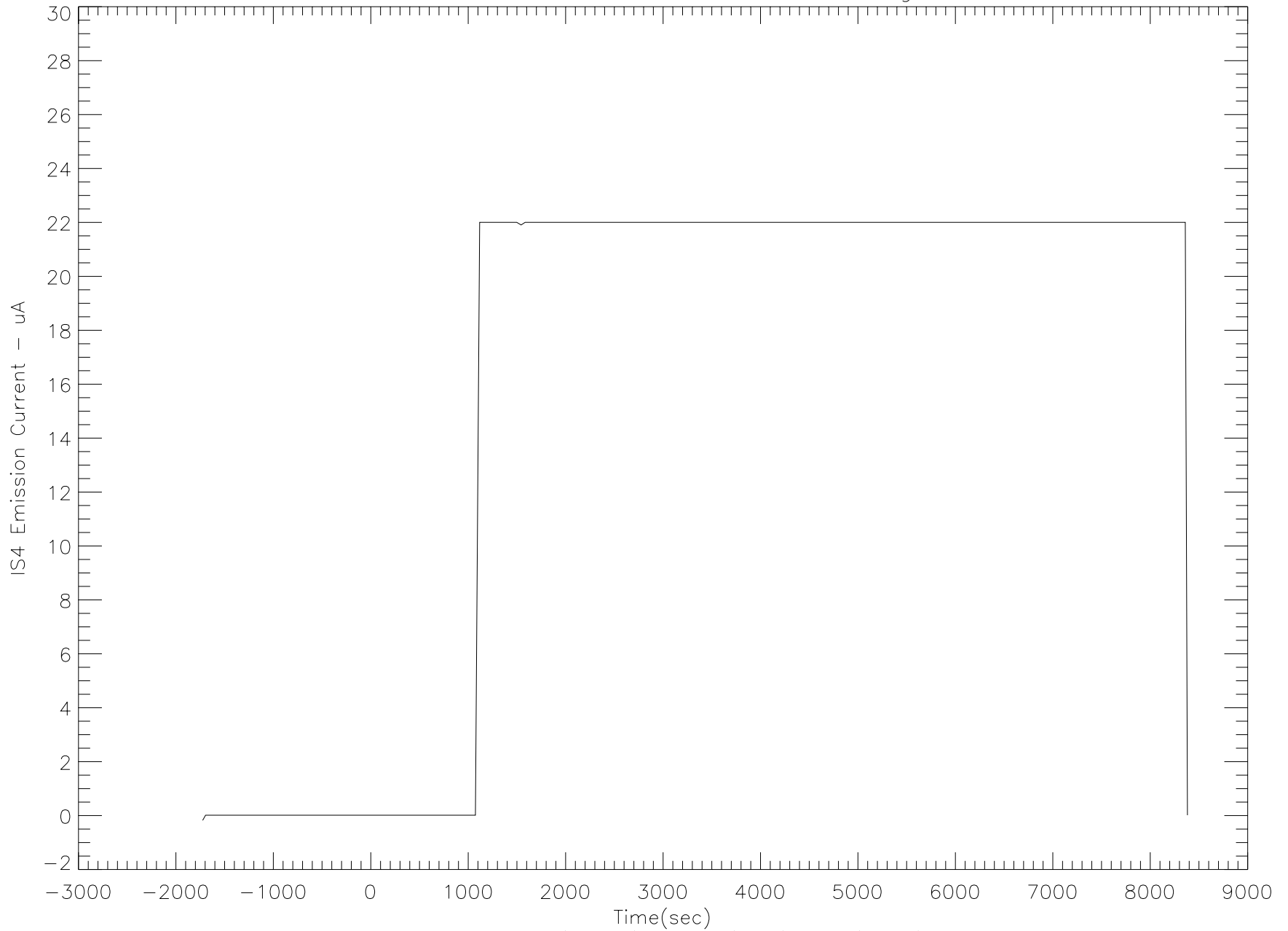
GCMS HK Data Value vs. Relative Time, Page 13



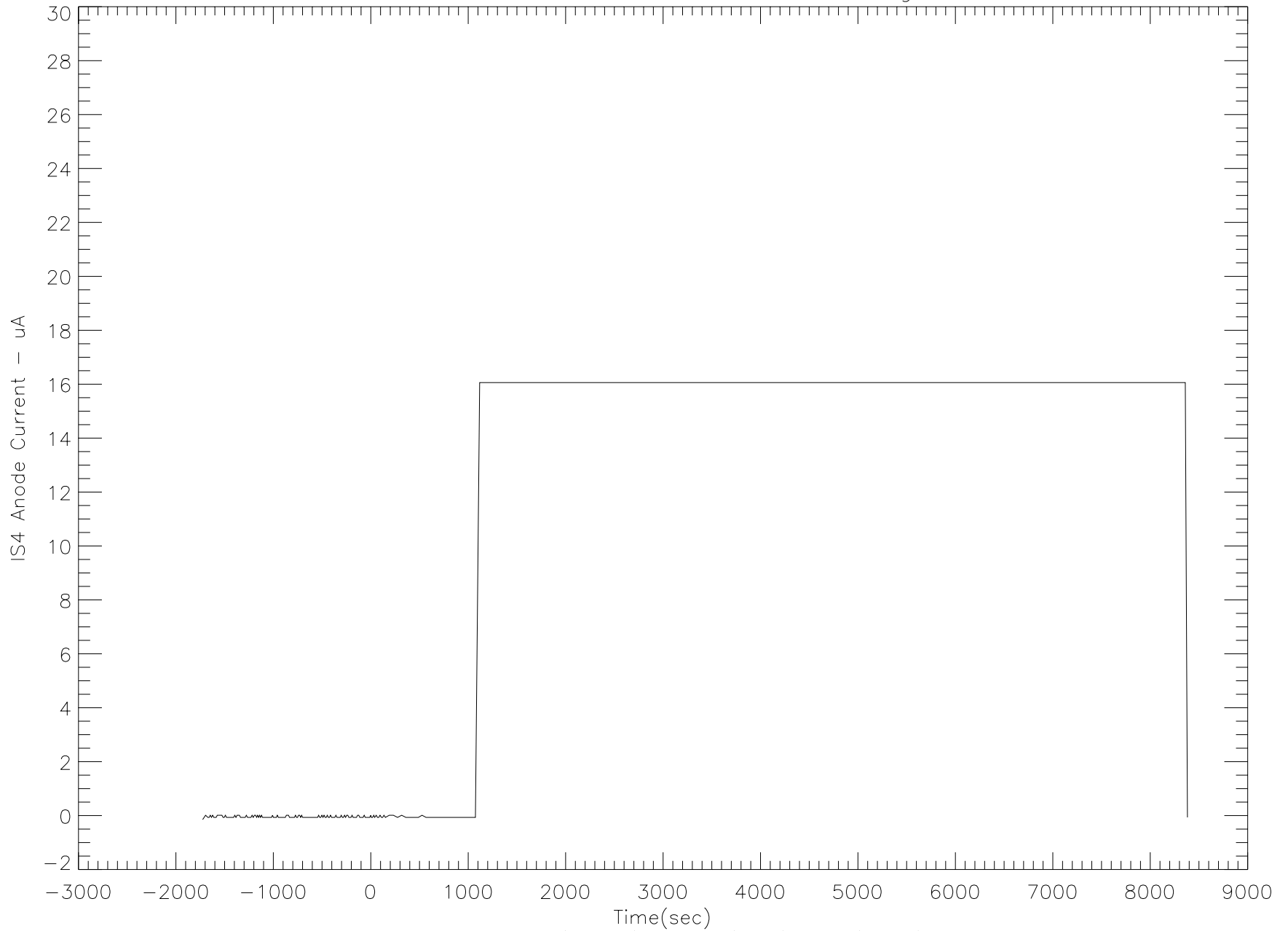
GCMS HK Data Value vs. Relative Time, Page 14



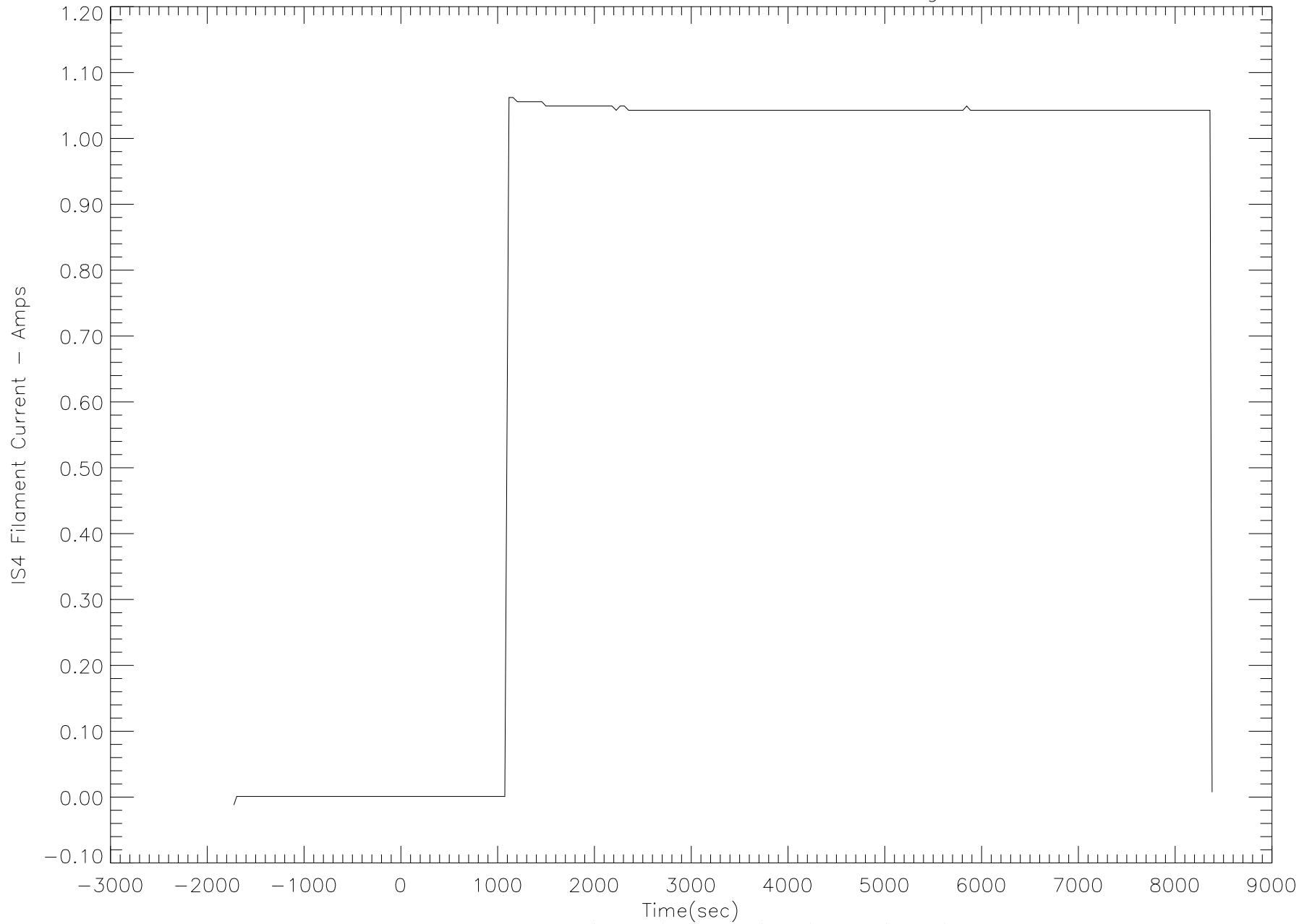
GCMS HK Data Value vs. Relative Time, Page 15



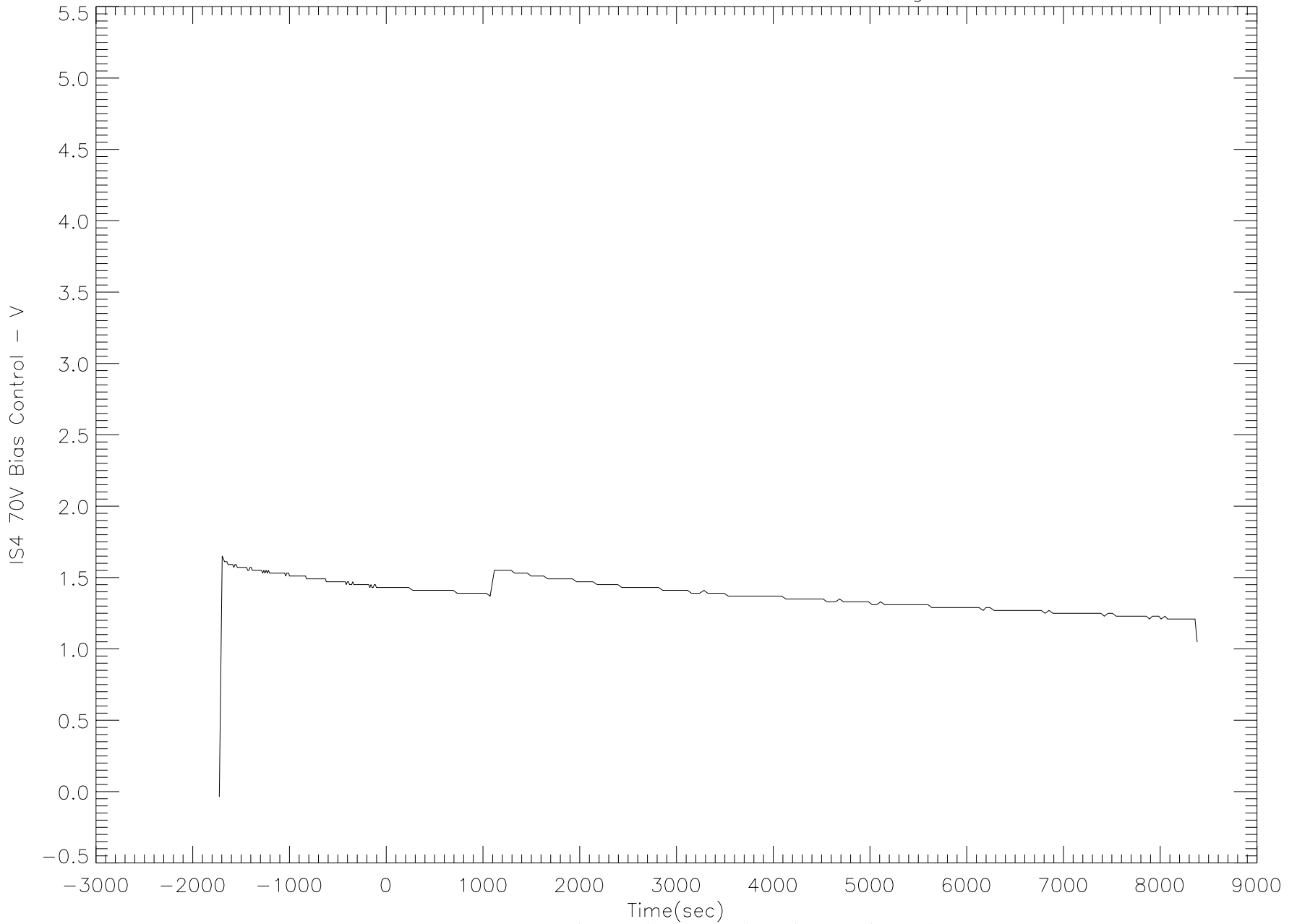
GCMS HK Data Value vs. Relative Time, Page 16



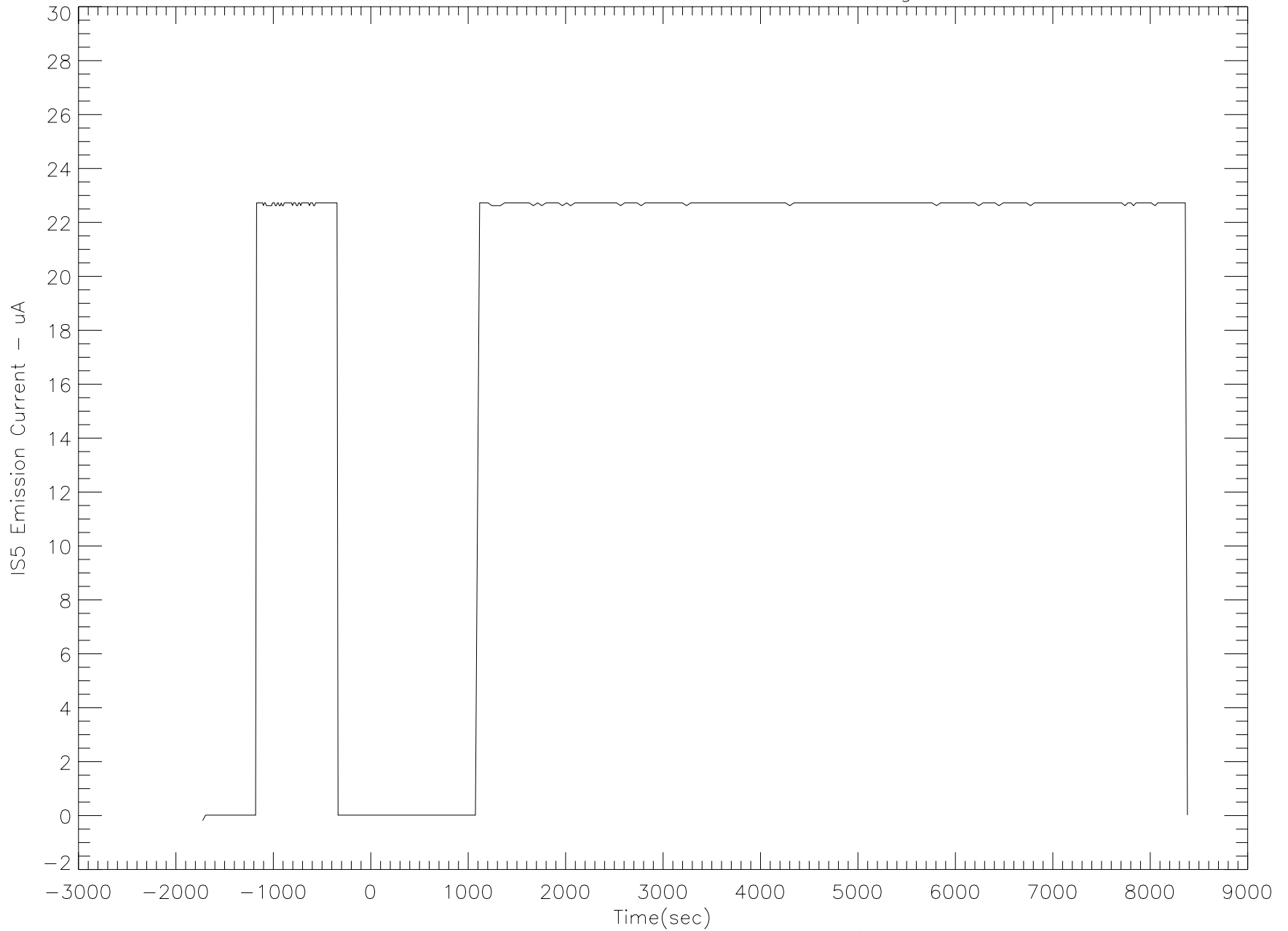
GCMS HK Data Value vs. Relative Time, Page 17



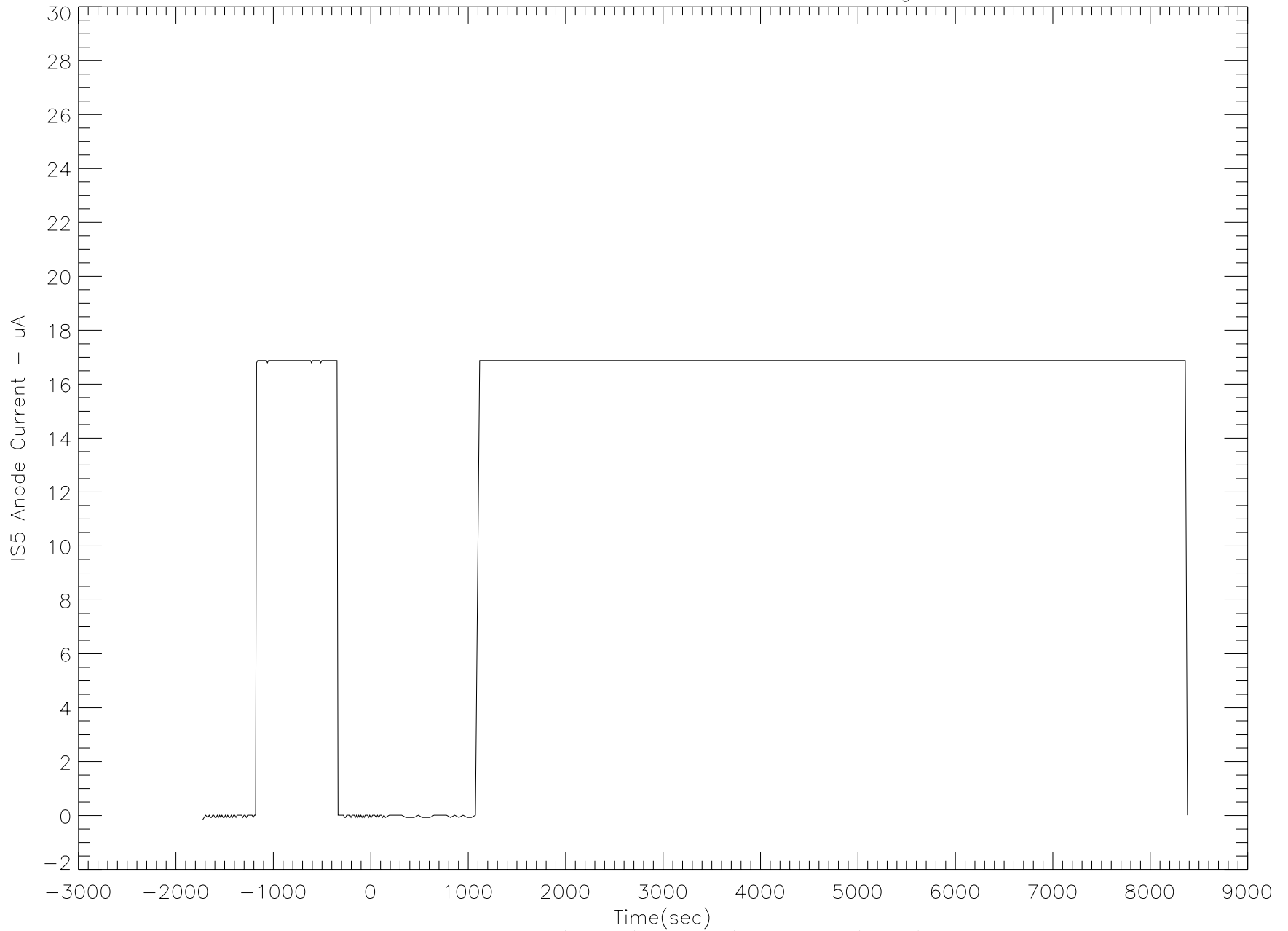
GCMS HK Data Value vs. Relative Time, Page 18



