

Nibble No.	Name	Bit No.	Bit Name	Function	Value	Description		
1	FC	3	FC_3	identify tx type	1	family code=A for weather data		
			FC_2		0			
			FC_1		1			
			FC_0		0			
2	SC_H	3	SC_7	security code		address high nibble		
			SC_6					
			SC_5					
			SC_4					
3	SC_L	3	SC_3	security code		address low nibble		
			SC_2					
			SC_1					
			SC_0					
4	TMP_H	3	flag1		flag0:flag1	:=1 for error :=0 for normal		
			TMP_10				value in hex	
			TMP_9					
			TMP_8					
5	TMP_M	3	TMP_7	temperature nibble				
			TMP_6					
			TMP_5					
			TMP_4					
6	TMP_L	3	TMP_3	third temperature value				
			TMP_2					
			TMP_1					
			TMP_0					
7	HM_H	3	HM_7	humidity tenth nibble		humidity data in hex		
			HM_6					
			HM_5					
			HM_4					
8	HM_L	3	HM_3	humidity nibble				
			HM_2					
			HM_1					
			HM_0					
9	WSP_H	3	WSP_7			Wind speed data in hex		
			WSP_6					
			WSP_5					
			WSP_4					
10	WSP_L	3	WSP_3					
			WSP_2					
			WSP_1					
			WSP_0					
11	GUST_H	3	GUST_7			Gust data in Hex		
			GUST_6					
			GUST_5					
			GUST_4					
12	GUST_L	3	GUST_3					
			GUST_2					
			GUST_1					
			GUST_0					
13	RAIN_H	3	RAIN_15			rain counter value in hex		
			RAIN_14					
			RAIN_13					
			RAIN_12					
14	RAIN_H	3	RAIN_11					
			RAIN_10					
			RAIN_9					
			RAIN_8					
15	RAIN_M	3	RAIN_7					
			RAIN_6					
			RAIN_5					
			RAIN_4					
16	RAIN_L	3	RAIN_3					
			RAIN_2					
			RAIN_1					
			RAIN_0					
17		3	dir err	=1 dir wrong =0 normal	=0 normal	wind dir error bit		
			fixed to 0				0	
			fixed to 0				0	
18		0	low bat	x	"=1 low;=0 normal;	low batt		
			w_dir_3				=0 to f, see definition table	wind direction(0-F)
			w_dir_2					
w_dir_1								
19	CRC	3	CRC_7			crc checksum value		
			CRC_6					
			CRC_5					
			CRC_4					
20	CRC	3	CRC_3					
			CRC_2					
			CRC_1					
			CRC_0					

Nibble No.	Name	Bit No.	Bit Name	Function	Value	Description		
1	FC	3	FC_3	identify tx type	1	family code=B for time data		
			FC_2		0			
			FC_1		1			
			FC_0		1			
2	SC_H	3	SC_7	security code		security code HMSB		
			SC_6					
			SC_5					
			SC_4					
3	SC_L	3	SC_3	security code		security code LMSB		
			SC_2					
			SC_1					
			SC_0					
4	FLAG	3		=5 for WWVB				
5	HOUR_H	3		10 DST start end		DST Bit 0 DST Bit 1 hour tenth bit 1 hour tenth bit 0		
6	HOUR_L	3						
7	MIN_H	3						
8	MIN_L	3						
9	SEC_H	3						
10	SEC_L	3						
11	Y_H	3						
12	Y_L	3						
13	MONTH_H	3				timer offset timer offset		
			0					
			0					
14	MONTH_L	3				day*100		
15	DAY_H	3				day*10		
16	DAY_L	3				day		
17		3	0	0 fixed to 0	0	fixed value		
			1				1 fixed to 1	1
			0				0 fixed to 0	0
	low bat	0	x	"=1 low, =0 normal	normal	low batt		
			3				0	0
			2				1	1
18		3	0	0	0	fixed value		
			1				0	0
			2				1	1
			3				1	1
19	CRC_H	3	CRC_7					
			CRC_6					
			CRC_5					
			CRC_4					
20	CRC_L	3	CRC_3					
			CRC_2					
			CRC_1					
			CRC_0					

wind direction	0	N
	1	NNE
	2	NE
	3	NEE
	4	E
	5	EES
	6	ES
	7	ESS
	8	S
	9	SSW
	A	SW
	B	SWW
	C	W
	D	WWN
	E	WN
	F	WNN