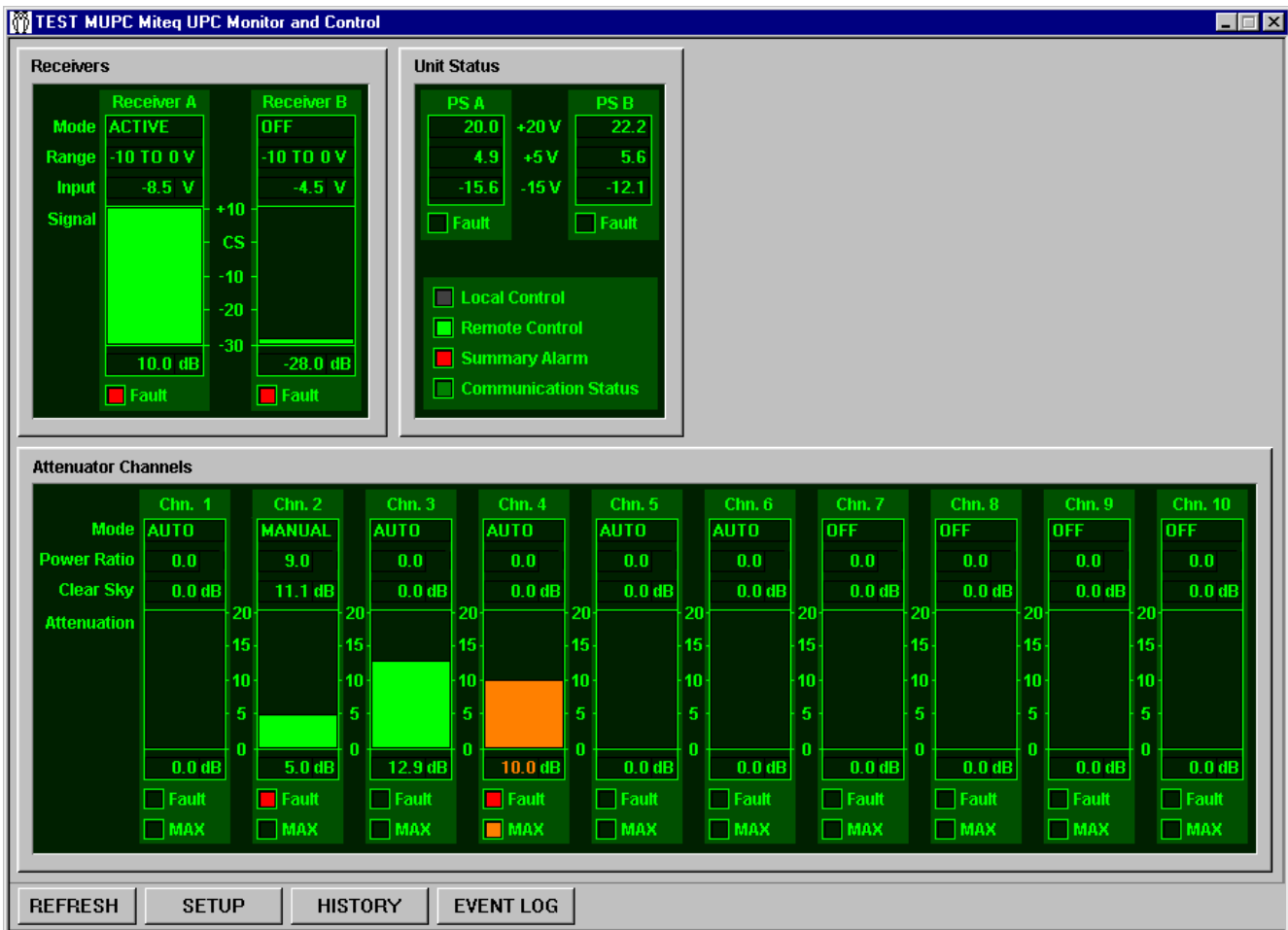




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## MICUS ALARM AND CONTROL SYSTEM (MACS) MITEQ UPC MONITOR

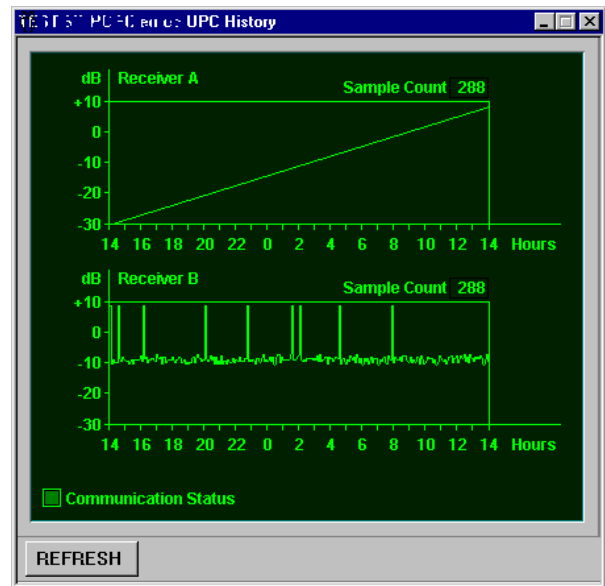


Miteq Uplink Power Control (UPC) system is a self-contained, rack mountable unit designed for geostationary satellite communications systems. *Micus Alarm and Control System (MACS)* provides automated alarm monitoring and remote control access to any number of UPCs from one or more computer workstations on your computer network.

MACS Miteq UPC equipment module supports the following remote control and monitoring features offered by the UPCs:

- Remote multi-user access via computer network
- Programmable status polling intervals
- Receiver status, alarm and configured parameters monitoring
- Unit and power supplies status monitoring
- Attenuator channels status, alarm and configured parameters monitoring
- Configuration parameters setup screen
- UPC history screen
- UPC event log screen
- Refresh button
- UPC communication alarm
- Simple Network Management Protocol (SNMP) access to Miteq UPC units

MACS Miteq UPC equipment module is immediately available from Micus Real Time Software Inc.



The screenshot shows a list of events in a table format. The columns are Date/Time, Count, and Description. The events include power supply fault recoveries, power supply faults, receiver faults, and attenuator channel recoveries.

Date/Time	Count	Description
2006/07/19 14:53	15	Receiver 'A' fault recovery
2006/07/19 15:02	05	+5V 'A' power supply fault recovery
2006/07/19 15:05	06	-15V 'A' power supply fault