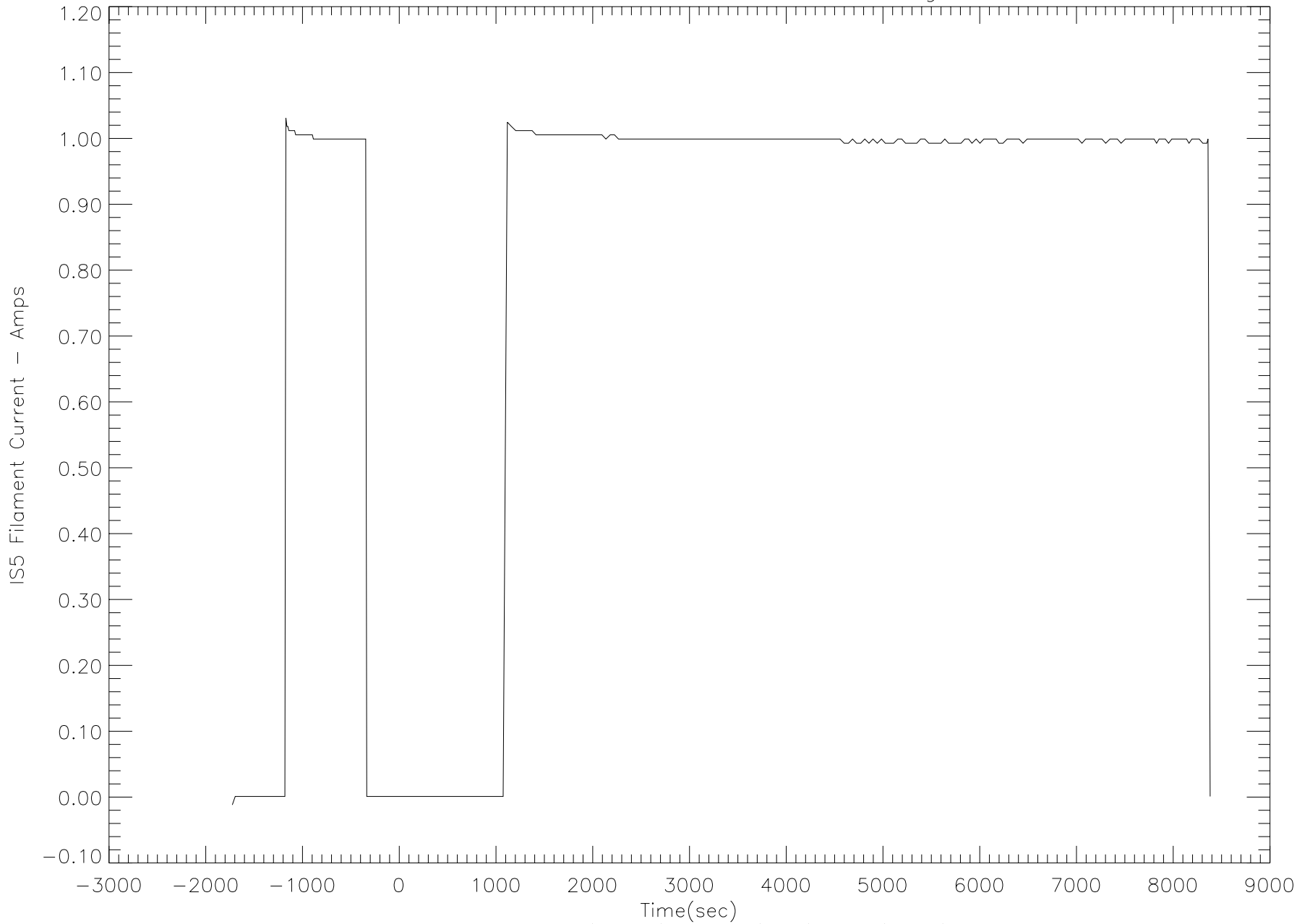
GCMS HK Data Value vs. Relative Time, Page 19



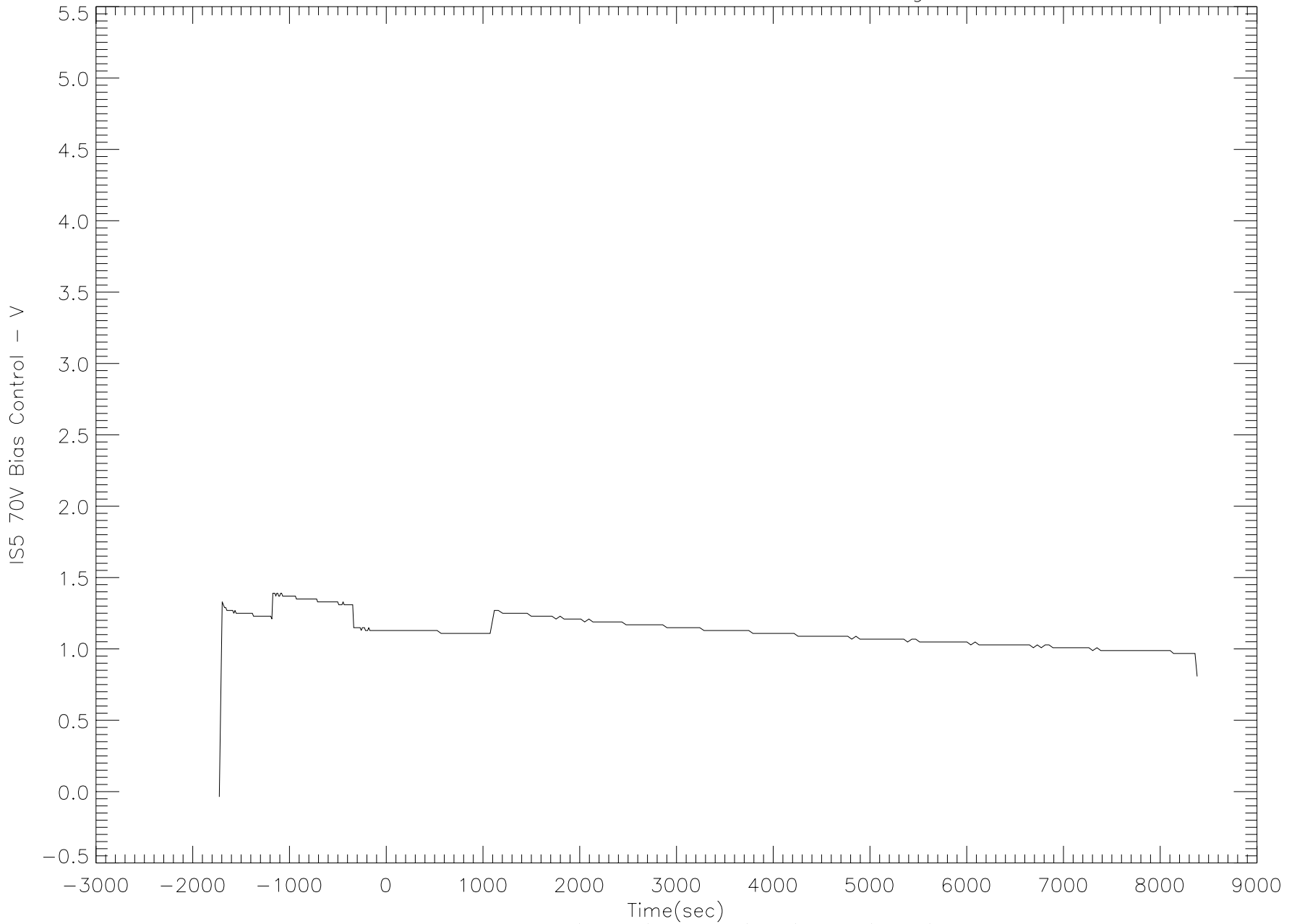
GCMS HK Data Value vs. Relative Time, Page 20



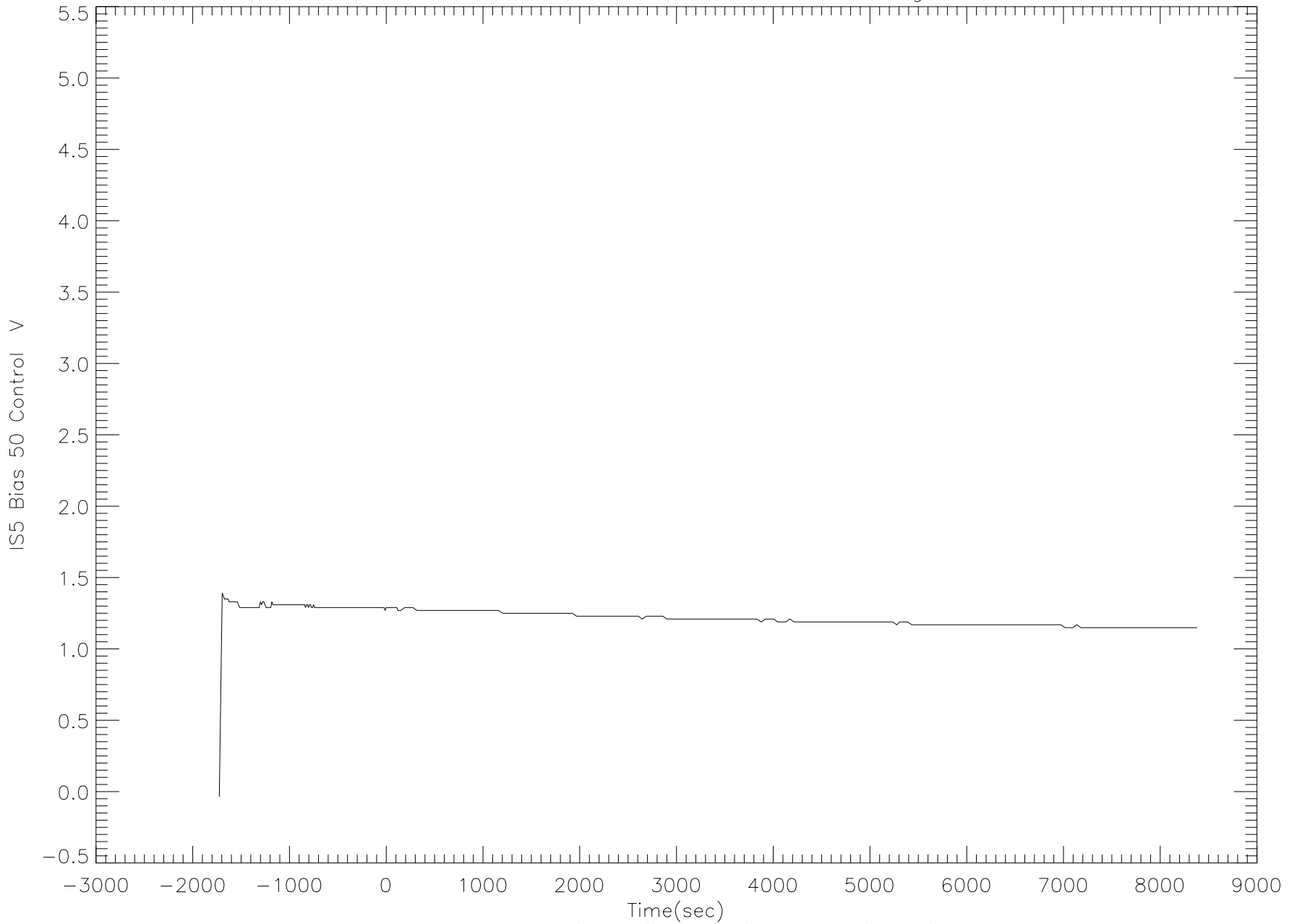
GCMS HK Data Value vs. Relative Time, Page 21



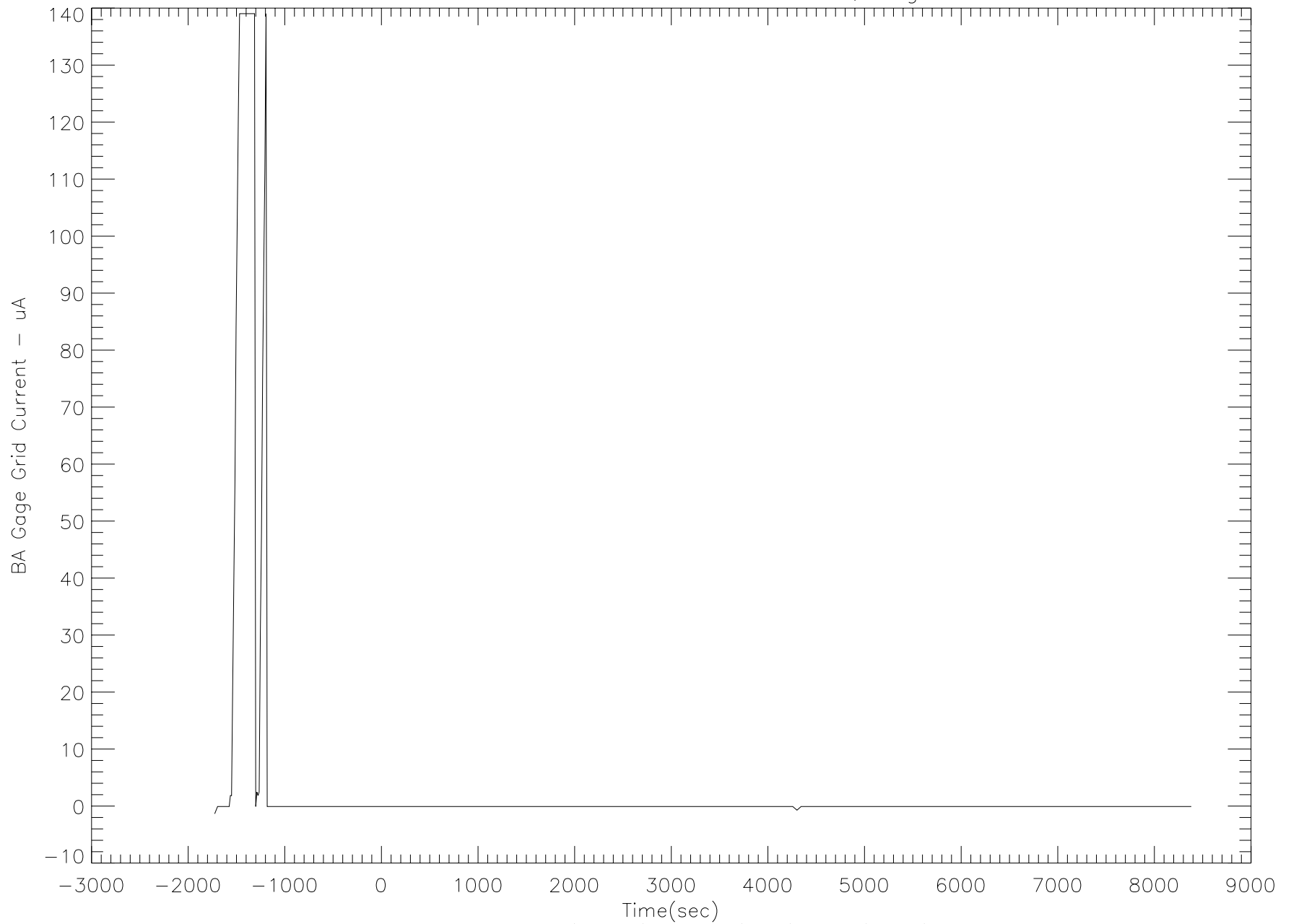
GCMS HK Data Value vs. Relative Time, Page 22



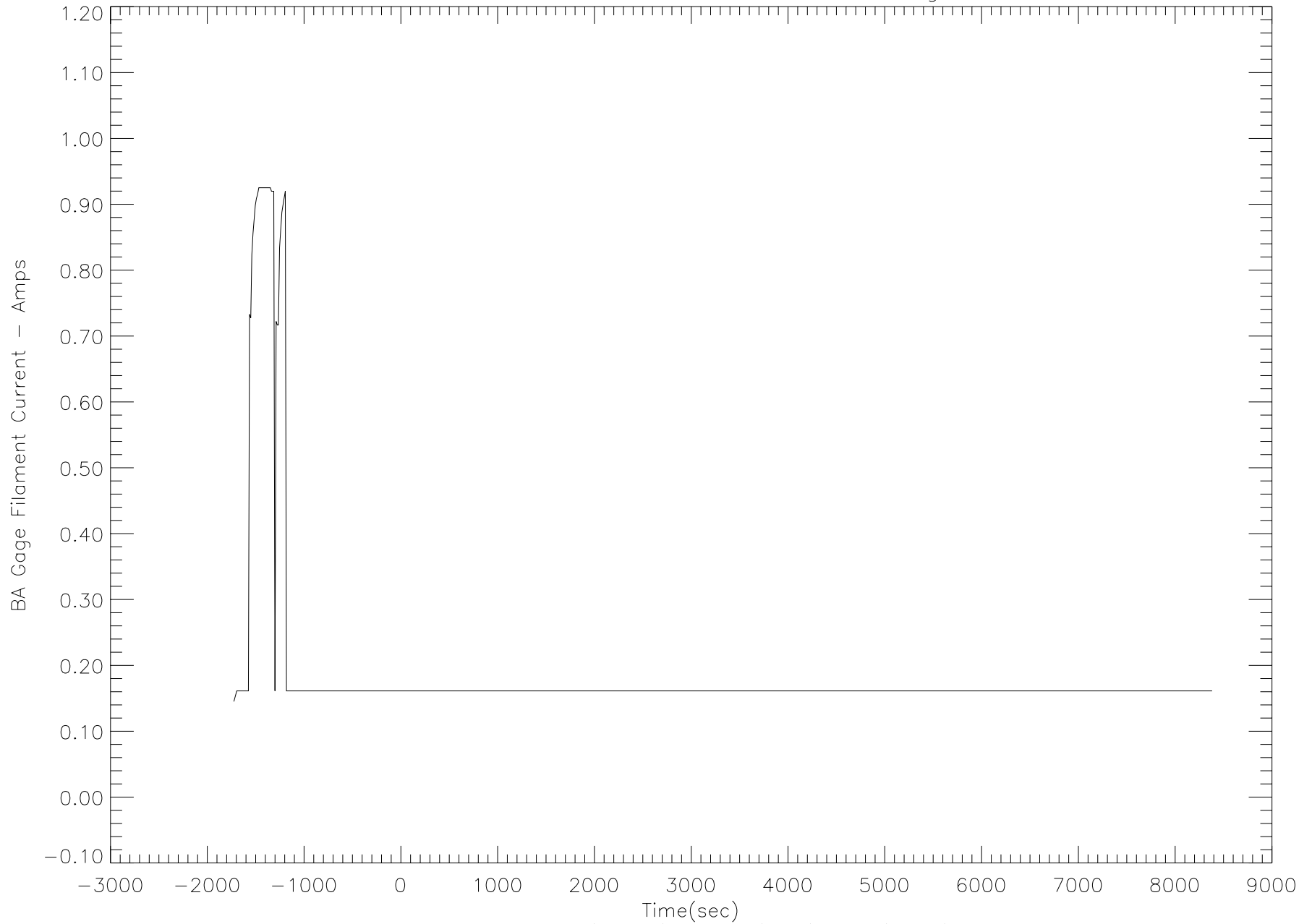
GCMS HK Data Value vs. Relative Time, Page 23



