

CW telemetry from satellite RS-39
TX A - 435.315 MHz TX B - 435.215 MHz

Name	Decoding	Assignment of parameters	Limits
RS 39		The callsign	
Ubs	$U=N * 0,1$ Volts	On board voltage	10...15 V
Ibs	$I=N * 0,01$ Amp	On board current	0,3...5 A
Usun	$U=N * 0,1$ Volts	Charge voltage from solar array	10...16 V
Isun	$I=N * 0,01$ Amp	Charge current from solar array	0...5 A
Itxa	$I=N * 0,01$ Amp	DC current of the 435 MHz Tx A	0, 0,8...1,9 A
Itxb	$I=N * 0,01$ Amp	DC current of the 435 MHz Tx B	0, 0,8...1,9 A
Ttxa	N-128 °C	The temperature of the 435 MHz Tx A	-10...+50 °C
Ttxb	N-128 °C	The temperature of the 435 MHz Tx B	-10...+50 °C
Tnap	N-128 °C	The temperature of the navigation unit	-10...+50 °C
Tab	N-128 °C	The temperature board battery	-5...+40 °C
Msep	The table of the operational modes	Operational modes of the power supply	N=0...255
Mcon	The table of the operational modes	Operational modes of the controller	N=0...255
Sma	The table of the operational modes	Operational modes of channel A	N=0...255
Smb	The table of the operational modes	Operational modes of channel B	N=0...255
Mrxa	The table of the operational modes	Operational modes of Rx A	N=0...255
Mrxb	The table of the operational modes	Operational modes of Rx B	N=0...255
RS 39		The callsign	

The Research Laboratory of Aerospace technology
Alexander Papkov, Head, UA3XBU