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For Franklin voyages 7/93 onwards.

These files contain raw GPS position and direct velocity data from the Ashtech OEM Sensor GPS receiver. Fixes are produced at 1 Hz.

The files are "normal" Unix binary, produced under Solaris 2.3 on a SUN Sparc10.

Each record has 5 4-byte integers: time, lat, long, u, v

time: integer seconds since start of 1970.  
lat: signed integer microdegrees latitude (+ north)  
long: signed integer microdegrees longitude (+ east)  
u: signed integer u-component of velocity, mm/s, + eastward,  
computed by the receiver from Doppler shift of signal.  
v: signed integer v-component of velocity, mm/s, + northward,  
computed by the receiver from Doppler shift of signal.

The \*.gpo files are ascii files of the complete output of the above instrument