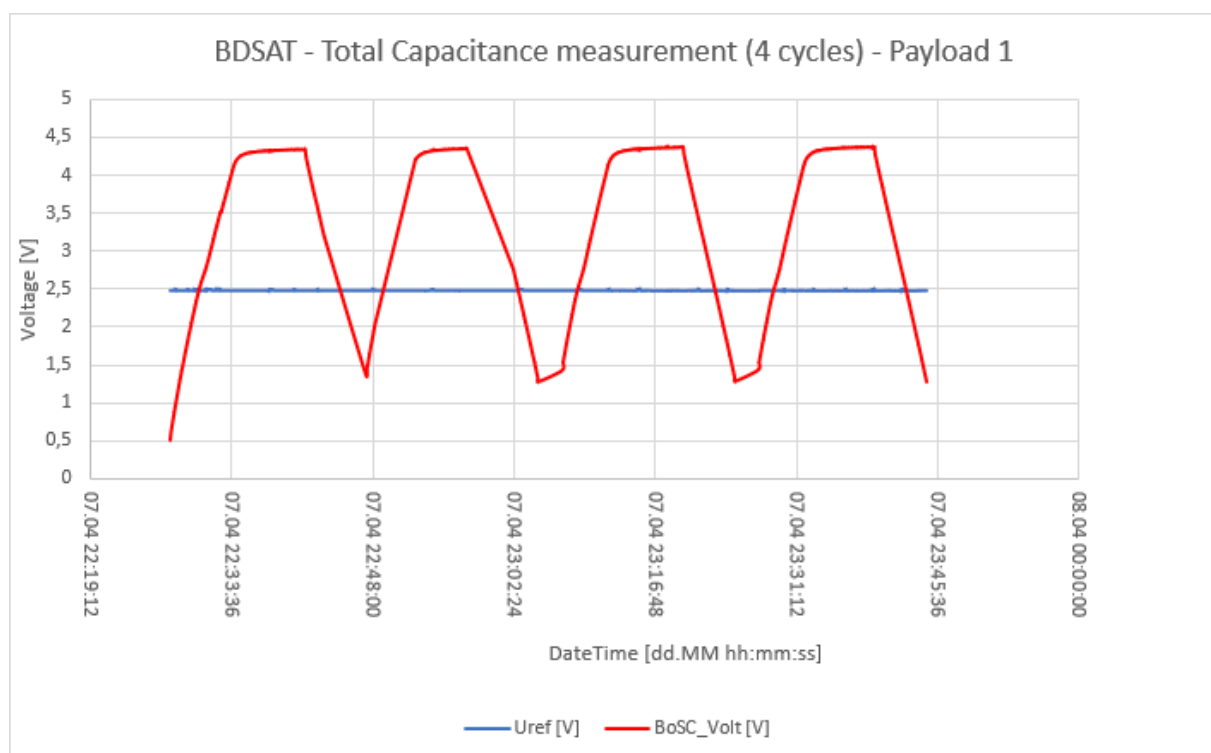


## Měření celkové kapacity banky superkapacitorů – Payload 1:

BDSAT - Total Capacitance measurement																			
Date: 7.4.2022																			
Measurement #1				Measurement #2				Measurement #3				Measurement #4							
DateTime	Signal	Meaning	real_ref [mV]	real_val [mV]	DateTime	Signal	Meaning	real_ref [mV]	real_val [mV]	DateTime	Signal	Meaning	real_ref [mV]	real_val [mV]	DateTime	Signal	Meaning	real_ref [mV]	real_val [mV]
07.04.2022 22:27	I_Y2Init	C/2 before charging	2494	255	07.04.2022 22:47	I_Y2Init	C/2 before charging	2494	679	07.04.2022 23:07	I_Y2Init	C/2 before charging	2493	717	07.04.2022 23:27	I_Y2Init	C/2 before charging	2493	720
07.04.2022 22:36	I_Y2ChargeOn	C/2 after charging	2494	2155	07.04.2022 22:54	I_Y2ChargeOn	C/2 after charging	2494	2166	07.04.2022 23:14	I_Y2ChargeOn	C/2 after charging	2493	2172	07.04.2022 23:33	I_Y2ChargeOn	C/2 after charging	2493	2169
07.04.2022 22:36	I_Y4ChargeOn	C_1_2 voltage after charging	2494	2155	07.04.2022 22:54	I_Y4ChargeOn	C_1_2 voltage after charging	2494	2165	07.04.2022 23:14	I_Y4ChargeOn	C_1_2 voltage after charging	2493	2170	07.04.2022 23:33	I_Y4ChargeOn	C_1_2 voltage after charging	2493	2167
07.04.2022 22:36	I_Y2ChargeOff	C/2 after charging off	2494	2157	07.04.2022 22:54	I_Y2ChargeOff	C/2 after charging off	2494	2166	07.04.2022 23:14	I_Y2ChargeOff	C/2 after charging off	2493	2172	07.04.2022 23:33	I_Y2ChargeOff	C/2 after charging off	2493	2169
07.04.2022 22:36	I_Y4ChargeOff	C_1_2 voltage after charging off	2494	2155	07.04.2022 22:54	I_Y4ChargeOff	C_1_2 voltage after charging off	2494	2165	07.04.2022 23:14	I_Y4ChargeOff	C_1_2 voltage after charging off	2493	2170	07.04.2022 23:33	I_Y4ChargeOff	C_1_2 voltage after charging off	2493	2167
07.04.2022 22:41	Y2Init	C/2 before discharging	2494	2171	07.04.2022 22:59	Y2Init	C/2 before discharging	2494	2179	07.04.2022 23:19	Y2Init	C/2 before discharging	2493	2186	07.04.2022 23:39	Y2Init	C/2 before discharging	2493	2190
07.04.2022 22:41	Y4Init	C_1_2 before discharging	2494	2170	07.04.2022 22:59	Y4Init	C_1_2 before discharging	2494	2178	07.04.2022 23:19	Y4Init	C_1_2 before discharging	2493	2184	07.04.2022 23:39	Y4Init	C_1_2 before discharging	2493	2182
07.04.2022 22:41	Y2Cap_Mea_1	U1/2 for capacitance calculation	2494	2048	07.04.2022 22:59	Y2Cap_Mea_1	U1/2 for capacitance calculation	2494	2057	07.04.2022 23:19	Y2Cap_Mea_1	U1/2 for capacitance calculation	2493	2063	07.04.2022 23:39	Y2Cap_Mea_1	U1/2 for capacitance calculation	2493	2064