2006/07/19 15:23	03	+20V 'A' power supply fault recovery
2006/07/19 16:29	20	Receiver 'A' Switched to Off
2006/07/19 16:35	14	Receiver 'A' fault
2006/07/19 17:18	16	Receiver 'B' fault
2006/07/19 17:25	12	-15V 'B' power supply fault
2006/07/19 17:59	13	-15V 'B' power supply fault recovery
2006/07/19 18:54	14	Receiver 'A' fault
2006/07/19 19:36	16	Receiver 'B' fault
2006/07/19 19:40	09	+20V 'B' power supply fault recovery
2006/07/19 19:56	12	-15V 'B' power supply fault
2006/07/19 20:08	26	Attenuator Channel 8 UPCMAX
2006/07/19 20:11	21	Receiver 'B' Switched to Active
2006/07/19 20:19	11	+5V 'B' power supply fault recovery
2006/07/19 20:37	15	Receiver 'A' fault recovery
2006/07/19 21:10	27	Attenuator Channel 1 UPCMAX recovery
2006/07/19 21:18	12	-15V 'B' power supply fault
2006/07/19 21:52	27	Attenuator Channel 1 UPCMAX recovery
2006/07/19 22:02	12	-15V 'B' power supply fault

Buttons at the bottom: Load, View, Clear, Event Count: 29, Exit.

The screenshot shows a configuration window with three sections: Unit Setup, Receiver Setup, and Attenuator Channel Setup. Each section contains various settings with 'Set' buttons.

**Unit Setup:**

- Date and Time: 06/02/2006 19:18:00 (Set, Sync)
- Algorithm: CLOSED LOOP (Set)
- Sample Time: 64 (Set)
- Idle Time: 64 (Set)
- Feedback Attenuator Channel: 2 (Set)

**Receiver Setup:**

- Receiver A Input Mode: ACTIVE (Set)
- Receiver B Input Mode: OFF (Set)

**Attenuator Channel Setup:**

- Attenuator Channel: (Set)
- Operating Mode: (Set)
- Clear Sky Attenuation: 0.2 (Set)
- Attenuation: 0.2 (Set)
- Power Ratio: 0.01 (Set)
- Step Size: 0.2 (Set)
- Impedance: 0 (Set)