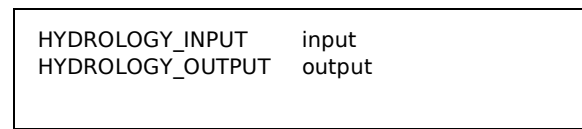
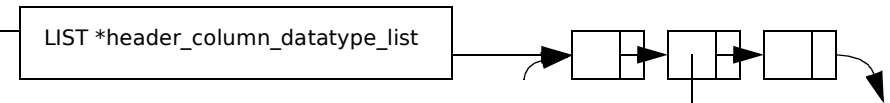


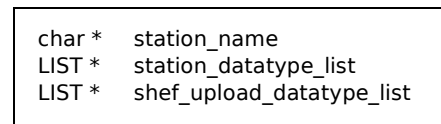
HYDROLOGY



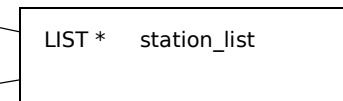
HYDROLOGY_OUTPUT



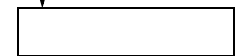
STATION



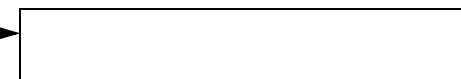
HYDROLOGY_INPUT



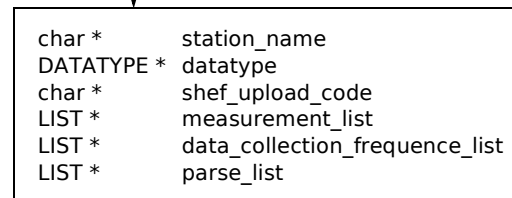
DATATYPE



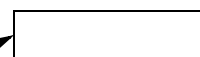
SHEF_UPLOAD_DATATYPE



STATION_DATATYPE



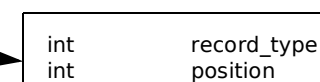
DATATYPE



DATA_COLLECTION_FREQUENCY

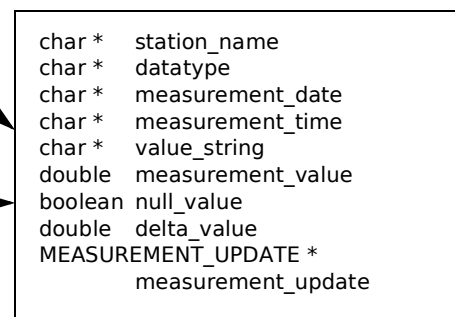


PARSE

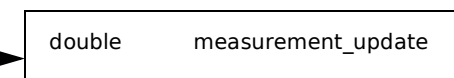


Campbell data loggers

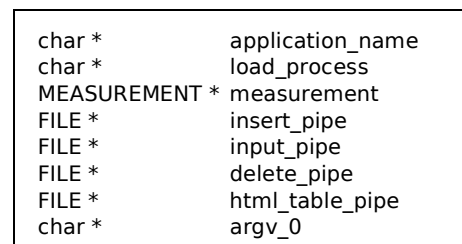
MEASUREMENT

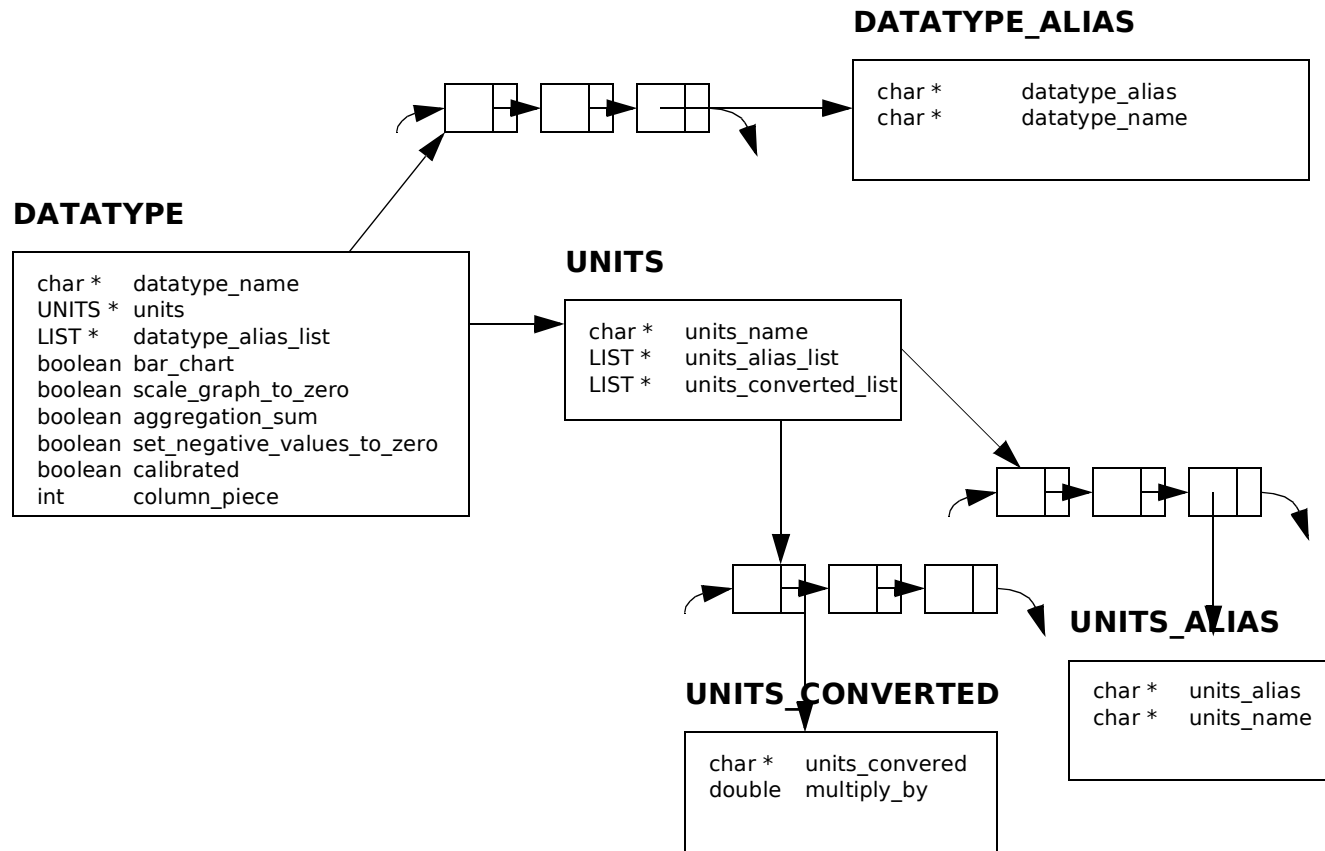


MEASUREMENT_UPDATE

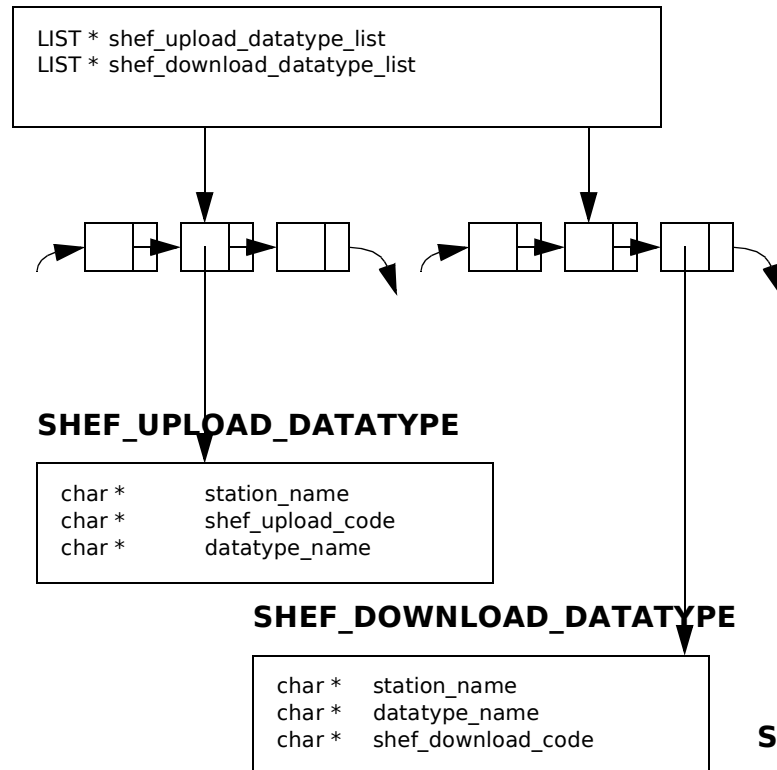


MEASUREMENT_STRUCTURE





SHEF_DATATYPE_CODE



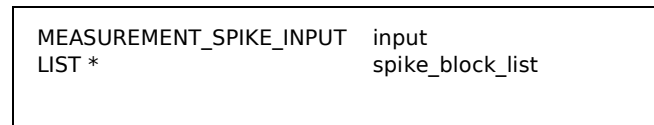
