Bad Elf Flex: Point/Track Logs - CSV Specification

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CSV Specification

The Bad Elf Flex is capable of exporting data logs as a lightweight .csv file. The list below contains the field names and definitions for a Bad Elf Flex generated point or track log CSV file.

Field Name	Description
LINE	Auto-incrementing line number starting with 1
DATE_TIME_UTC	Date and time in GMT
LATITUDE	Latitude in decimal degrees
LONGITUDE	Longitude in decimal degrees
ELEVATION_MSL	Elevation value reported by GPS in meters
ELLIPSOID_ELEVATION_M	Ellipsoidal value reported by GPS in meters (does not include pole height or antenna offset)
RECEIVER_GEOID_M	Geoid separation reported by GPS in meters, EGM96
SPEED_KPH	Speed in KPH
COURSE_ANGLE	Heading in decimal degrees
HDOP	Horizontal dilution of precision
VDOP	Vertical dilution of precision
PDOP	Positional dilution of precision
TYPE	Type of GPS fix, 1=none, 2=2d, 3=3d
QUALITY	Quality of GPS fix 0 = invalid 1 = GPS fix (SPS) 2 = DGPS fix 3 = PPS fix 4 = Real-Time Kinematic (RTK) 5 = Float RTK 6 = estimated (dead reckoning)
NST	Number of satellites being tracked
NSV	Number of satellites visible
HRMS	Horizontal RMS accuracy in meters (reported)

VRMS	Vertical RMS accuracy in meters (reported)
3DRMS	3D RMS accuracy in meters (reported)
CORR_TYPE	Correction type, ex. SBAS, RTCM3, L-BAND
CORR_FIX	Correction fix type, ex. FIX, FLOAT
CORR_AGE_SEC	Correction age in seconds
CORR_DISTANCE_KM	Distance to corrections source in KM
DATUM	DATUM in use, RTK_DATUM when in RTK mode
NTRIP_MOUNT	NTRIP mount point in use
ORTHO_MODEL	Orthometric model used for this recording
ORTHO_GEOID_M	Geoid separation in meters
ANTENNA_HEIGHT_M	Antenna height in meters including Bad Elf Flex antenna offset
ORTHO_HEIGHT_M	Calculated orthometric height
POINT_NAME	Point name, auto-generated or defined through the Bad Elf Flex app, empty for tracklogs

Note: Any addtional fields added in the future will be appended to the rightmost column in the .csv and will be annotated here.