07.04.2022 22:41	Y4Cap_Mea_1	U2/2 for capacitance calculation	2494	2048	07.04.2022 22:59	Y4Cap_Mea_1	U2/2 for capacitance calculation	2494	2057	07.04.2022 23:19	Y4Cap_Mea_1	U2/2 for capacitance calculation	2494	2062	07.04.2022 23:39	Y4Cap_Mea_1	U2/2 for capacitance calculation	2494	2064
07.04.2022 22:46	Y2Cap_Mea_2	U2/2 for capacitance calculation	2494	630	07.04.2022 23:04	Y2Cap_Mea_2	U2/2 for capacitance calculation	2494	641	07.04.2022 23:24	Y2Cap_Mea_2	U2/2 for capacitance calculation	2493	643	07.04.2022 23:44	Y2Cap_Mea_2	U2/2 for capacitance calculation	2494	638
07.04.2022 22:46	Y4Cap_Mea_2	U2/2 for capacitance calculation	2494	628	07.04.2022 23:04	Y4Cap_Mea_2	U2/2 for capacitance calculation	2494	639	07.04.2022 23:24	Y4Cap_Mea_2	U2/2 for capacitance calculation	2493	641	07.04.2022 23:44	Y4Cap_Mea_2	U2/2 for capacitance calculation	2494	636
07.04.2022 22:46	Y2Off	C/2 after discharging off	2494	650	07.04.2022 23:04	Y2Off	C/2 after discharging off	2493	662	07.04.2022 23:24	Y2Off	C/2 after discharging off	2493	664	07.04.2022 23:44	Y2Off	C/2 after discharging off	2494	658
07.04.2022 22:46	Y4Off	C_1_2 after discharging off	2494	649	07.04.2022 23:04	Y4Off	C_1_2 after discharging off	2494	659	07.04.2022 23:24	Y4Off	C_1_2 after discharging off	2493	662	07.04.2022 23:44	Y4Off	C_1_2 after discharging off	2494	656
07.04.2022 22:46	Pressure_1	P_1_1 output	2494	1459	07.04.2022 23:04	Pressure_1	P_1_1 output	2494	1557	07.04.2022 23:24	Pressure_1	P_1_1 output	2493	1668	07.04.2022 23:44	Pressure_1	P_1_1 output	2494	1500
07.04.2022 22:46	Pressure_2	P_1_2 output	2494	1561	07.04.2022 23:04	Pressure_2	P_1_2 output	2494	1616	07.04.2022 23:24	Pressure_2	P_1_2 output	2493	1679	07.04.2022 23:44	Pressure_2	P_1_2 output	2494	1587
07.04.2022 22:46	Temperature_1	Pt_1_1	2494	1651	07.04.2022 23:04	Temperature_1	Pt_1_1	2494	1843	07.04.2022 23:24	Temperature_1	Pt_1_1	2494	2043	07.04.2022 23:44	Temperature_1	Pt_1_1	2493	1732
07.04.2022 22:46	Temperature_2	Pt_1_2	2494	1651	07.04.2022 23:04	Temperature_2	Pt_1_2	2494	1832	07.04.2022 23:24	Temperature_2	Pt_1_2	2493	2045	07.04.2022 23:44	Temperature_2	Pt_1_2	2494	1744
ΔTime [s]			300		300			300		300			300		300				
I_discharging [A]			0,05		0,05			0,05		0,05			0,05		0,05				
Total Capacitance [F]			5,28914		5,29661			5,28169		5,259467			5,259467		5,259467				



## Měření celkové kapacity banky superkapacitorů – Payload 2:

BDSAT - Total Capacitance measurement													
Date: 7.4.2022													
Measurement #1					Measurement #2			Measurement #3			Measurement #4		
DateTime	Signal	Meaning	real_ref [mV]	real_val [mV]	DateTime	real_ref [mV]	real_val [mV]	DateTime	real_ref [mV]	real_val [mV]	DateTime	real_ref [mV]	real_val [mV]