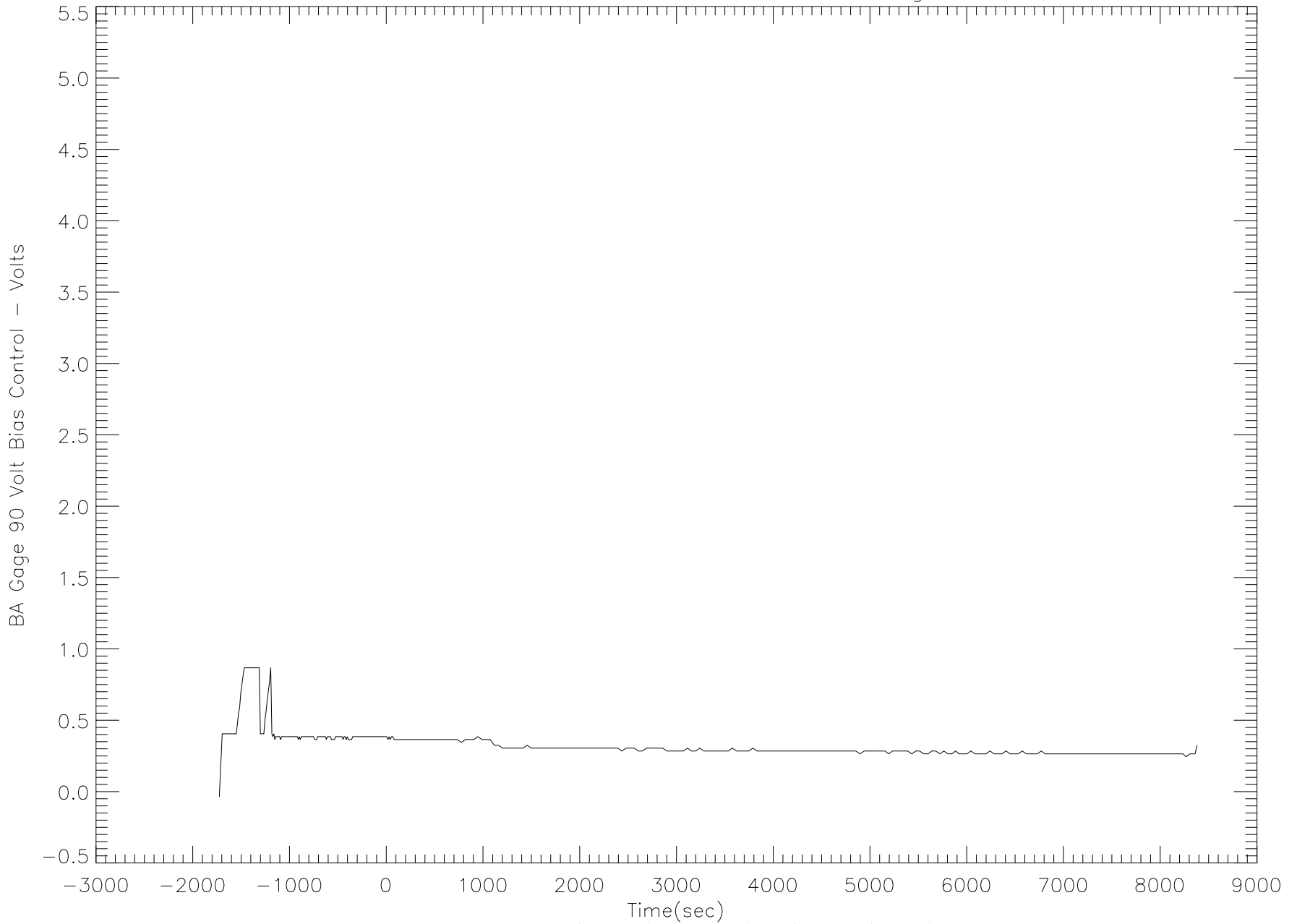
GCMS HK Data Value vs. Relative Time, Page 24



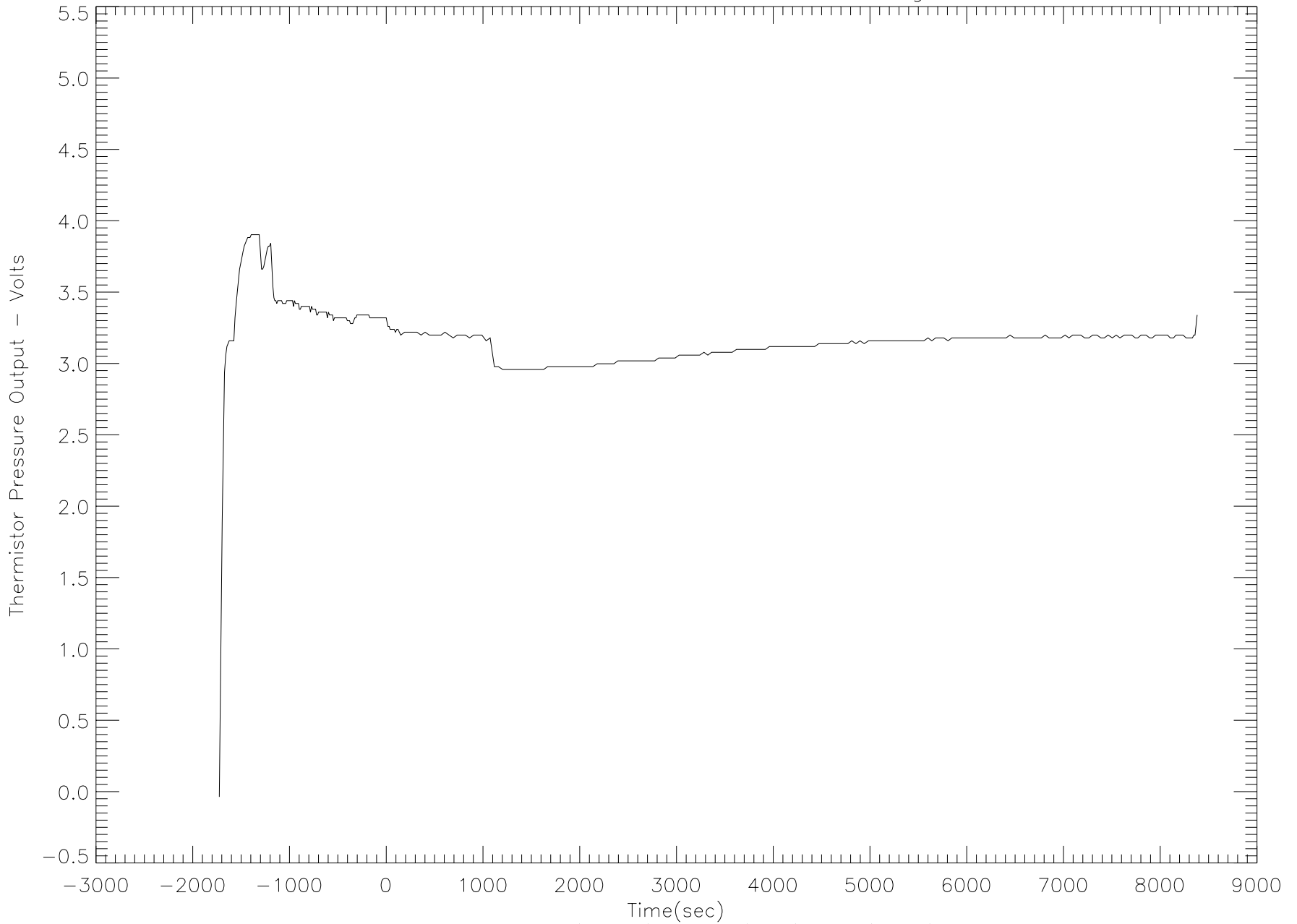
GCMS HK Data Value vs. Relative Time, Page 25



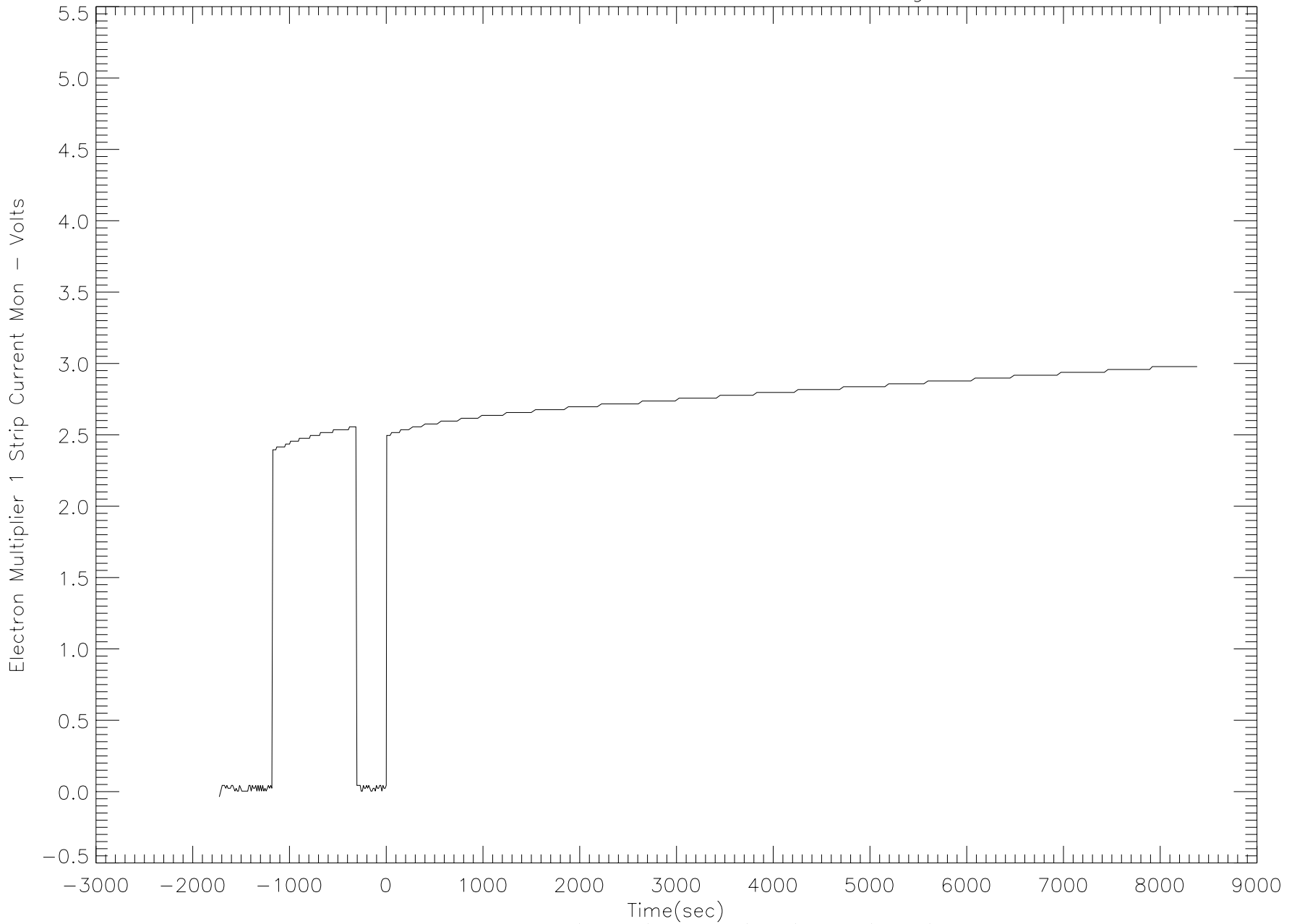
GCMS HK Data Value vs. Relative Time, Page 26



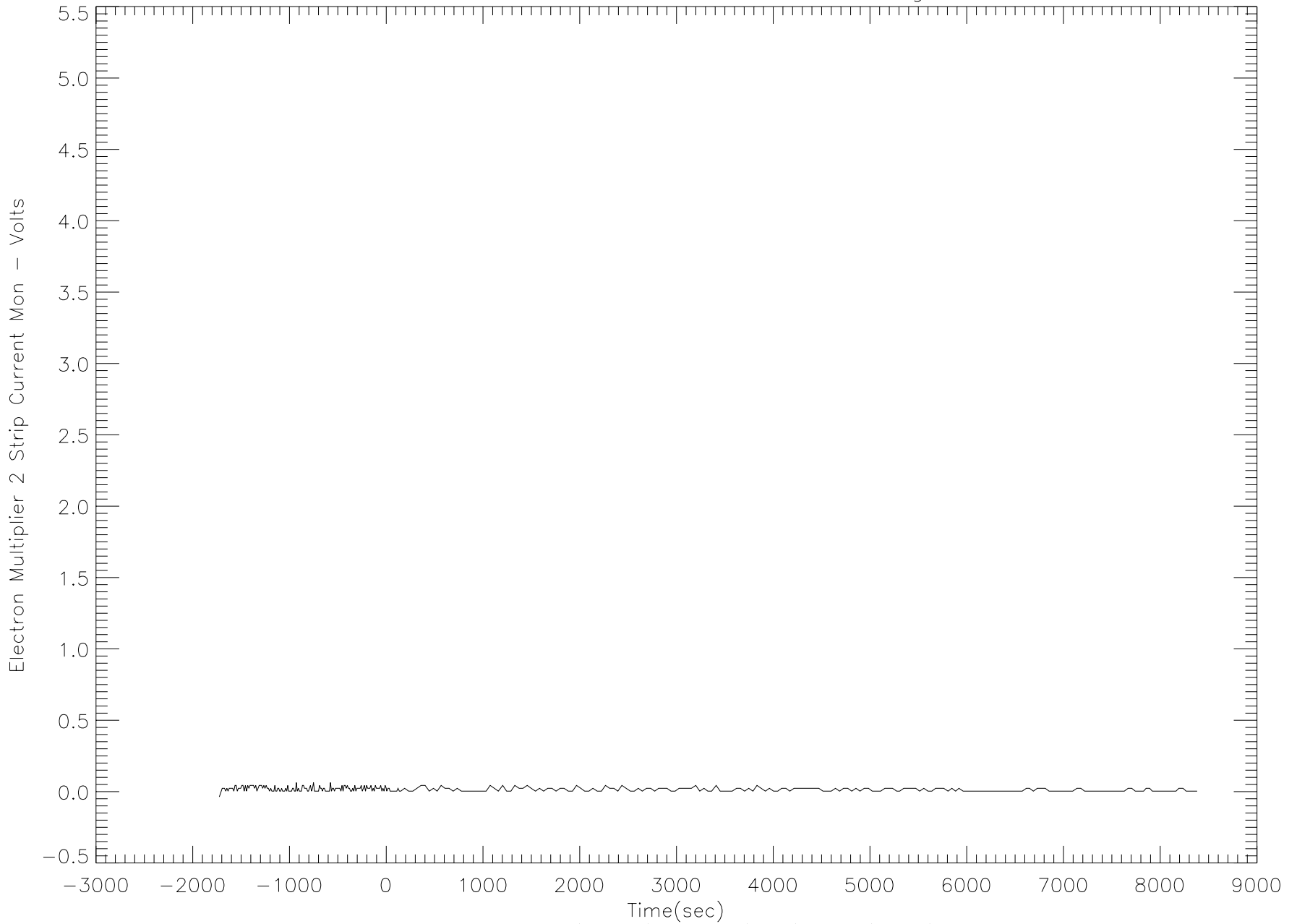
GCMS HK Data Value vs. Relative Time, Page 27



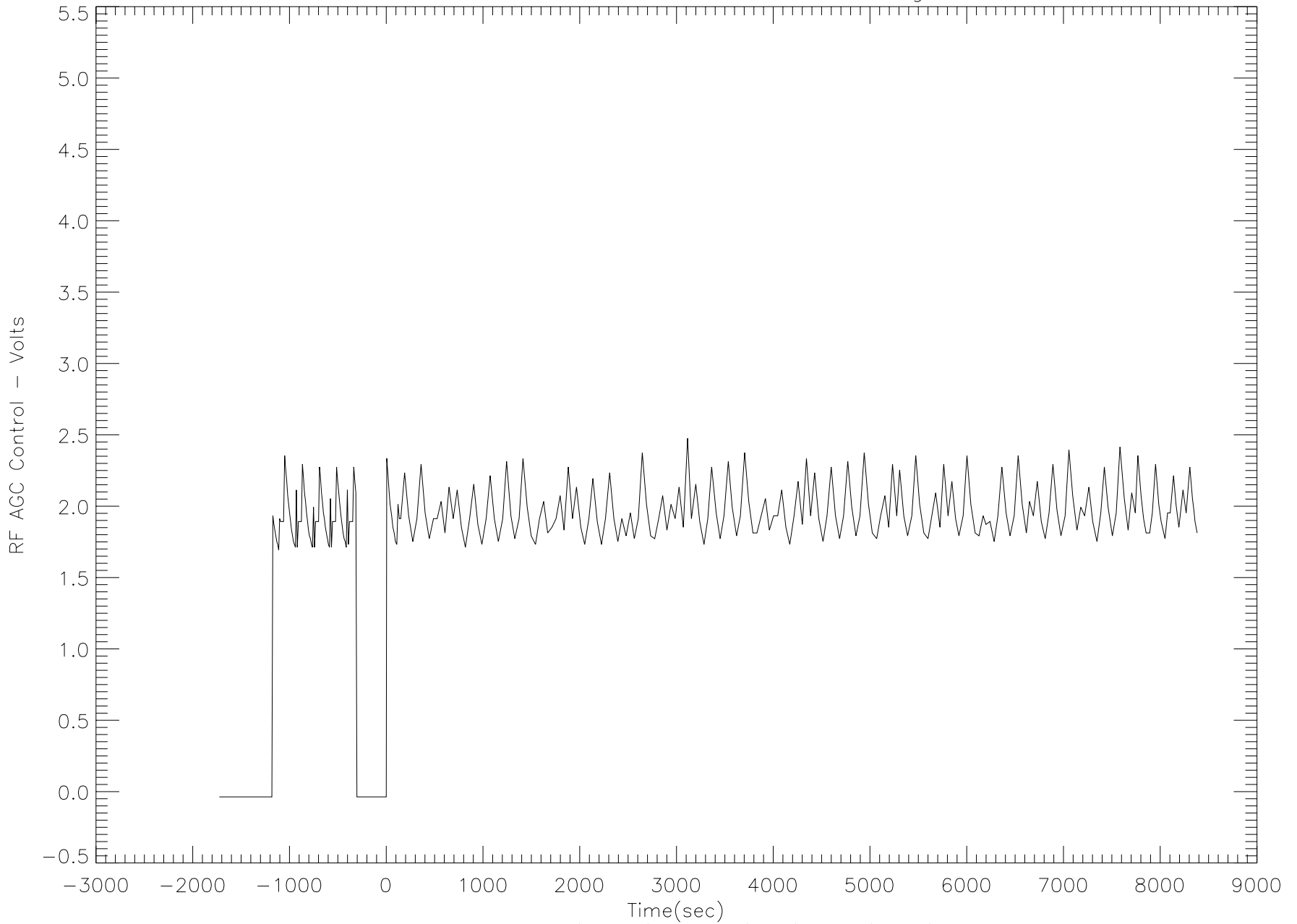
GCMS HK Data Value vs. Relative Time, Page 28



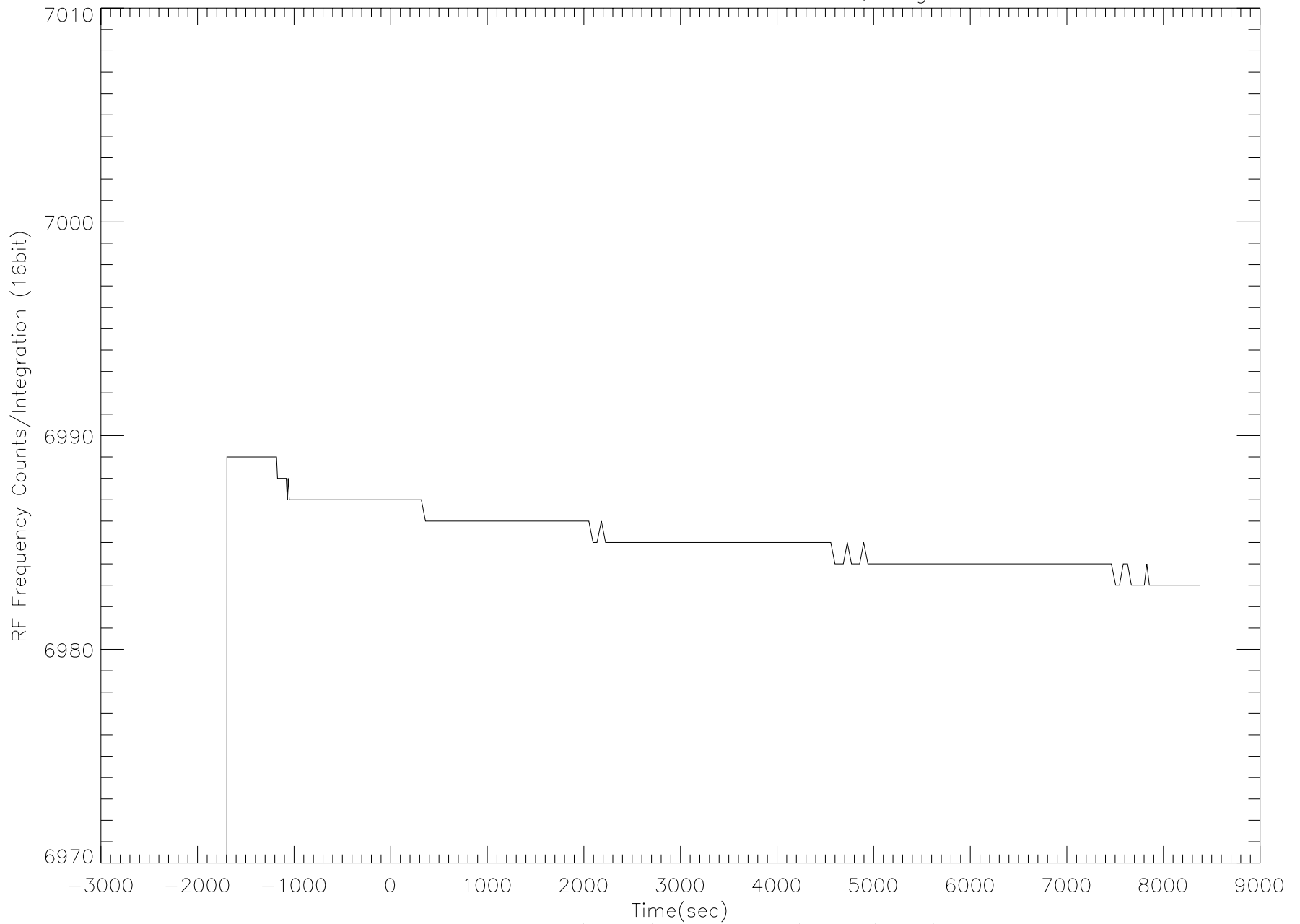
GCMS HK Data Value vs. Relative Time, Page 29



