Table 9. Data Descriptions

Position	Example	Format	Data Type	Description
1	1321	YYYY	Floating point	Reported Y voltage (0-5,000 mV)
2	1210	XXXX	Floating point	Reported X voltage (0-5,000 mV)
3	1.091	R.RRR	Floating point	Ratio of the voltages (y/x)
4	32.1	AAA.A	Floating point	Air temperature (Celsius), secondary, (100.1 signifies an error condition)
5	23.4	BBB.B	Floating point	Surface temperature (Celsius), (100.1 signifies an error condition)
6	3	C	Integer	Displayed condition code number (0-15)[1] [2]
7	3	D	Integer	Measured condition code number (0-15)[1] [2]
8	WET	EEE	Text	Mnemonic for displayed condition[1] [2]
9	WET	FFF	Text	Mnemonic for measured condition[1] [2]
10	7	G	Integer	Displayed friction code number (0-31)[1]
11	7	H	Integer	Measured friction code number (0-31)[1]
12	0.86	I.II	Floating point	Displayed friction code value[1]
13	0.86	J.JJ	Floating point	Measured friction code value[1]
14	0	K	Integer	"dirty lens" value[3] (0-10)
15	FAIR	LLLL	Text	"grip" value (GOOD, FAIR, POOR)
16	32.22	MMM.MM	Floating point	Relative humidity (%)
17	33.55	NNN.NN	Floating point	Air temperature (Celsius), **primary**, (100.1 signifies an error condition)
18	33.55	OOO.OO	Floating point	Air temperature (Celsius), tertiary, (100.1 signifies an error condition)
19	-102	PPP.PP	Floating point	-102 Legacy code, 101 current code, -101 in calibration state

[1.] Measured condition, measured friction code, measured mnemonic, and measured friction are instantaneous values. Displayed condition, displayed friction code, displayed mnemonic, and displayed friction are filtered values.

[2] Condition Codes:

0	UNK	Unknown	
1	DRY	Dry	
2	WT1	Damp	
3	WT2	Wet	
4	SN1	Snow	
5	IC1	Ice	
6	WT3	Standing Water	
7	SN2	Deep Snow	
8	IC2	Black Ice	
9	MAX	Error	
10	ERR	Error	

[3] Note that values of 2, 6 and 8 would indicate lens cleaning is necessary.

0	Not “Soiled” in any way.
1	Within “Soiled” zone, but not for very long.
2	Within “Soiled” zone for long enough to be of concern.
3	Not Used.
4	Received optical signal is low enough that lens could be “Soiled” if condition continues for a long time. Note that a 4 reading is normal in adverse weather conditions.
5	Low enough that lens could be “Soiled”, and also within of “Soiled” zone for a short time.
6	Low enough that lens could be “Soiled”, and also has been inside of “Soiled” polygon long enough to be of concern.
8	Low for long enough that lens should be considered “Soiled”.
9	Low for a long time and also within the “Soiled” zone for a short time.
10	Low for a long time and also within the “Soiled” zone for a long time.