07.04.2022 22:27	I_Y2Init	C/2 before charging	2492	509	07.04.2022 22:47	2492	658	07.04.2022 23:07	2492	687	07.04.2022 23:27	2491	691
07.04.2022 22:35	I_Y2ChargeOn	C/2 after charging	2492	2152	07.04.2022 22:54	2492	2161	07.04.2022 23:14	2491	2167	07.04.2022 23:34	2491	2168
07.04.2022 22:35	I_Y4ChargeOn	C_1_2 voltage after charging	2492	2151	07.04.2022 22:54	2492	2160	07.04.2022 23:14	2491	2166	07.04.2022 23:34	2491	2168
07.04.2022 22:35	I_Y2ChargeOff	C/2 after charging off	2492	2152	07.04.2022 22:54	2492	2161	07.04.2022 23:14	2491	2167	07.04.2022 23:34	2491	2168
07.04.2022 22:35	I_Y4ChargeOff	C_1_2 voltage after charging off	2492	2151	07.04.2022 22:54	2492	2160	07.04.2022 23:14	2491	2166	07.04.2022 23:34	2491	2168
07.04.2022 22:41	Y2Init	C/2 before discharging	2492	2167	07.04.2022 22:59	2492	2174	07.04.2022 23:19	2491	2182	07.04.2022 23:39	2491	2187
07.04.2022 22:41	Y4Init	C_1_2 before discharging	2492	2166	07.04.2022 22:59	2492	2173	07.04.2022 23:19	2491	2181	07.04.2022 23:39	2491	2185
07.04.2022 22:41	Y2Cap_Mea_1	U1/2 for capacitance calculation	2492	2048	07.04.2022 22:59	2491	2055	07.04.2022 23:19	2491	2062	07.04.2022 23:39	2491	2062
07.04.2022 22:41	Y4Cap_Mea_1		2492	2048	07.04.2022 22:59	2491	2054	07.04.2022 23:19	2491	2062	07.04.2022 23:39	2491	2062
07.04.2022 22:46	Y2Cap_Mea_2	U2/2 for capacitance calculation	2492	612	07.04.2022 23:04	2491	616	07.04.2022 23:24	2491	620	07.04.2022 23:44	2491	618
07.04.2022 22:46	Y4Cap_Mea_2		2492	609	07.04.2022 23:04	2491	614	07.04.2022 23:24	2491	619	07.04.2022 23:44	2491	614
07.04.2022 22:46	Y2Off	C/2 after discharging off	2492	630	07.04.2022 23:04	2492	634	07.04.2022 23:24	2491	640	07.04.2022 23:44	2491	636
07.04.2022 22:46	Y4Off	C_1_2 after discharging off	2492	628	07.04.2022 23:04	2491	633	07.04.2022 23:24	2491	637	07.04.2022 23:44	2491	634
07.04.2022 22:46	Pressure_1	P_1_1 output	2492	1470	07.04.2022 23:04	2491	1576	07.04.2022 23:24	2491	1708	07.04.2022 23:44	2491	1526
07.04.2022 22:46	Pressure_2	P_1_2 output	2492	1510	07.04.2022 23:04	2491	1559	07.04.2022 23:24	2491	1626	07.04.2022 23:44	2491	1542
07.04.2022 22:46	Temperature_1	Pt_1_1	2492	1641	07.04.2022 23:04	2491	1819	07.04.2022 23:24	2491	2029	07.04.2022 23:44	2491	1717
07.04.2022 22:46	Temperature_2	Pt_1_2	2492	1637	07.04.2022 23:04	2491	1820	07.04.2022 23:24	2492	2025	07.04.2022 23:44	2491	1707
ΔTime [s]			300		300		300		300		300		
I_discharging [A]			0,05		0,05		0,05		0,05		0,05		
Total Capacitance [F]			5,222841		5,211953		5,20111		5,193906				