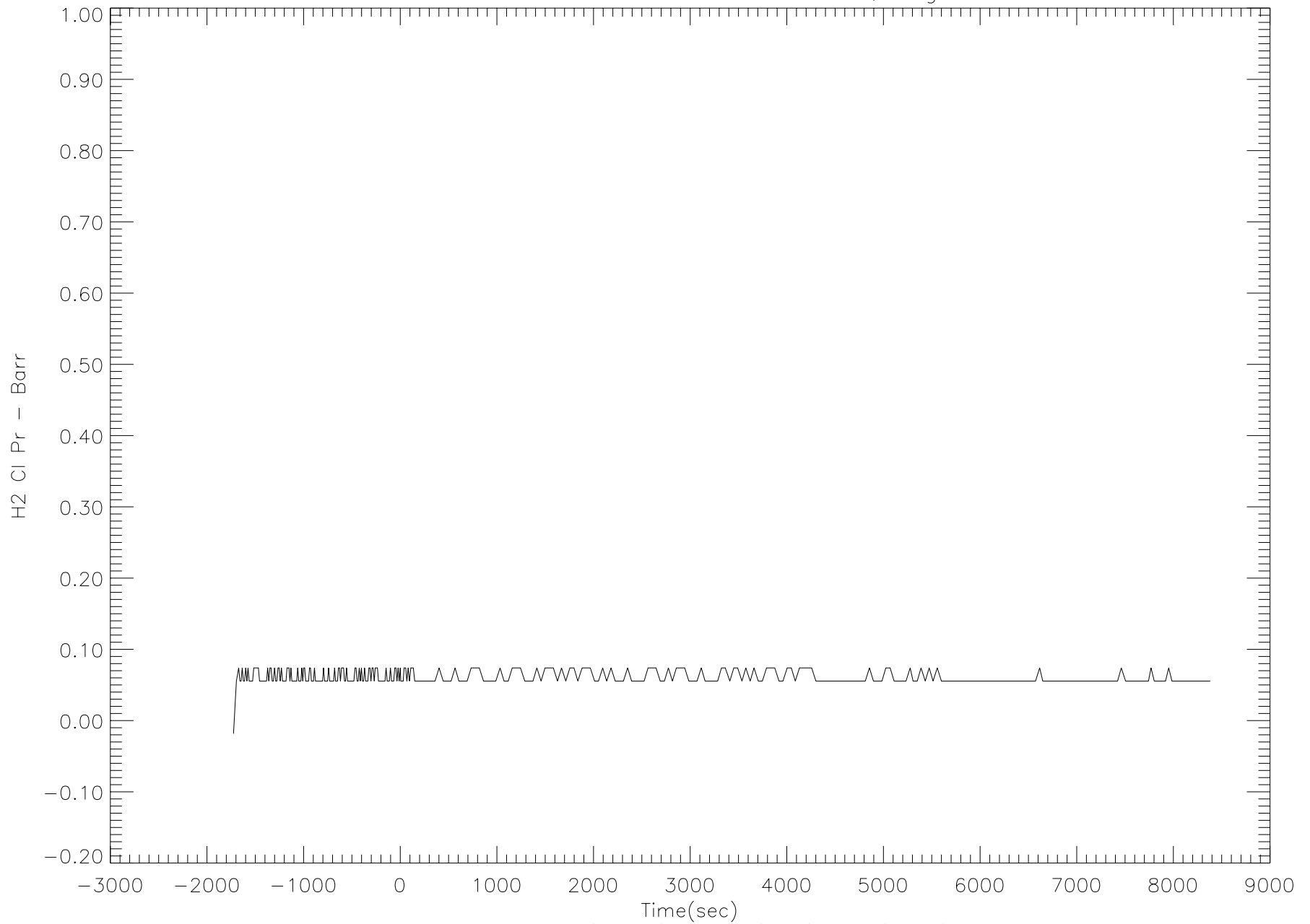
GCMS HK Data Value vs. Relative Time, Page 30



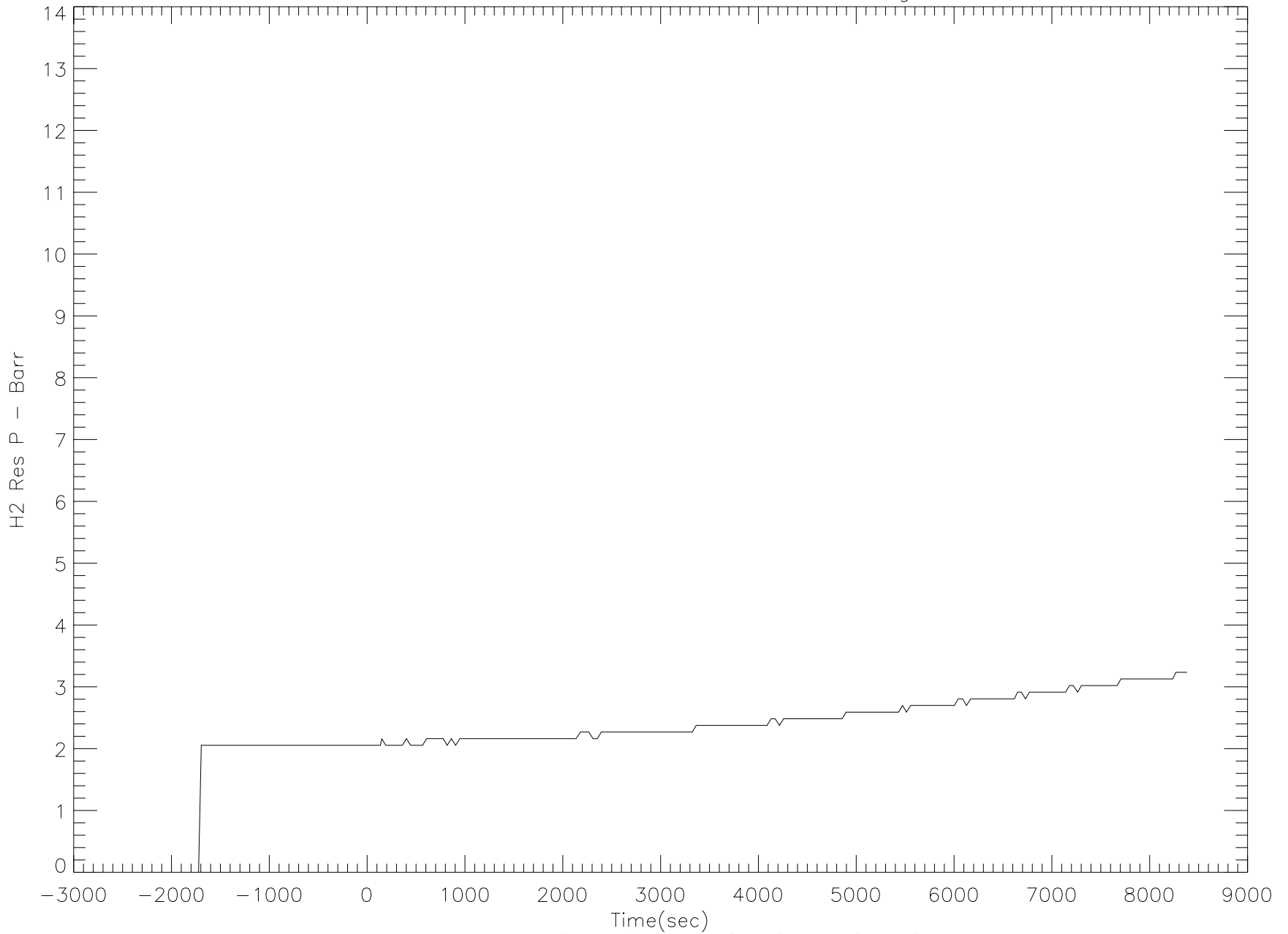
GCMS HK Data Value vs. Relative Time, Page 31



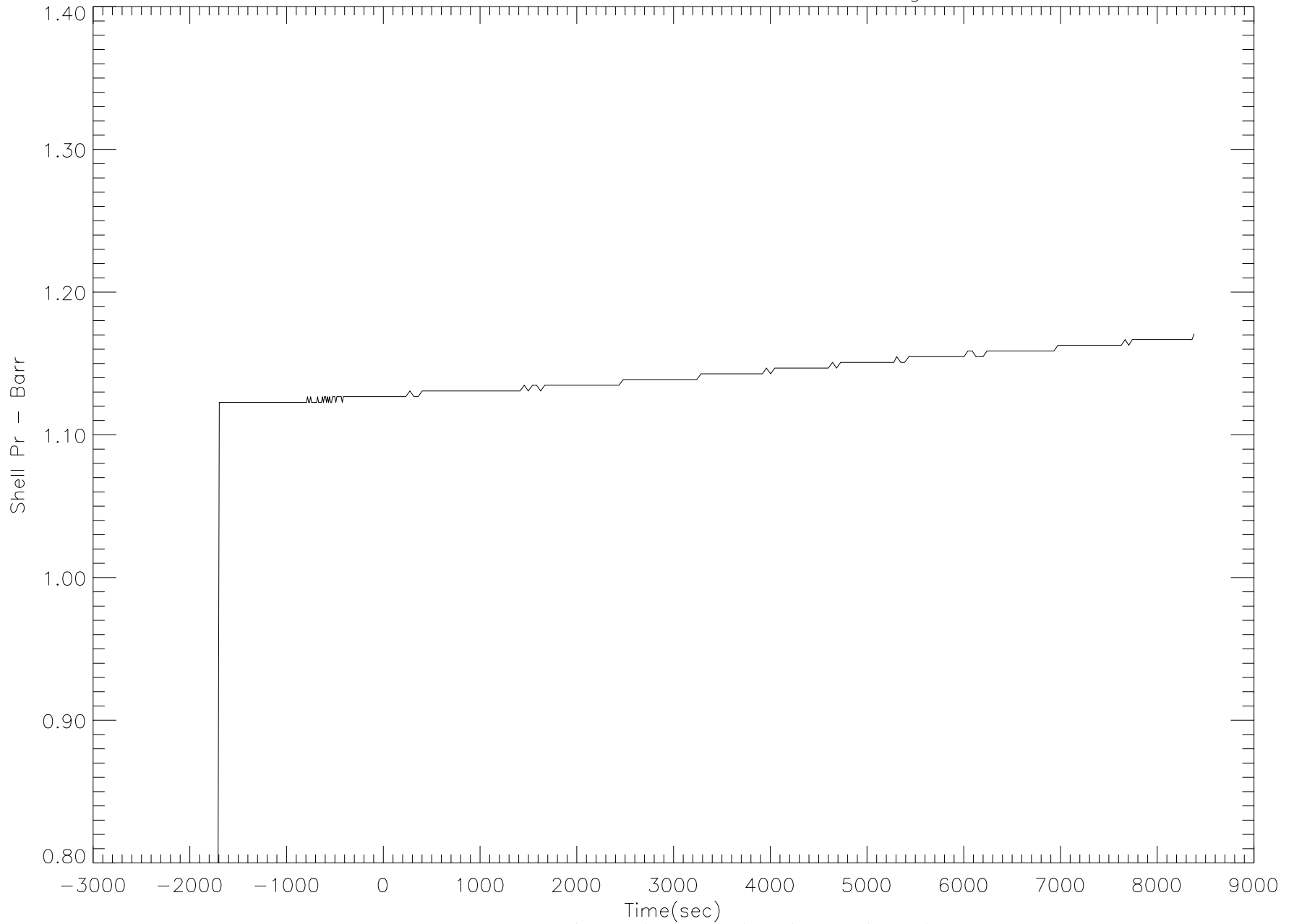
GCMS HK Data Value vs. Relative Time, Page 32



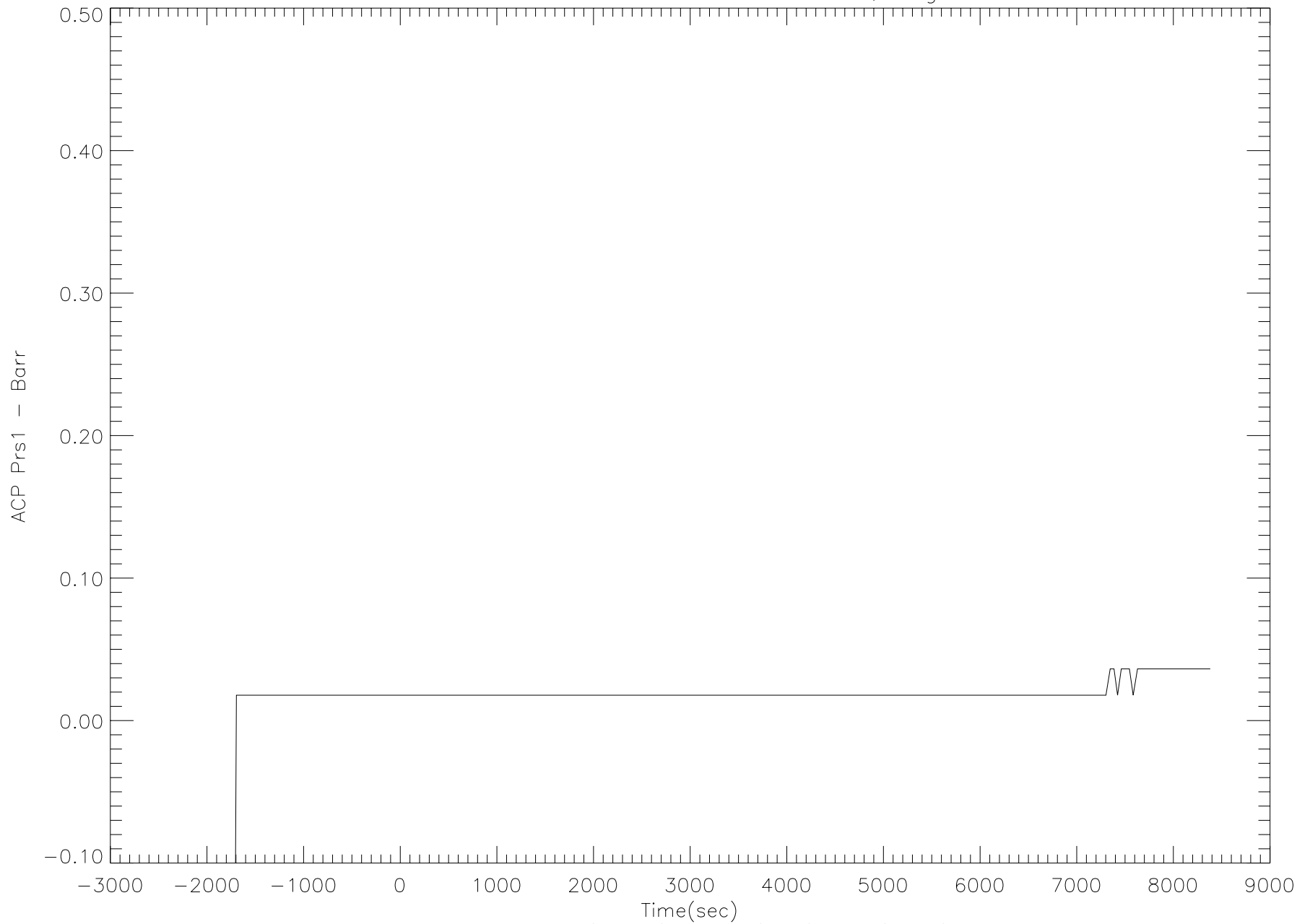
GCMS HK Data Value vs. Relative Time, Page 33



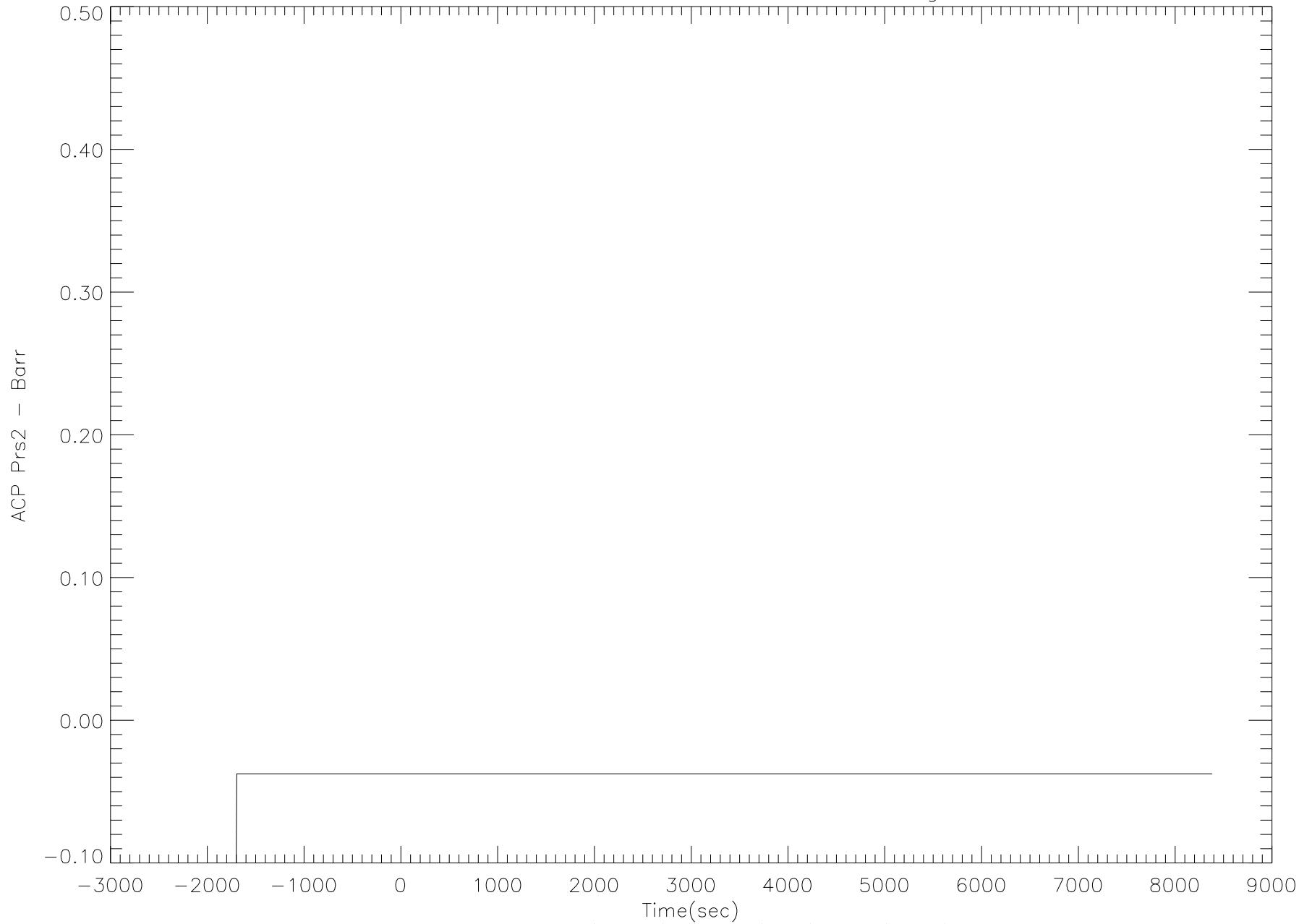
GCMS HK Data Value vs. Relative Time, Page 34



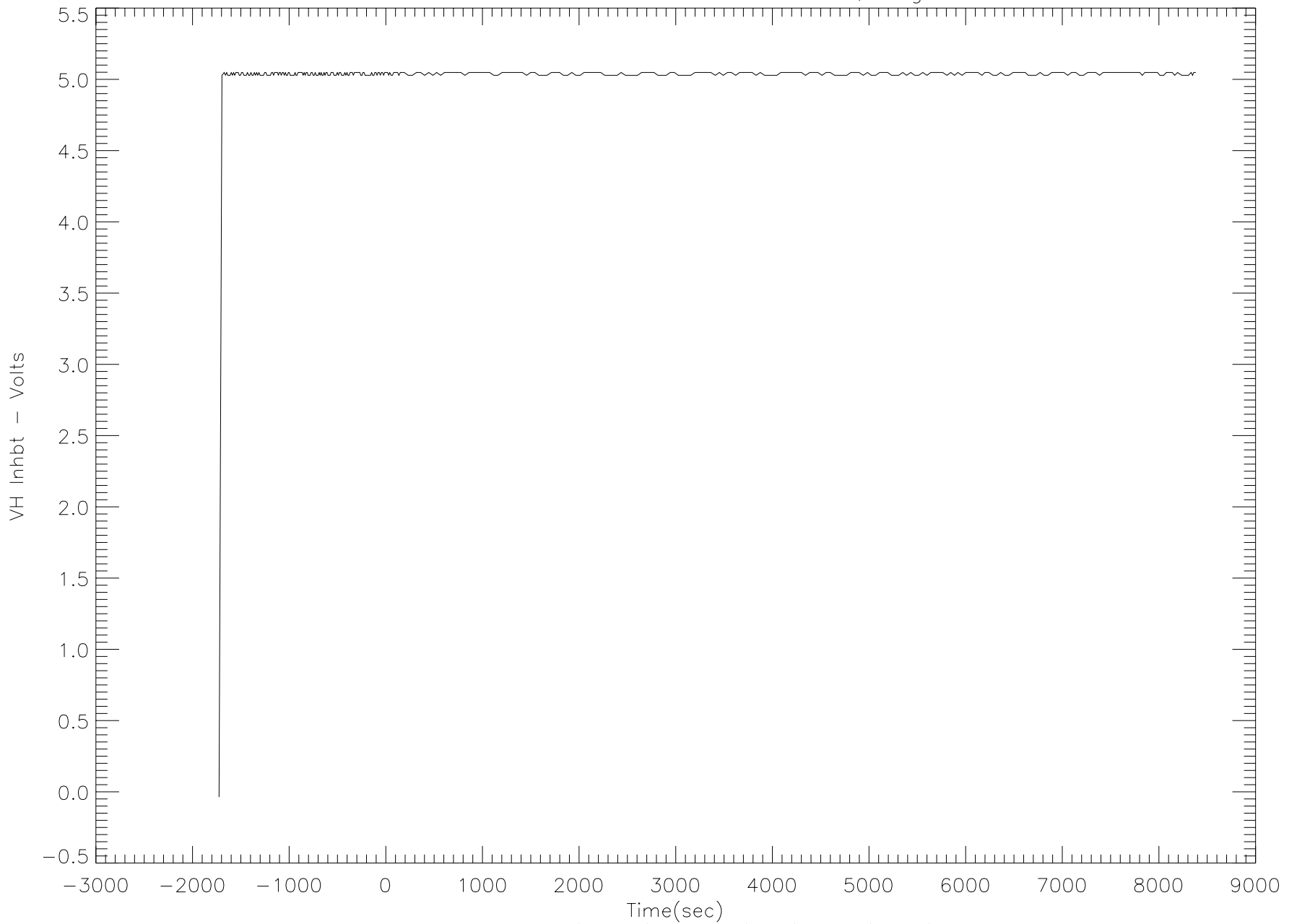
GCMS HK Data Value vs. Relative Time, Page 35



