

GeoLink 4DL file format

Data structures for C++ language:

```
typedef struct {
    unsigned char id;
    unsigned char date[3];
    unsigned char time[3];

    unsigned short len;
} __attribute__((packed)) gps_log_t;

typedef struct {
    unsigned char sats : 5;
    unsigned short speed : 11;
    short alt;
    int lon, lat;
} __attribute__((packed)) gps_logdata_t;
```

Sample C ++ code:

```
gps_log_t header;

FILE *f = fopen (...);

fread (&header, 1, sizeof (gps_log_t), f);

for (unsigned short i = 0; i < header.len; i ++) {
    gps_logdata_t g;

    fread (&g, 1, sizeof (gps_logdata_t), f);
}

fclose (f);
```