SHEF_UPLOADAggregateMEASUREMENT

```
char * station
char * datatype
char * measurement_date
char * measurement_time
double measurement_value
```

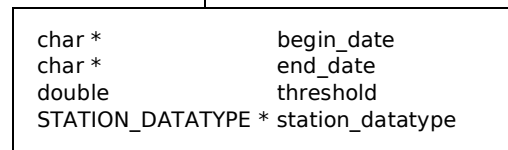
If the last two characters in the shef code are 'MM':

- 1) Trim off the MM
- 2) Generate key=datatype^measurement_date^measurement_hour
- 3) If key in hash table: if (measurement_value < prior.measurement_value) then
datatype = \${datatype}_min
- 4) If key in hash table: if (measurement_value > prior.measurement_value) then
datatype = \${datatype}_max
- 5) Set key to hash table

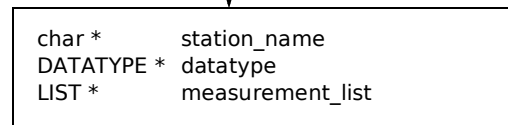
MEASUREMENT_SPIKE



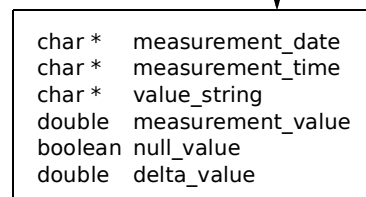
MEASUREMENT_SPIKE_INPUT



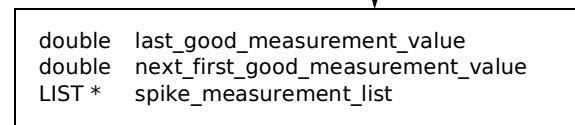
STATION_DATATYPE



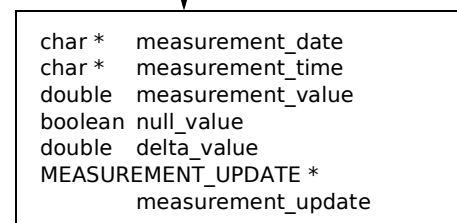
MEASUREMENT



MEASUREMENT_SPIKE_BLOCK



MEASUREMENT



MEASUREMENT_UPDATE