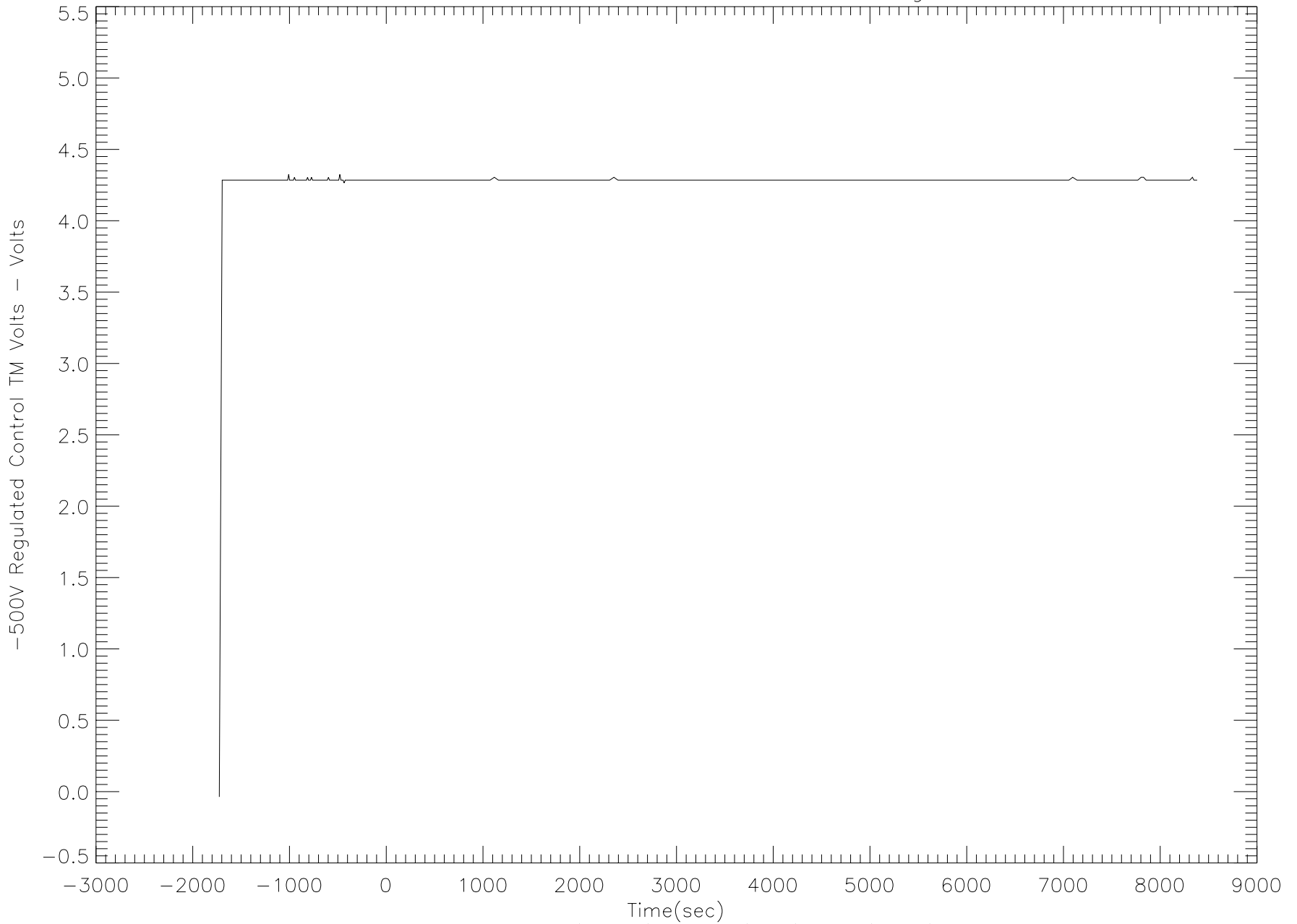
GCMS HK Data Value vs. Relative Time, Page 36



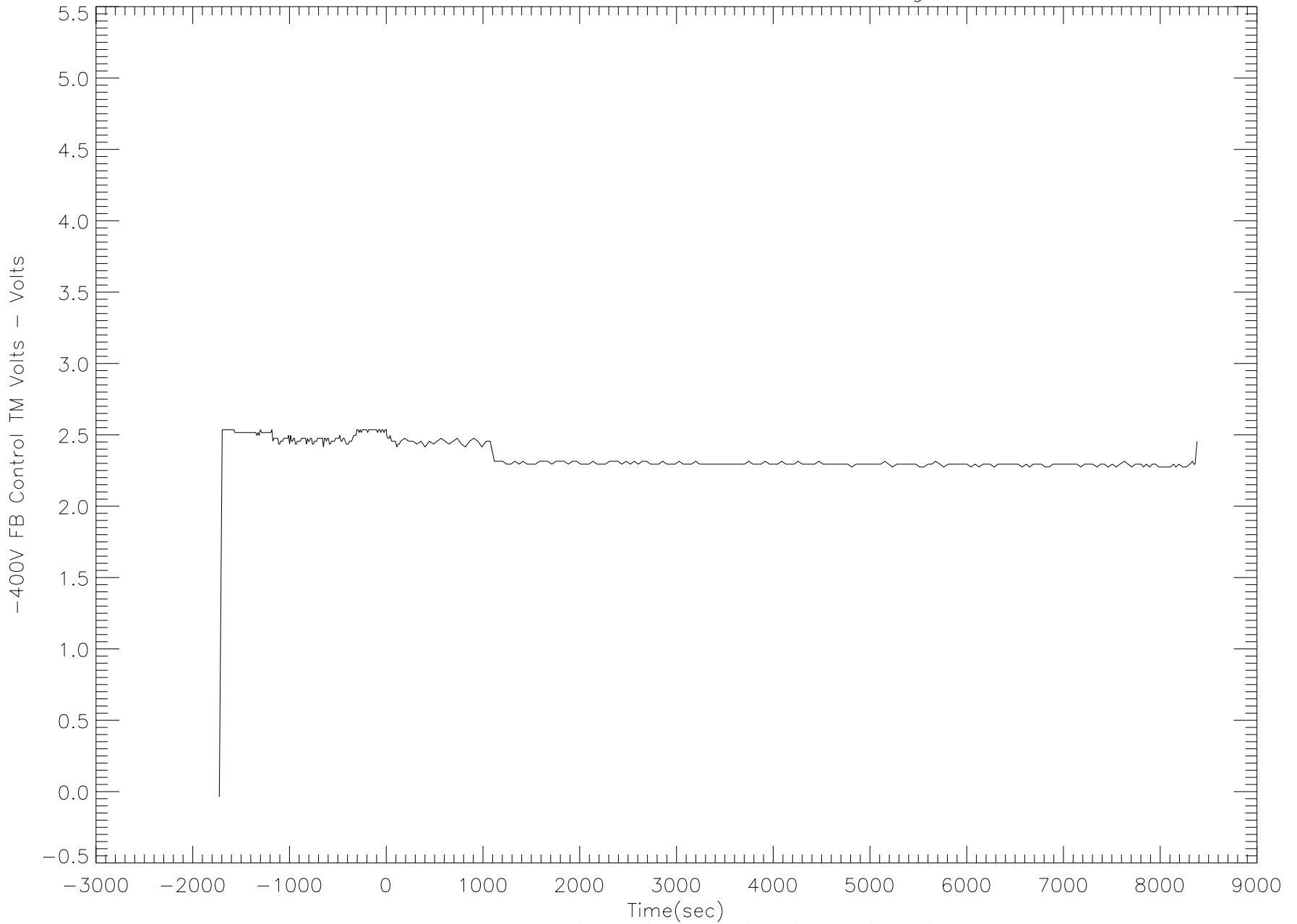
GCMS HK Data Value vs. Relative Time, Page 37



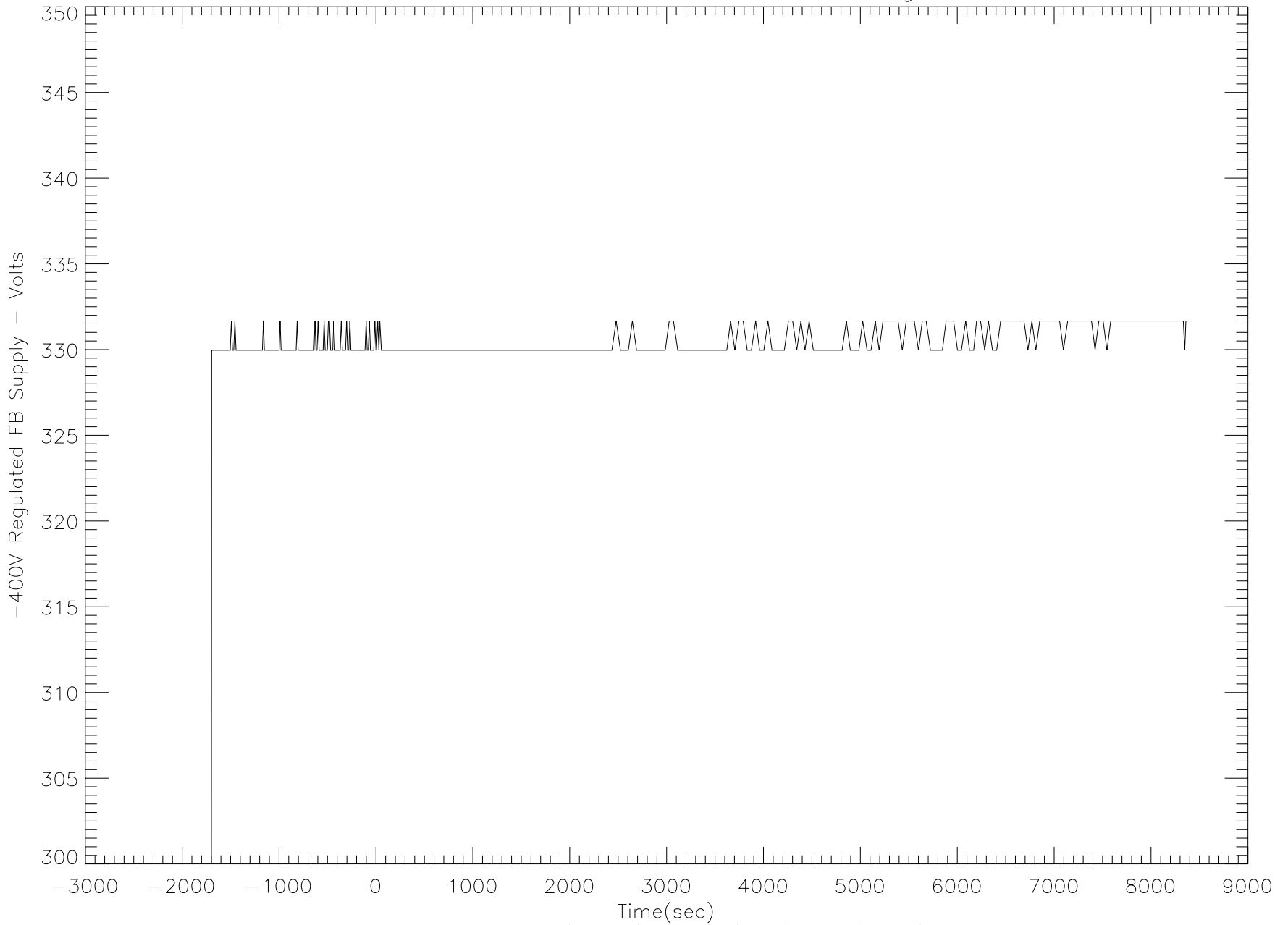
GCMS HK Data Value vs. Relative Time, Page 38



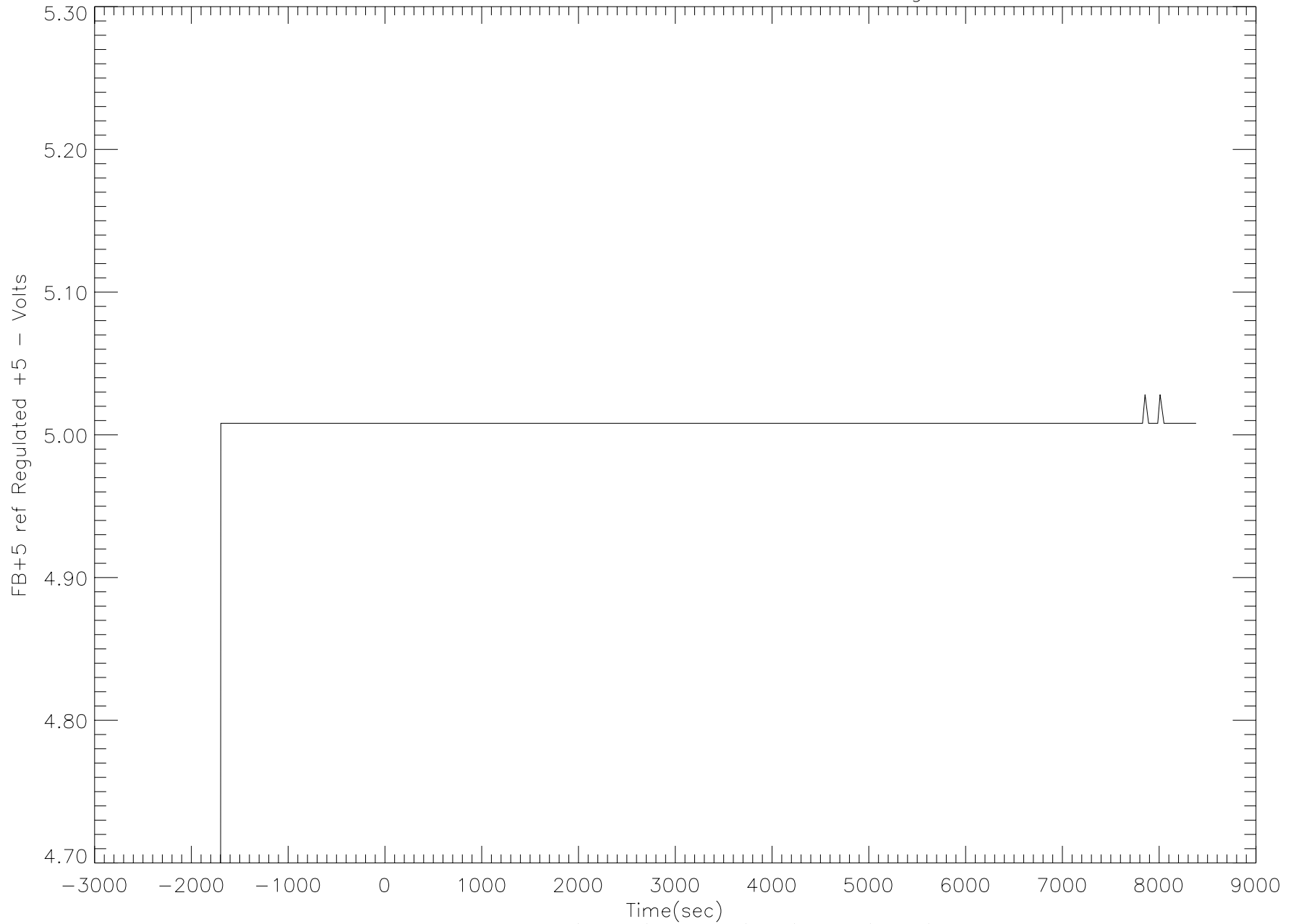
GCMS HK Data Value vs. Relative Time, Page 39



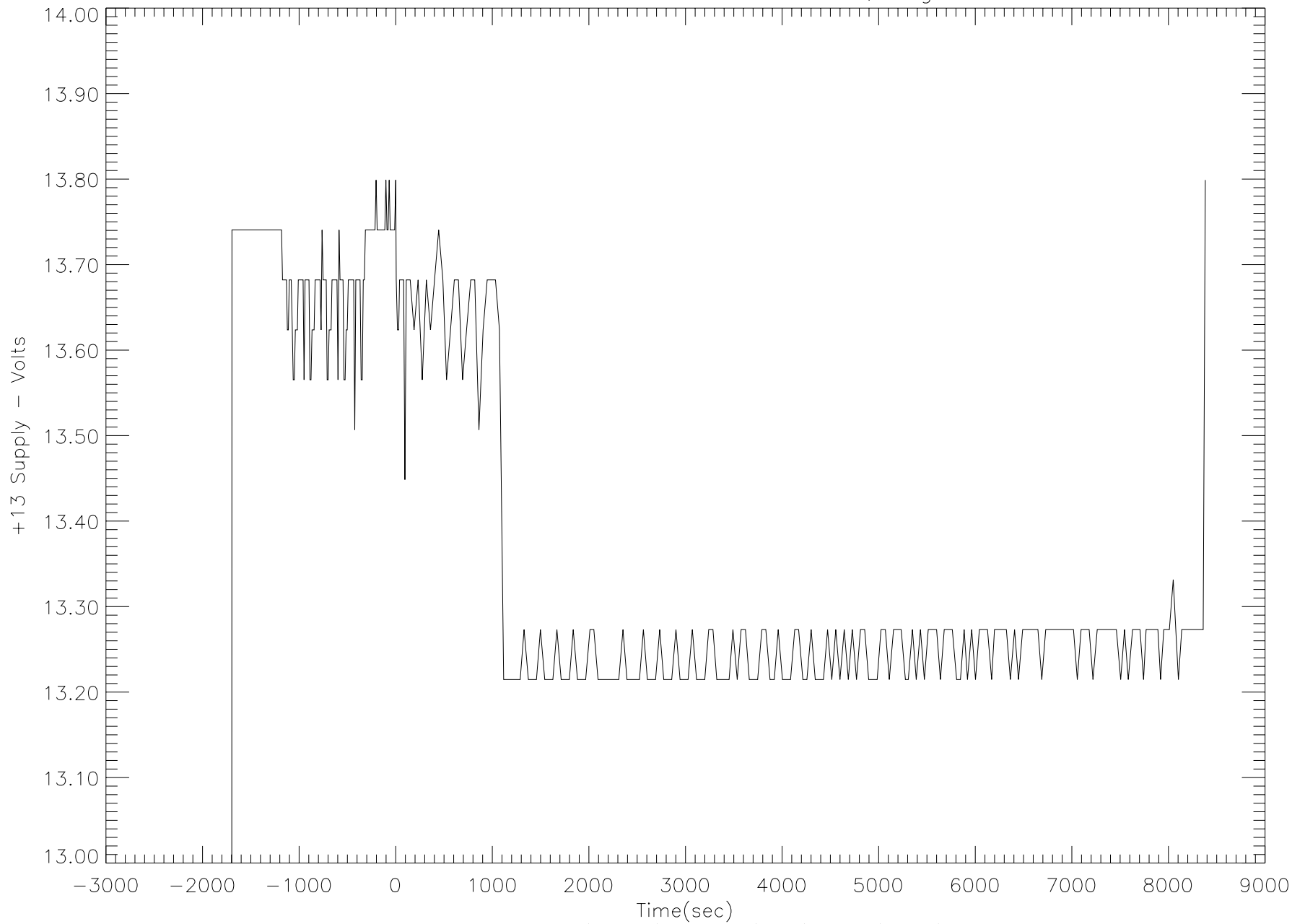
GCMS HK Data Value vs. Relative Time, Page 40



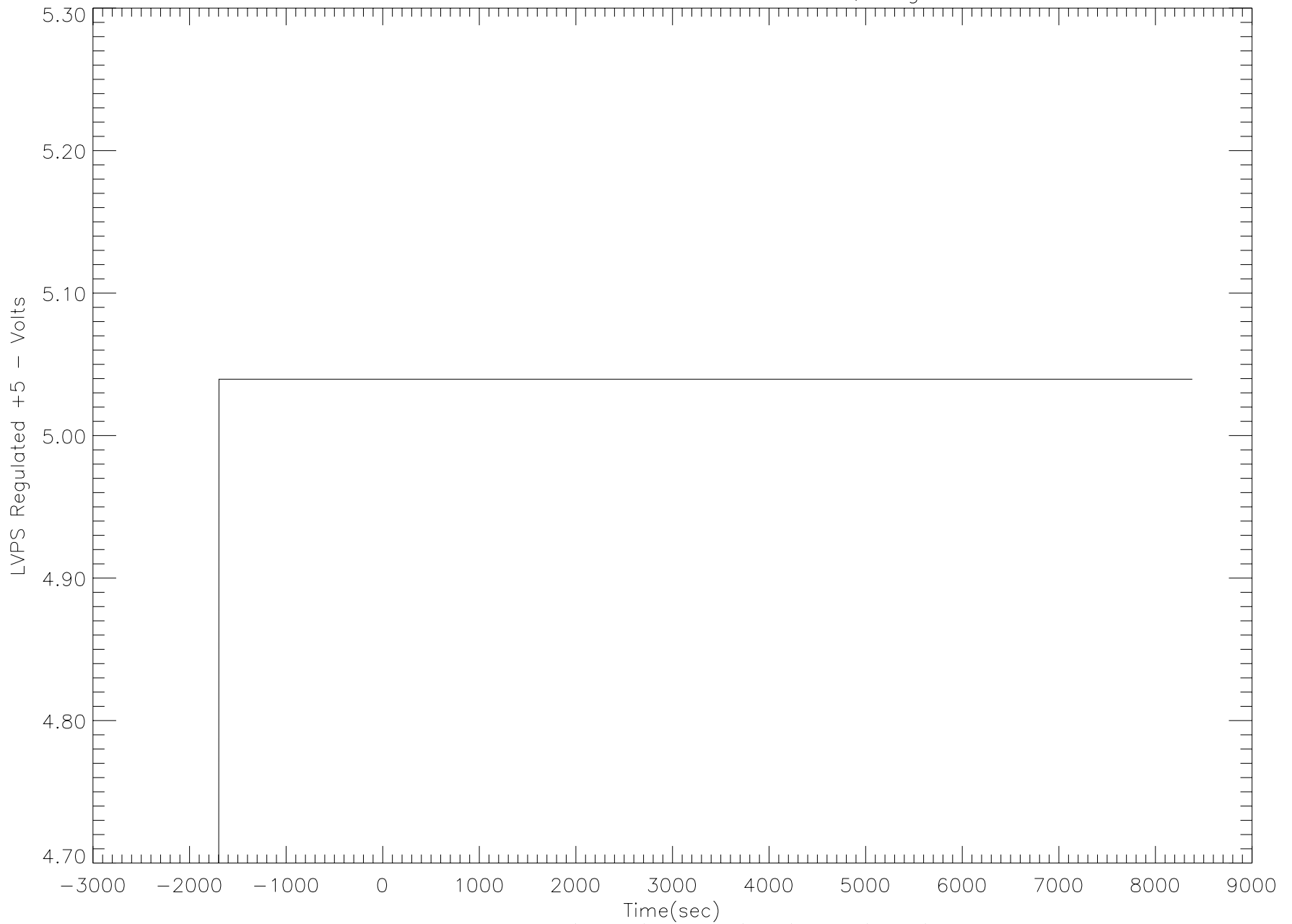
GCMS HK Data Value vs. Relative Time, Page 41



