

Changes that can be identified with the help of the radiosonde serial number

Radiosonde serial number YWWDxxxx = lot number (YWWD) + sequential number (xxxx)  
 For example, the first product manufactured on Tuesday during week 14 in 2017 would be referred to as N1420001

Time of change	Radiosonde model	Short description of the change	Parameter (P/T/U/W)	No data continuity effect	2017 (N)			2018 (P)			2019 (R)			2020 (S)			2021 (T)			2022 (U)			2023 (V)		
					0001-2999	3000-5999	6000-9000	0001-2999	3000-5999	6000-9000	0001-2999	3000-5999	6000-9000	0001-2999	3000-4999	6000-9000	0001-2999	3000-4999	6000-9000	0001-2999	3000-4999	6000-9000	0001-2999	3000-4999	6000-9000
2017-10	RS41	Cover improvement; change of covers from hard plastic to EPS	-	X	Gradually from N335			All RS41-D from P071 All RS41-SG from P111 All RS41-SGM from P111 All RS41-SGP from P121			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
2019-05	RS41	Change of the 2D code location on the sensor boom	-	X							All RS41 models starting from R213			X	X	X	X	X	X	X	X	X	X	X	X
2022-05	RS41	Vaisala BioTwine available as an option for RS41-SG and RS41-SGP	-	X													RS41-SG and RS41-SGP models with applicable configuration code			RS41-SG and RS41-SGP models with applicable configuration code					
2023-09	RS41	Vaisala Radiosonde RS41 E-models available with BioCover and BioTwine	-	X																RS41-SGE and RS41-SGPE models					

Changes that can be identified with the help of the DigiCORA® or MARWIN® sounding software version and/or a user setting

Time of change	Short description of the change	Parameter (P/T/U/W)	No data continuity effect	Vaisala Cirrus® Sounding System MW51	Sounding System MW41	MARWIN® Sounding System MW32
2020-03	Height with RS41-SGP changed to origin from the filtered pressure data	P	None		2.16	
2022-08	Improved U time lag correction	U	None	5.2		
2022-08	Correction for temperature at high descent speed	T, GNSS P	In descent	5.2		
2022-08	Correction for sensor pressure at high descent speed	T	In descent	5.2		
2022-11	Improved descent phase wind filtering	W	In descent	5.3		