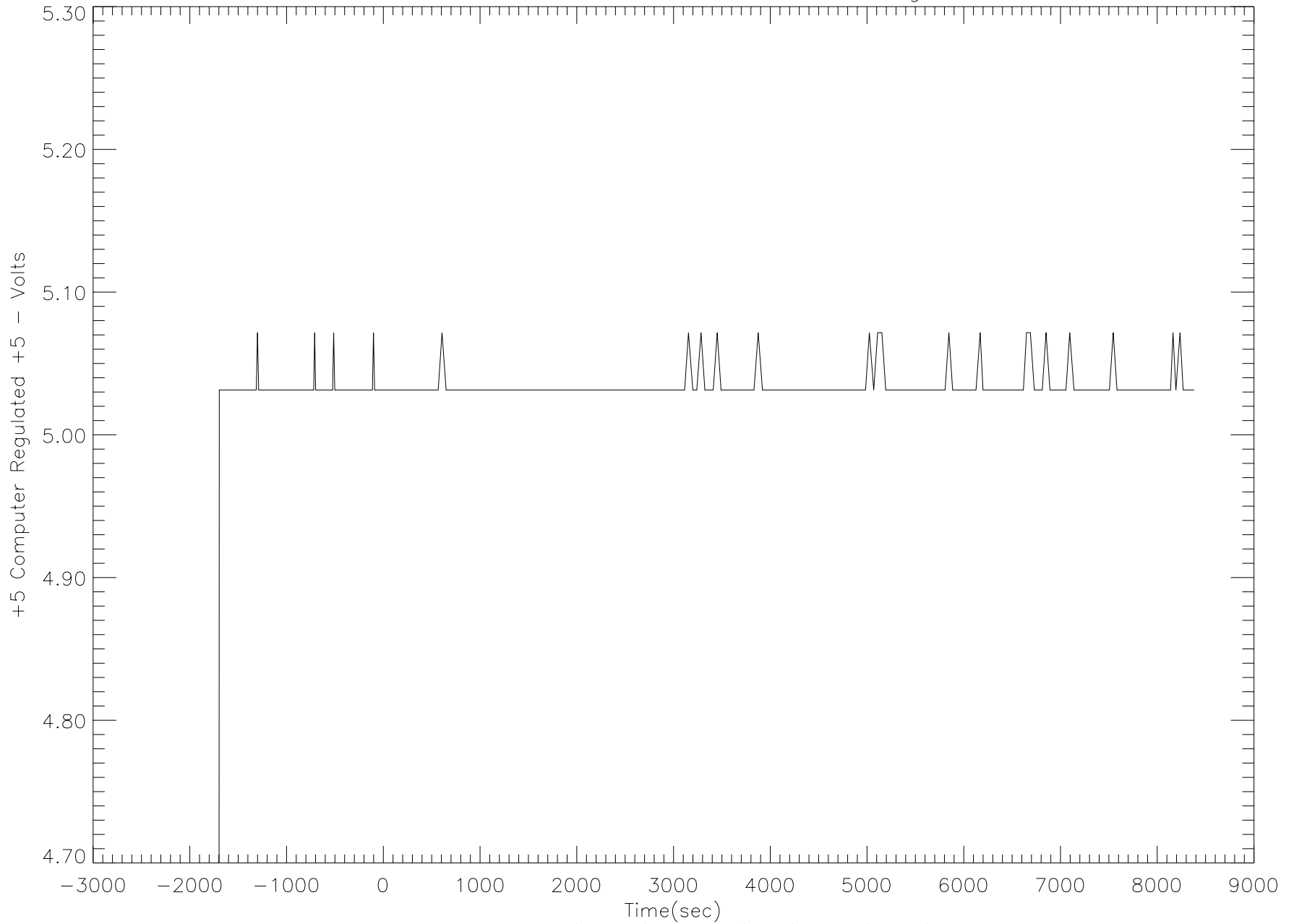
GCMS HK Data Value vs. Relative Time, Page 42



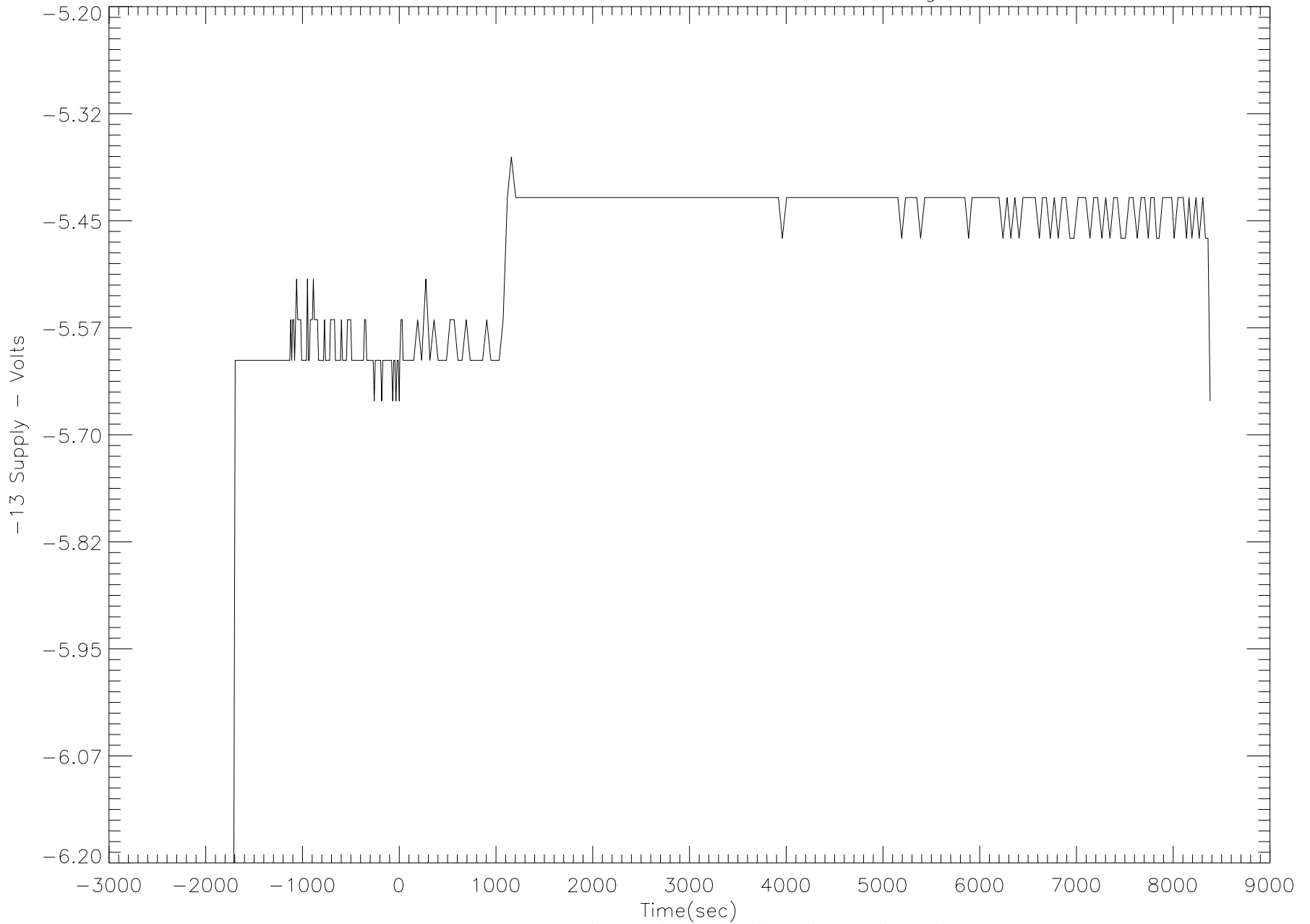
GCMS HK Data Value vs. Relative Time, Page 43



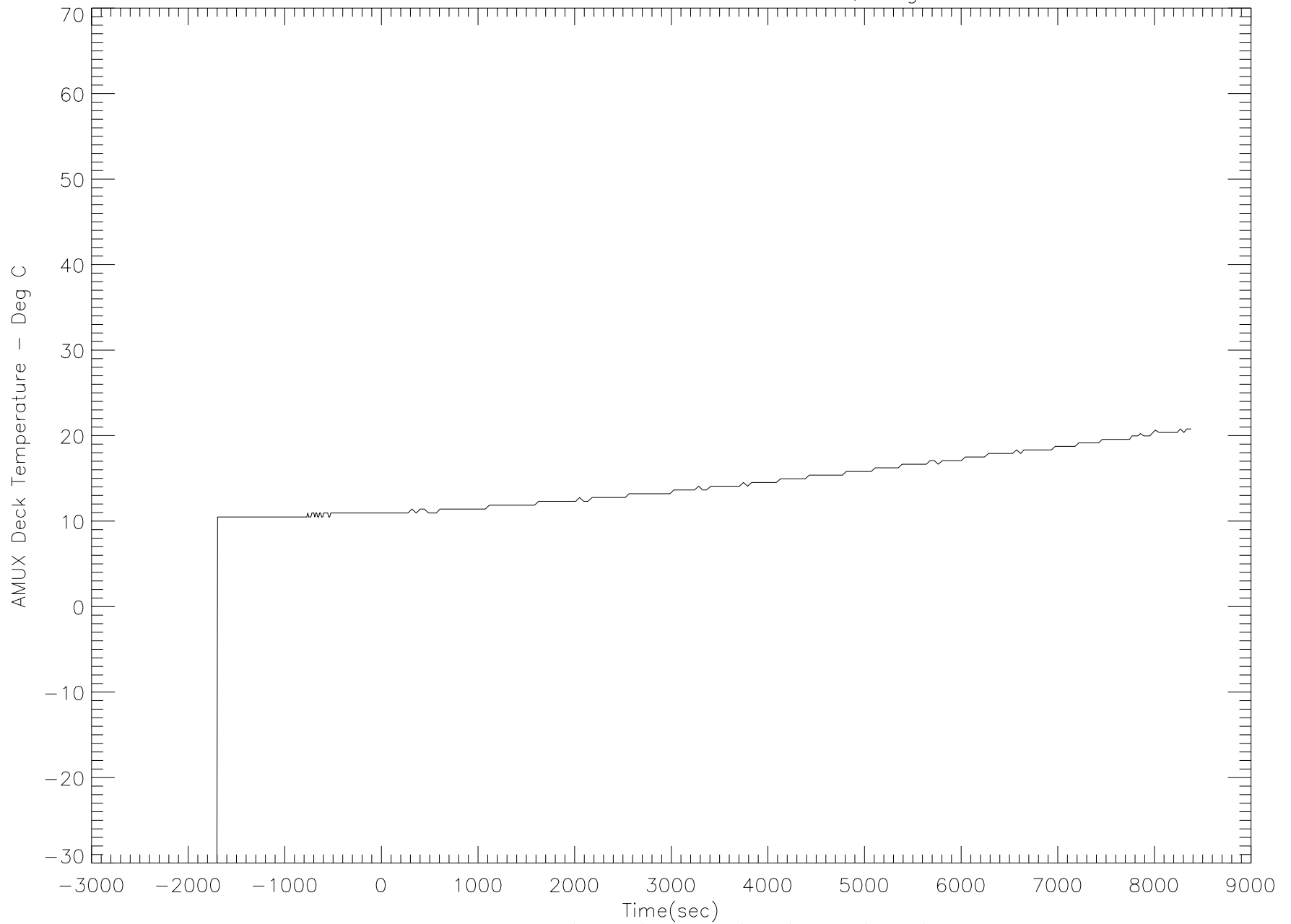
GCMS HK Data Value vs. Relative Time, Page 44



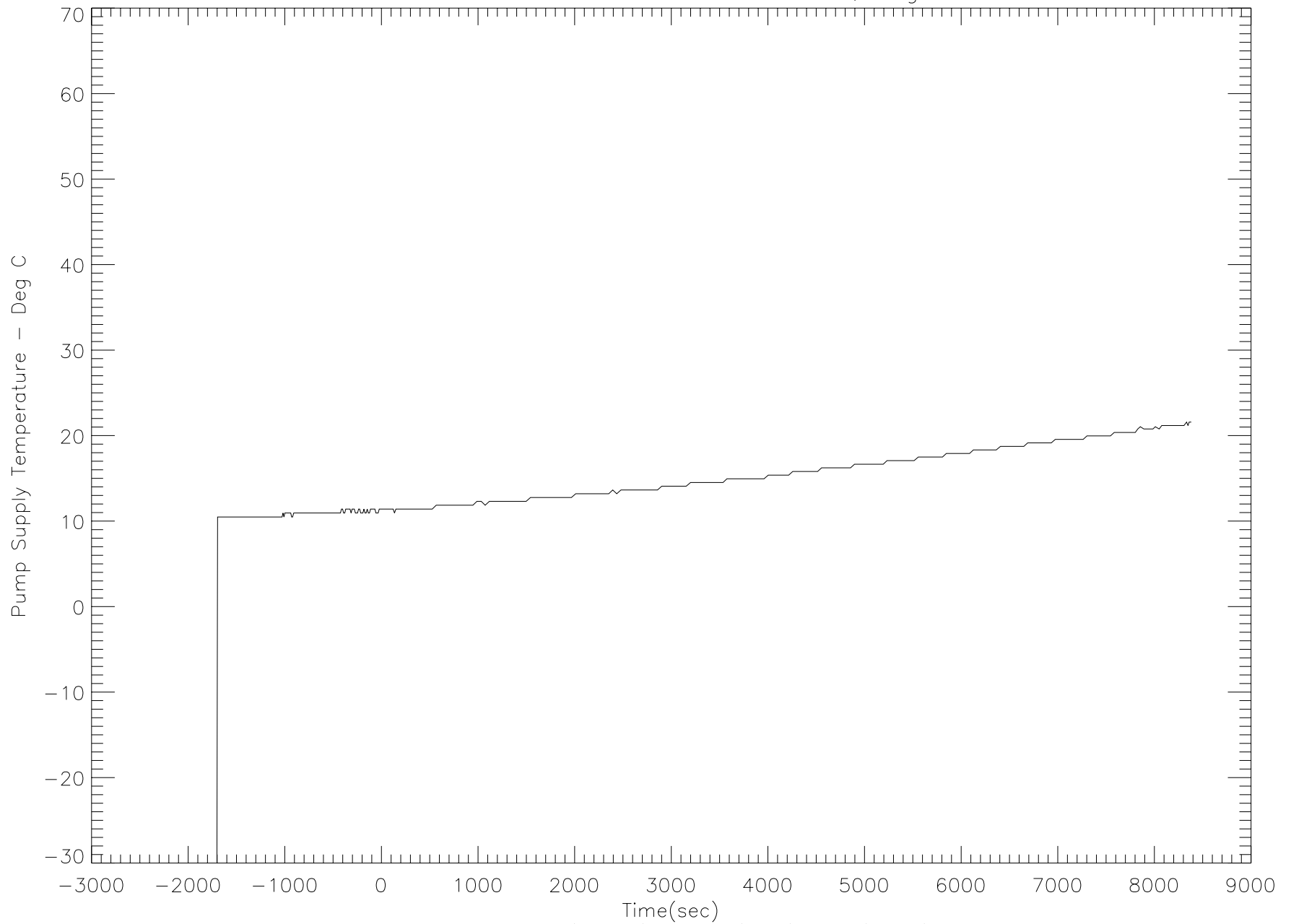
GCMS HK Data Value vs. Relative Time, Page 45



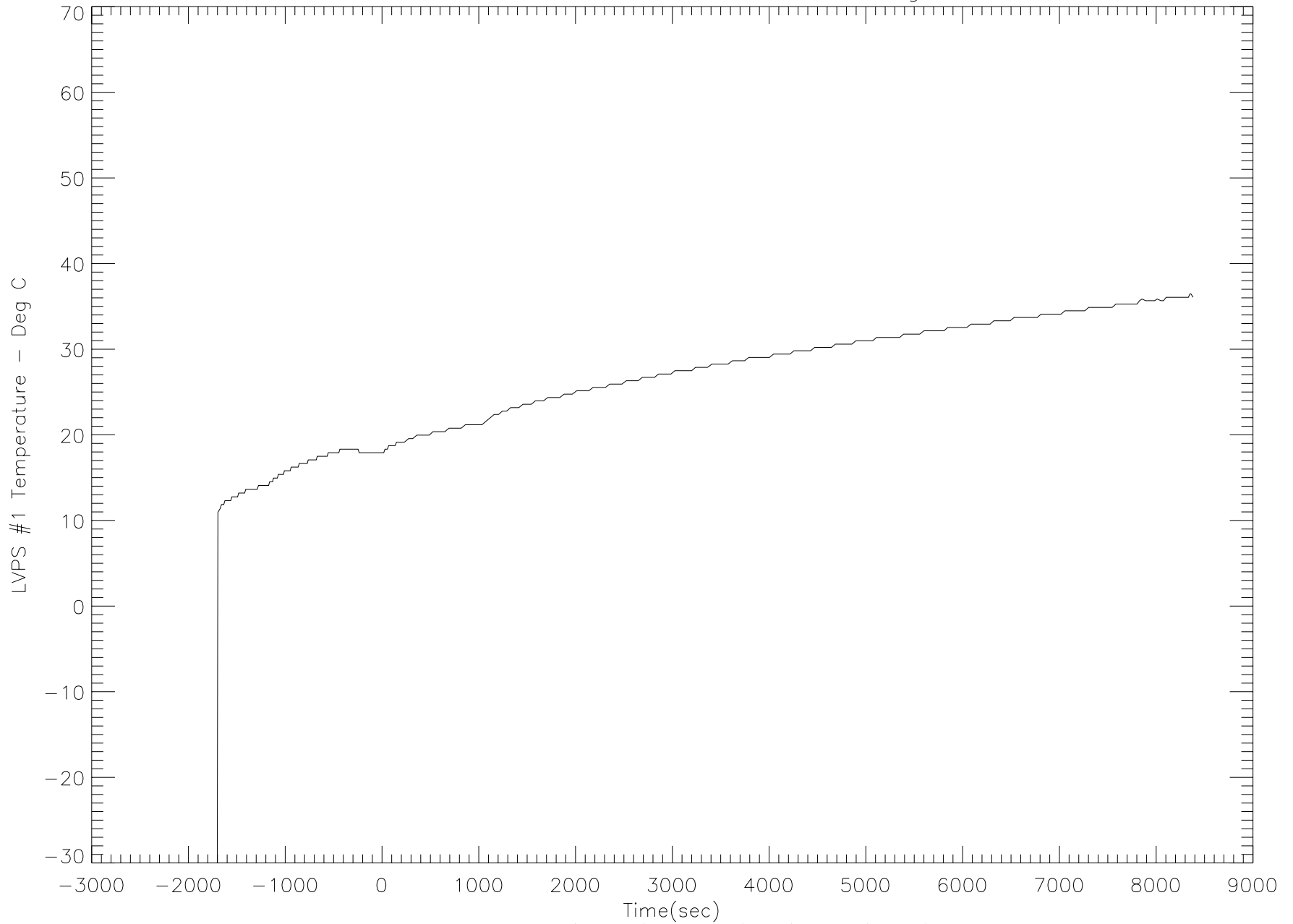
GCMS HK Data Value vs. Relative Time, Page 46



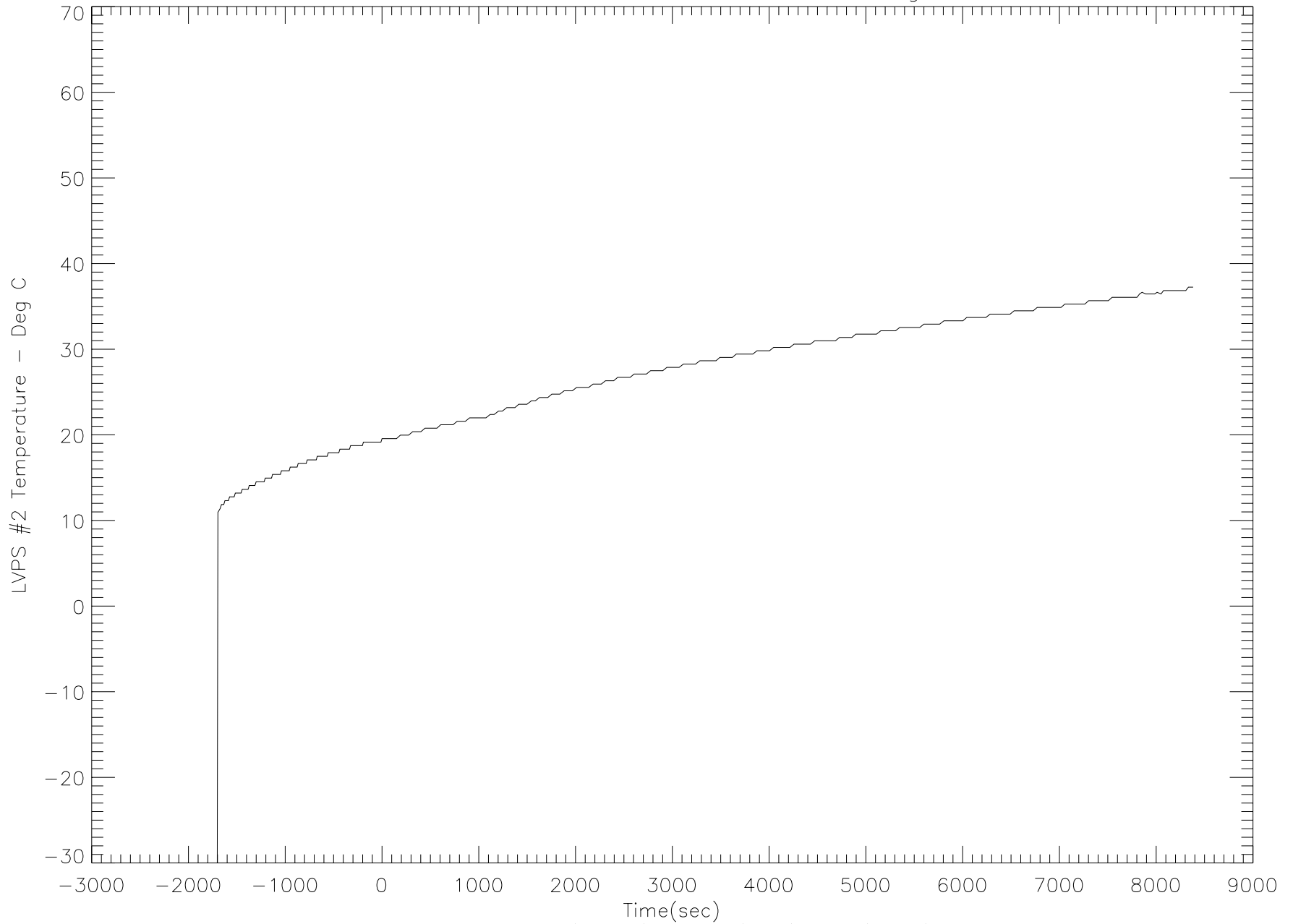
GCMS HK Data Value vs. Relative Time, Page 47



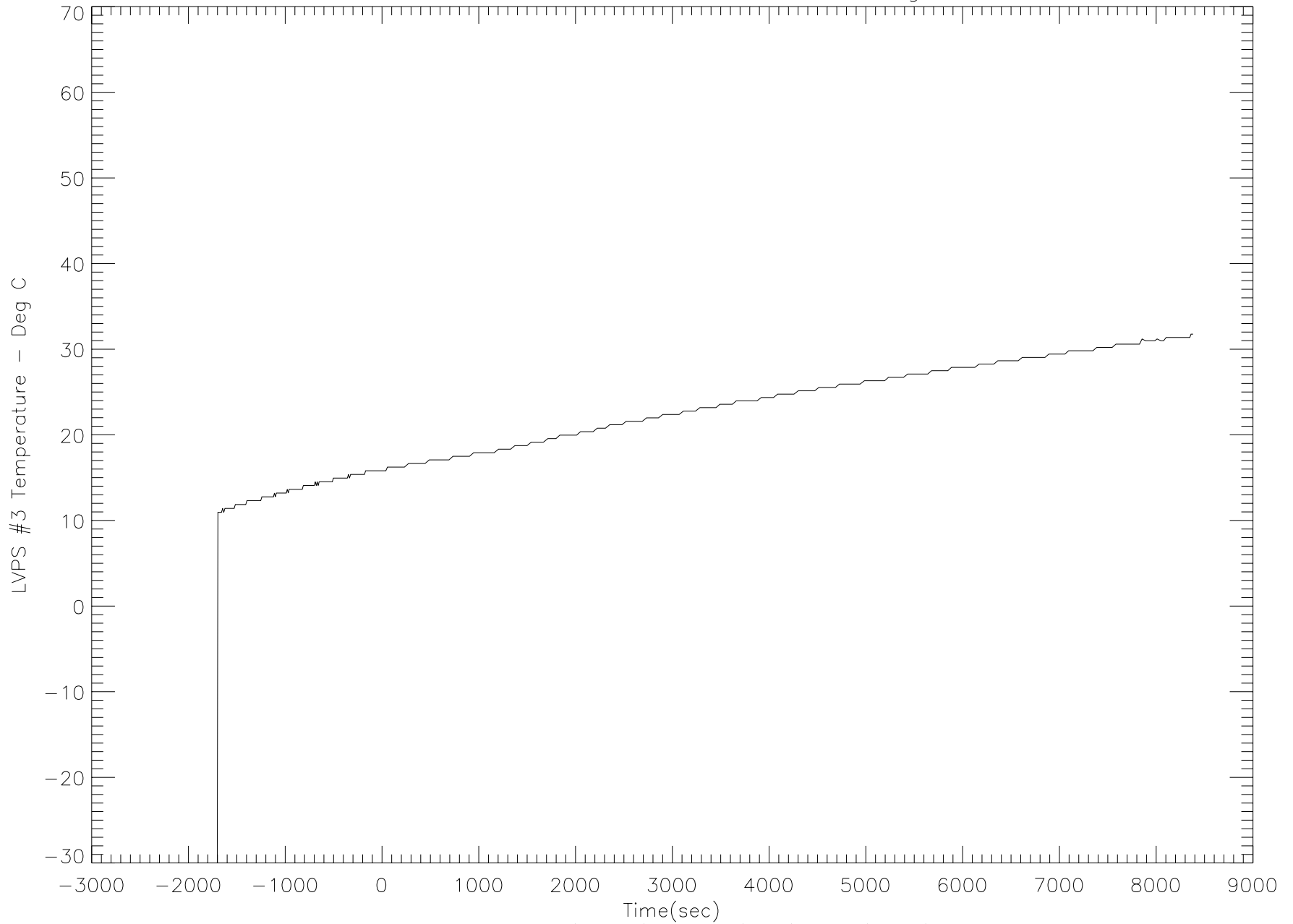
GCMS HK Data Value vs. Relative Time, Page 48



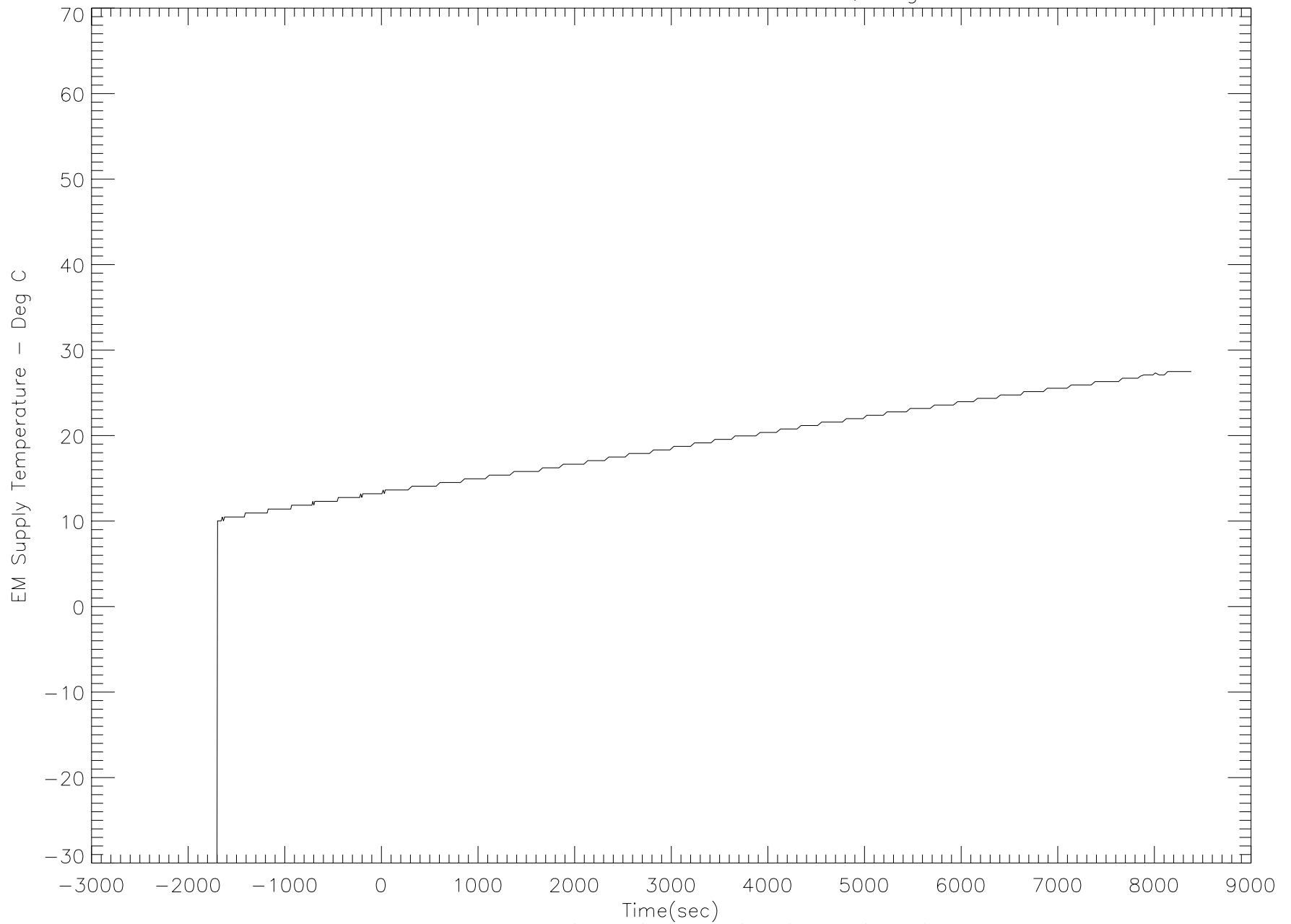
GCMS HK Data Value vs. Relative Time, Page 49



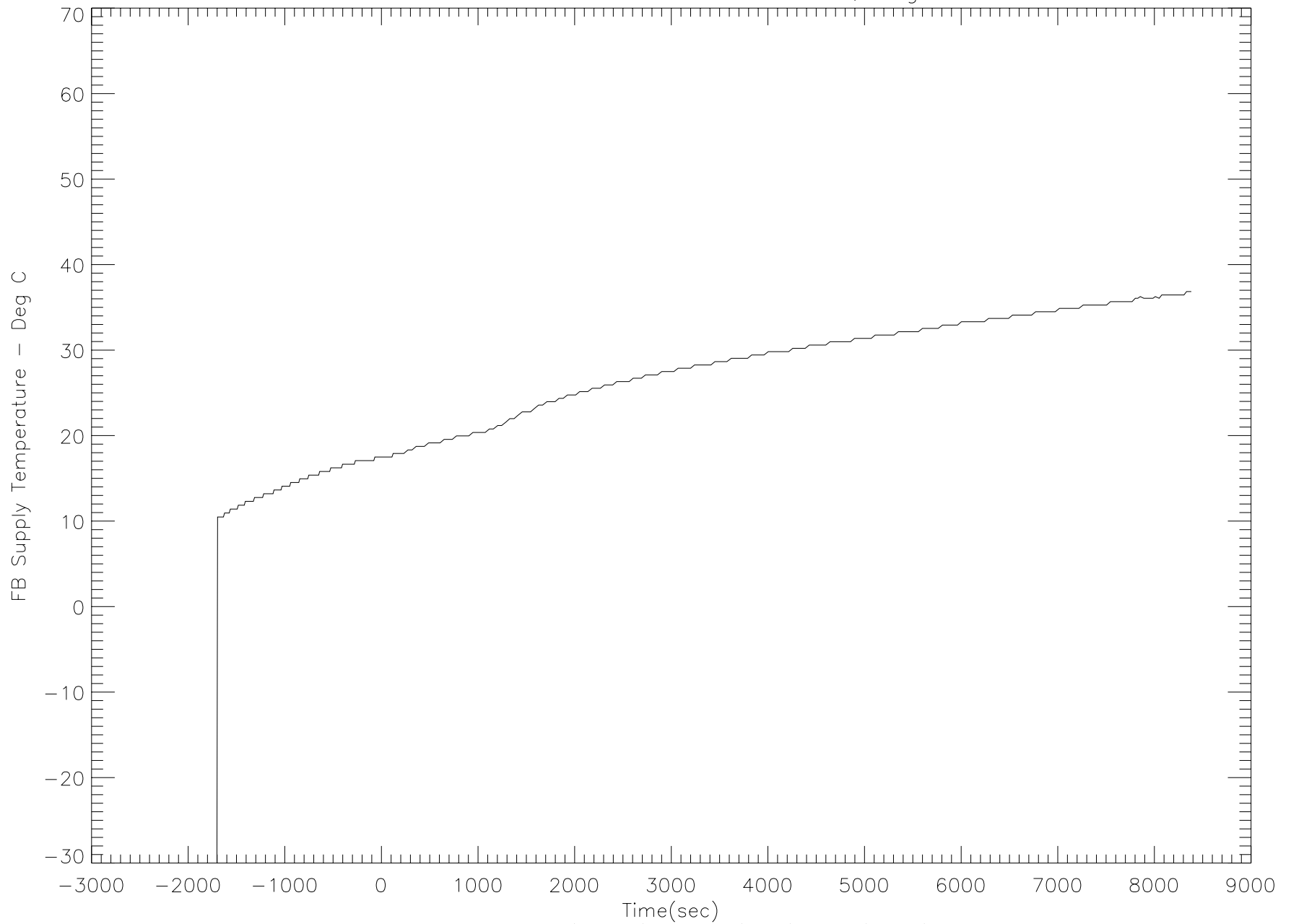
GCMS HK Data Value vs. Relative Time, Page 50



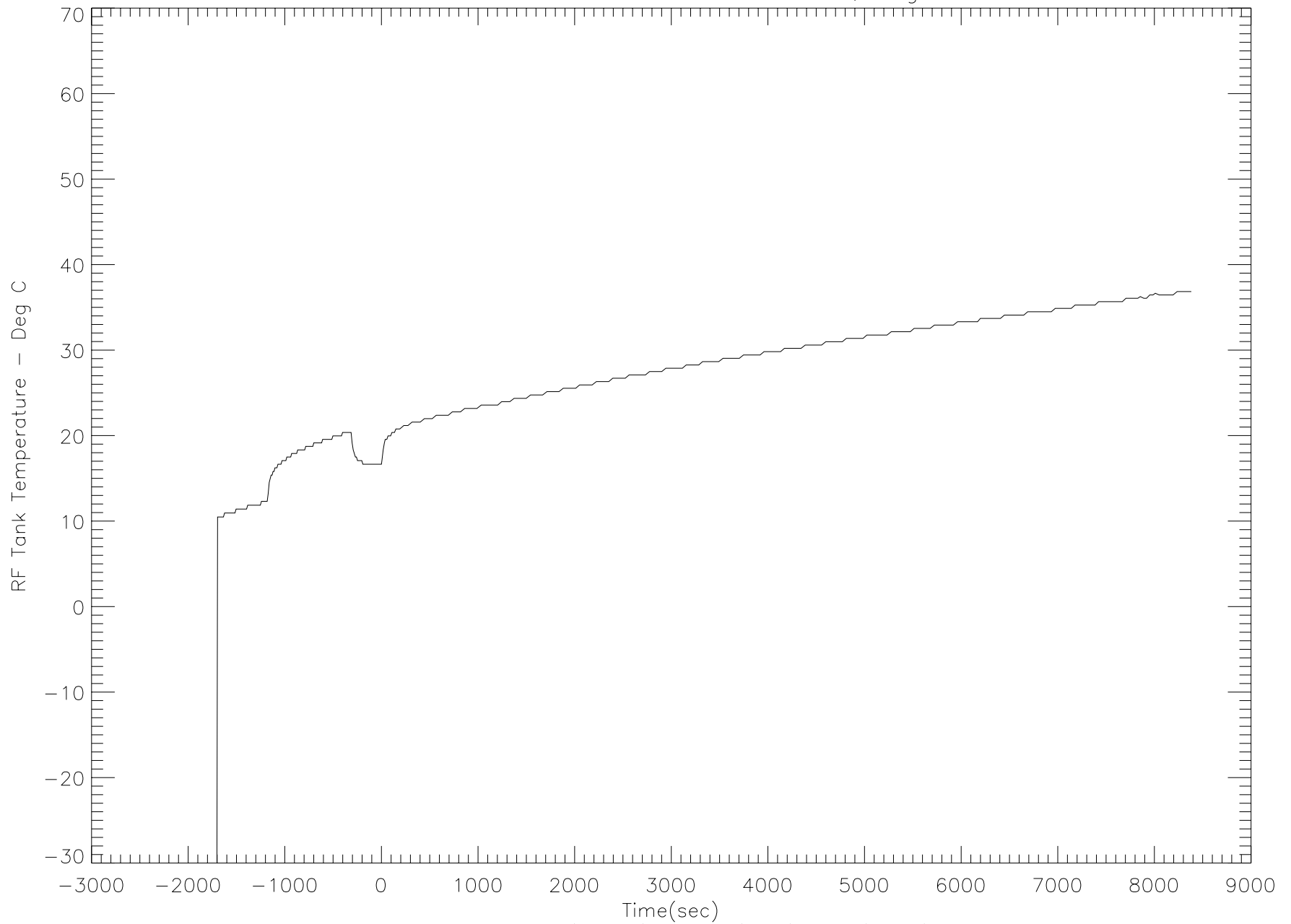
GCMS HK Data Value vs. Relative Time, Page 51



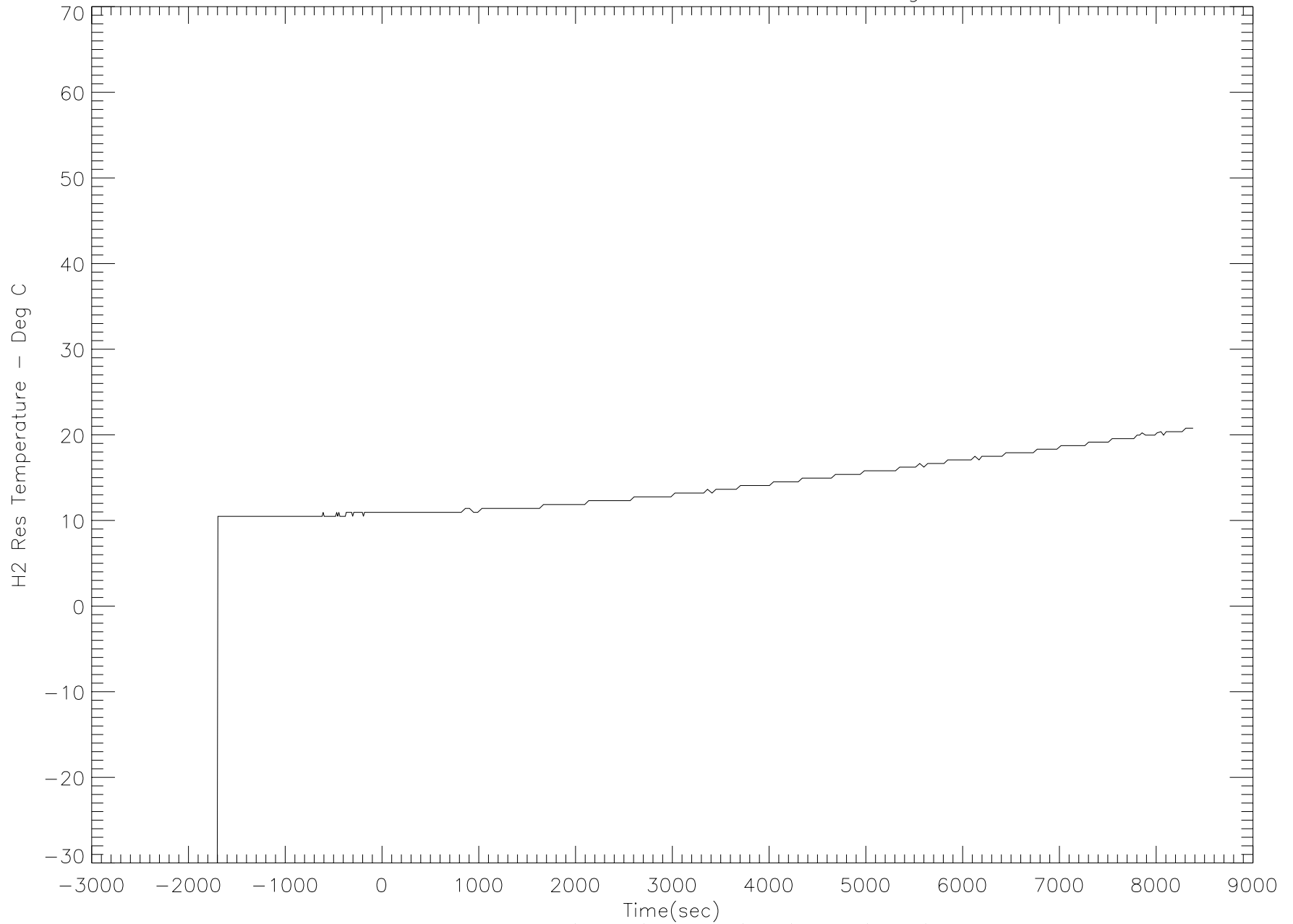
GCMS HK Data Value vs. Relative Time, Page 52



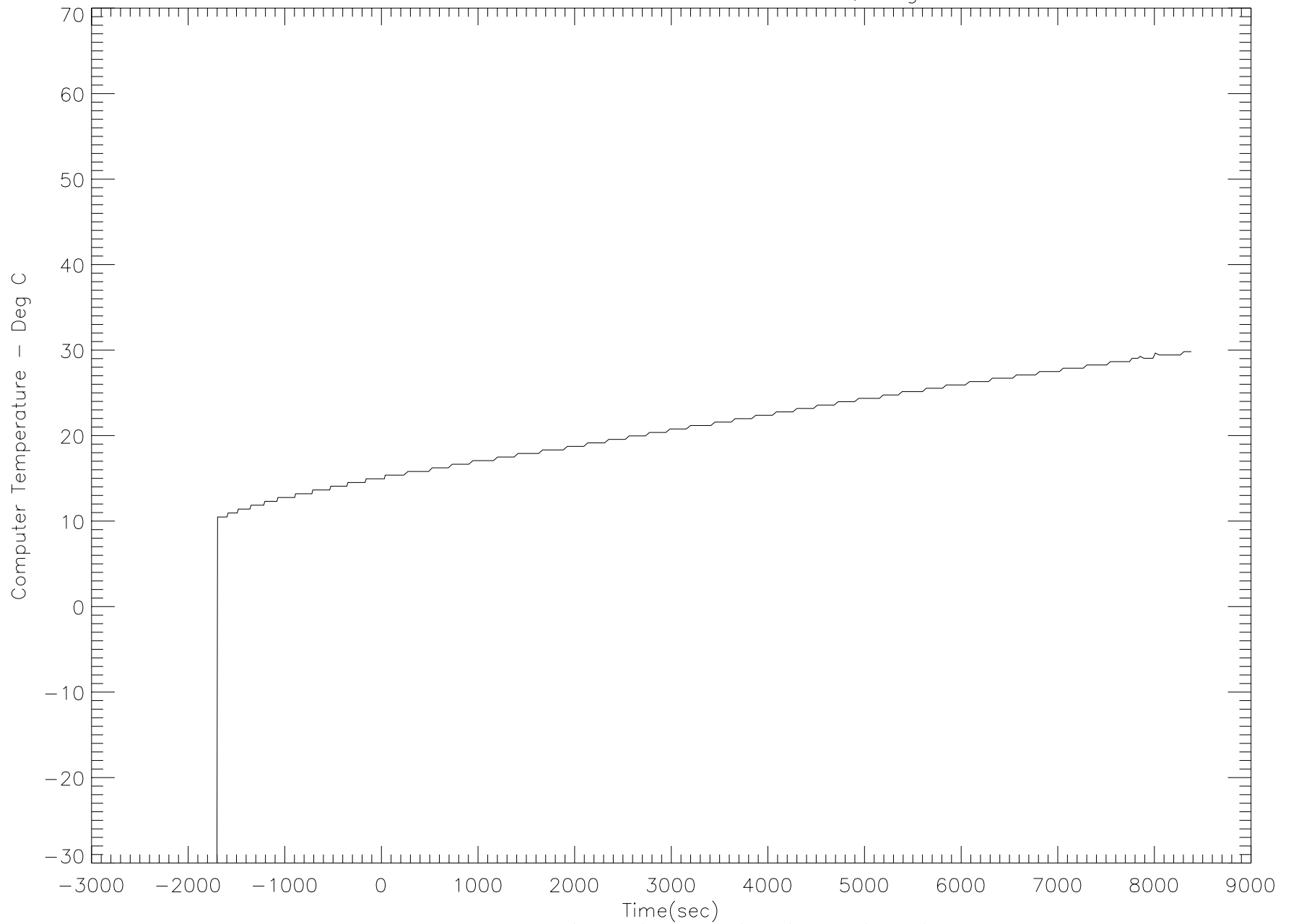
GCMS HK Data Value vs. Relative Time, Page 53



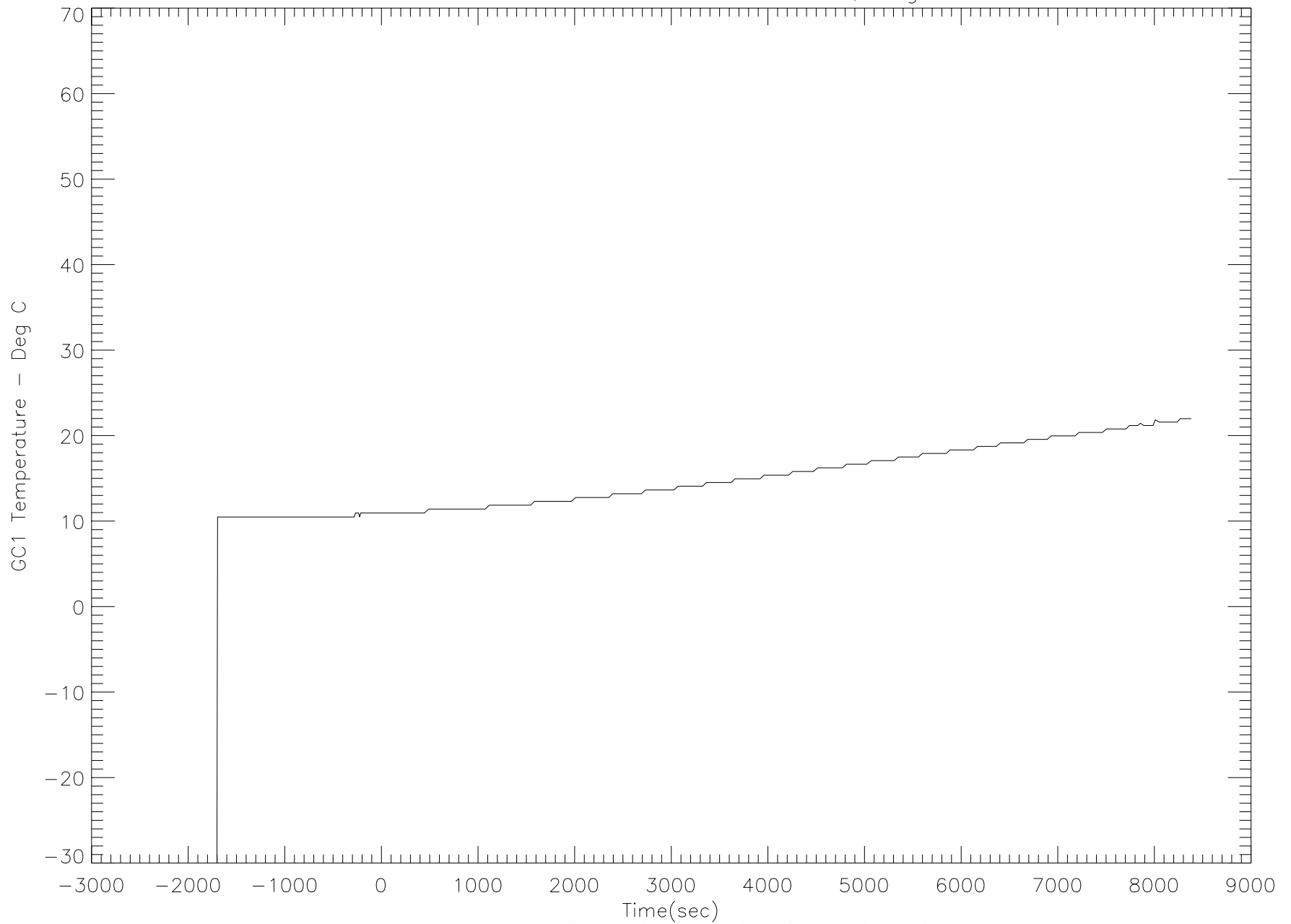
GCMS HK Data Value vs. Relative Time, Page 54



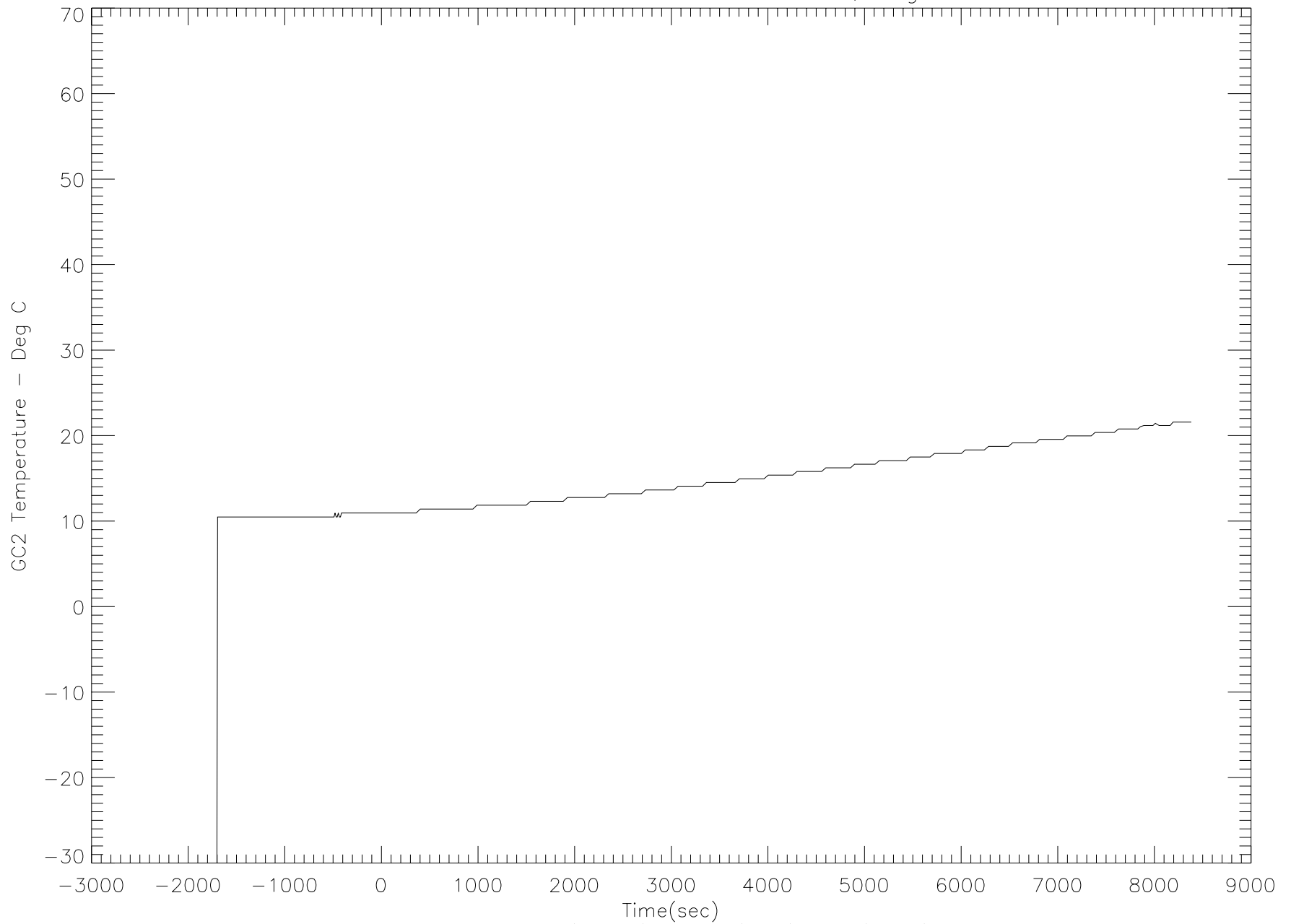
GCMS HK Data Value vs. Relative Time, Page 55



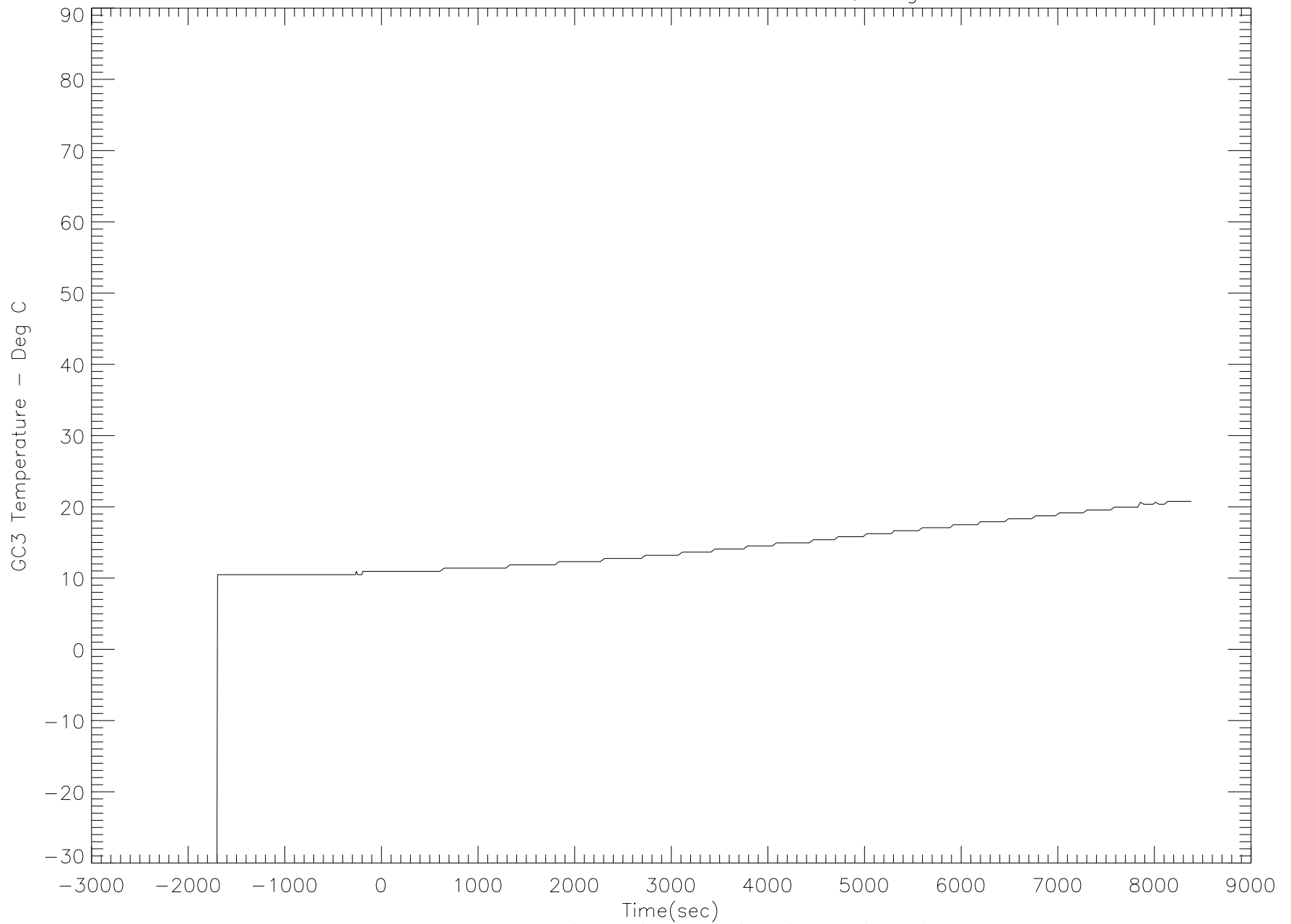
GCMS HK Data Value vs. Relative Time, Page 56



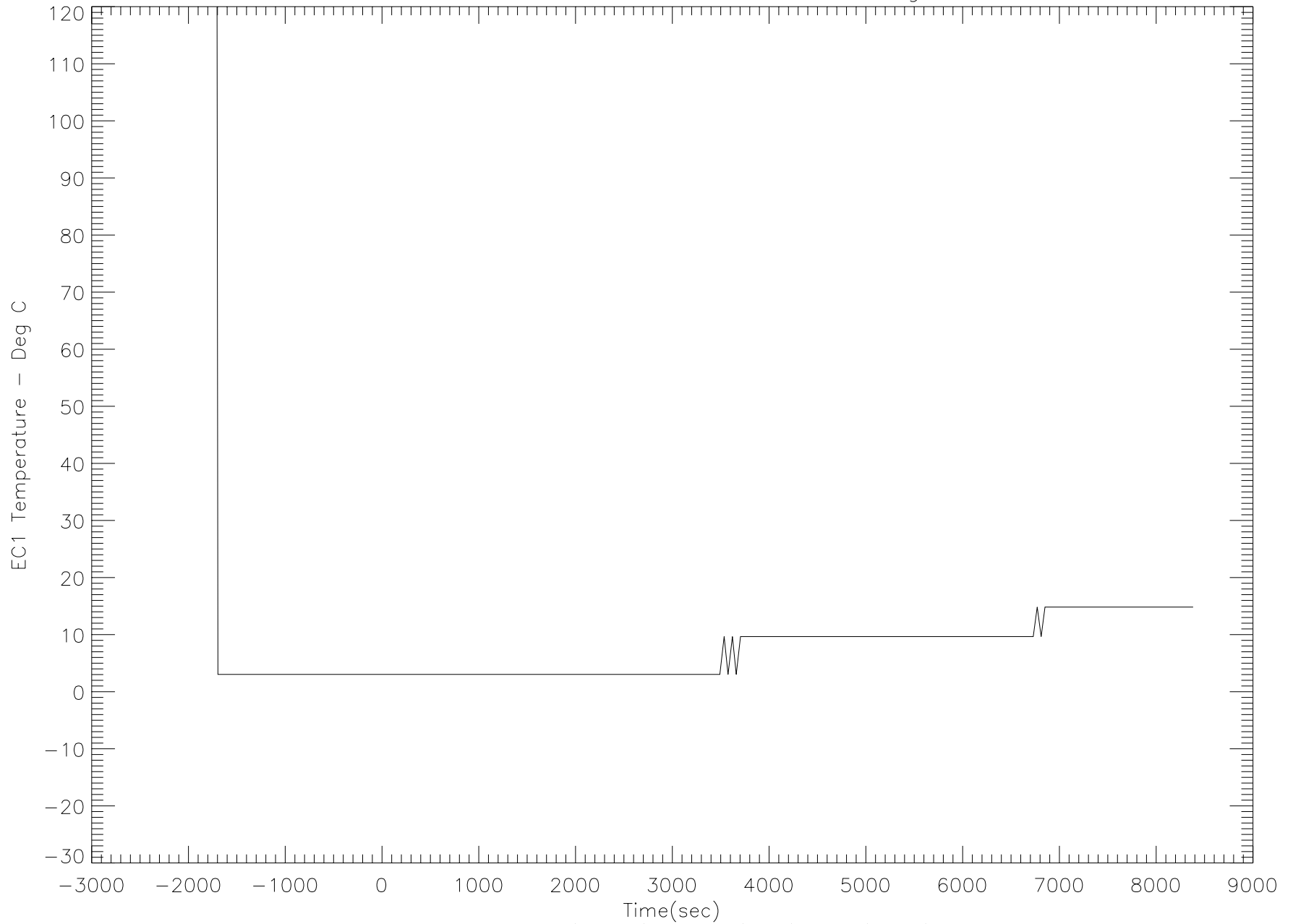
GCMS HK Data Value vs. Relative Time, Page 57



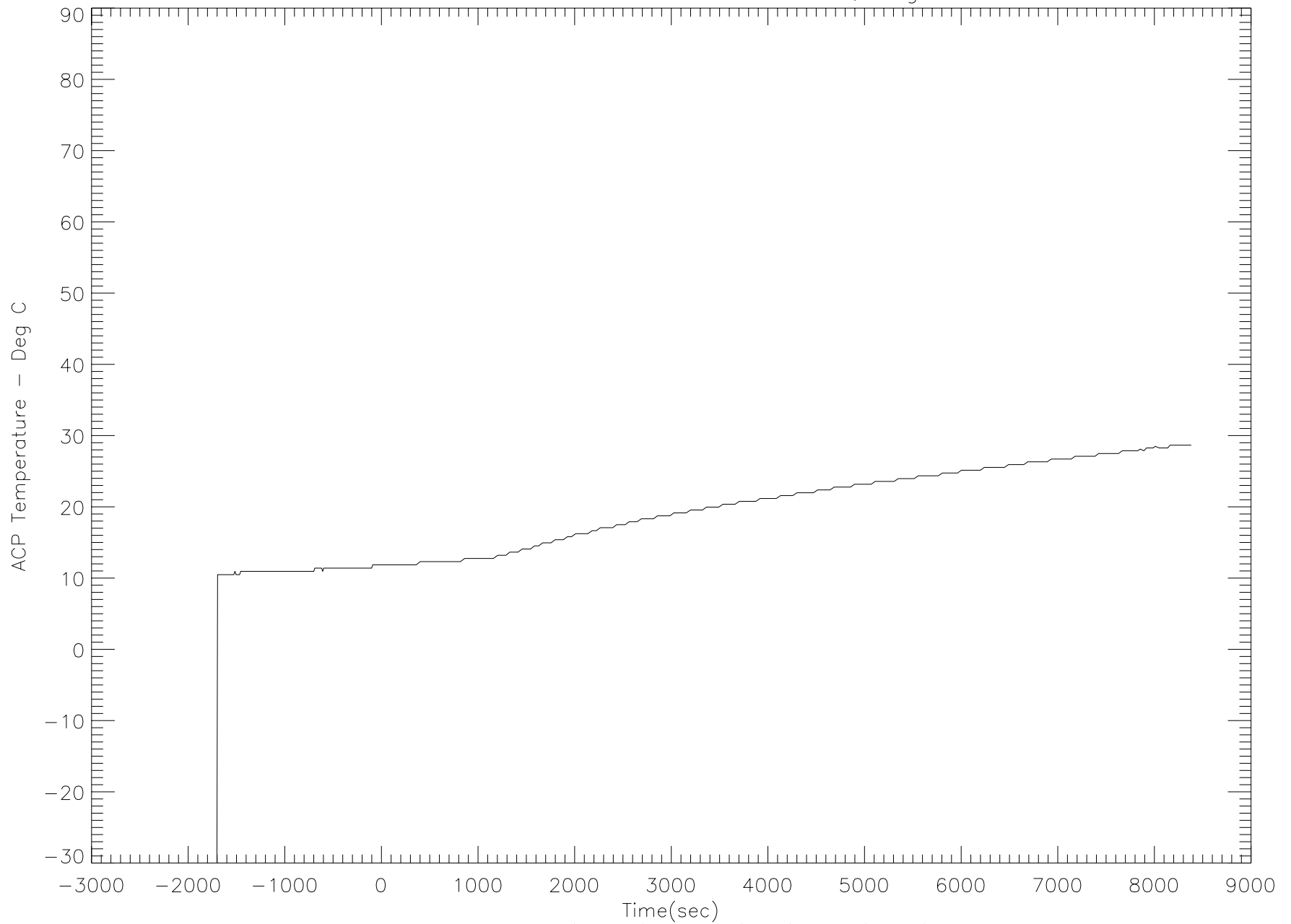
GCMS HK Data Value vs. Relative Time, Page 58



GCMS HK Data Value vs. Relative Time, Page 59



GCMS HK Data Value vs. Relative Time, Page 60



GCMS HK Data Value vs. Relative Time, Page 61

