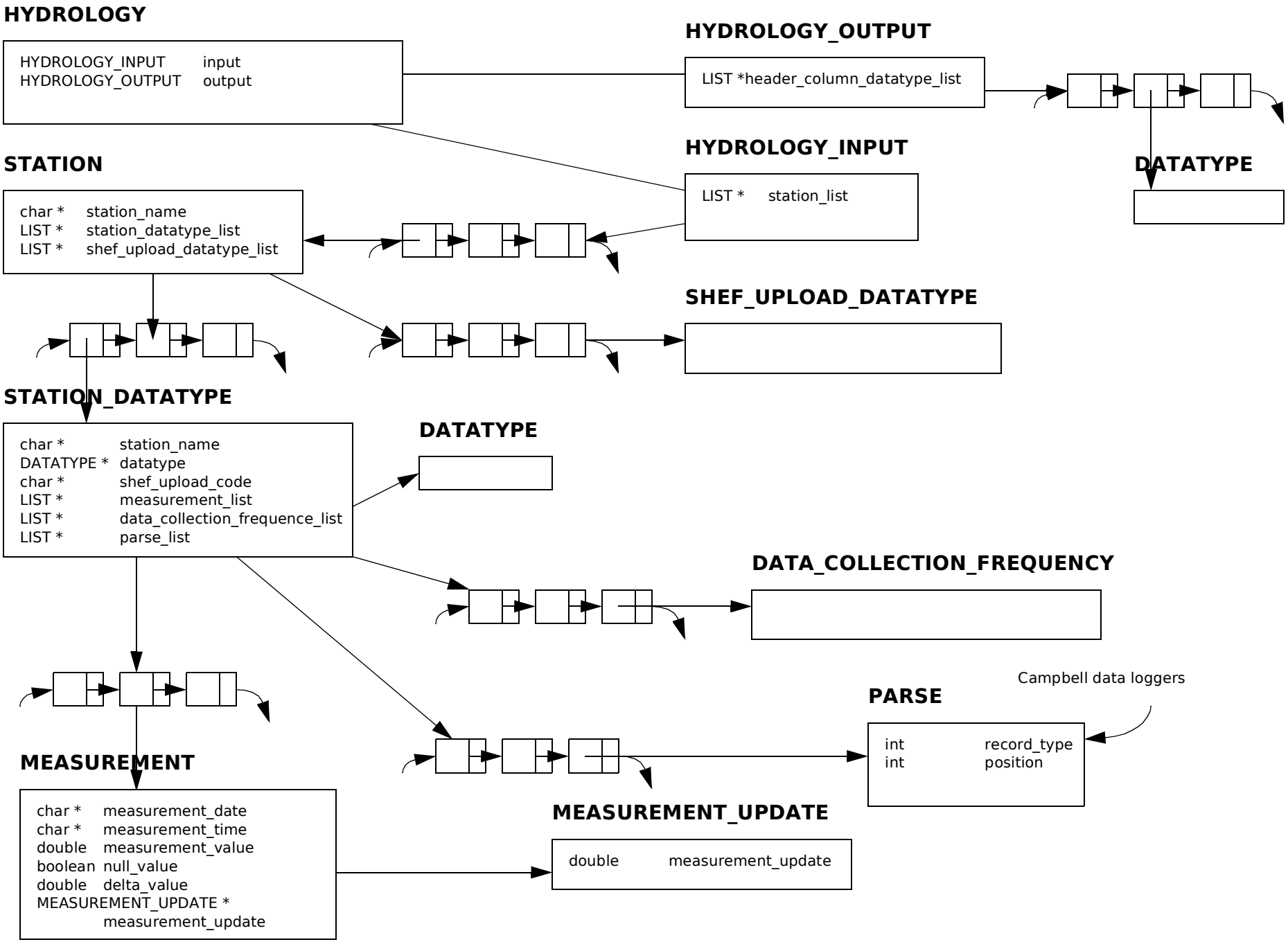
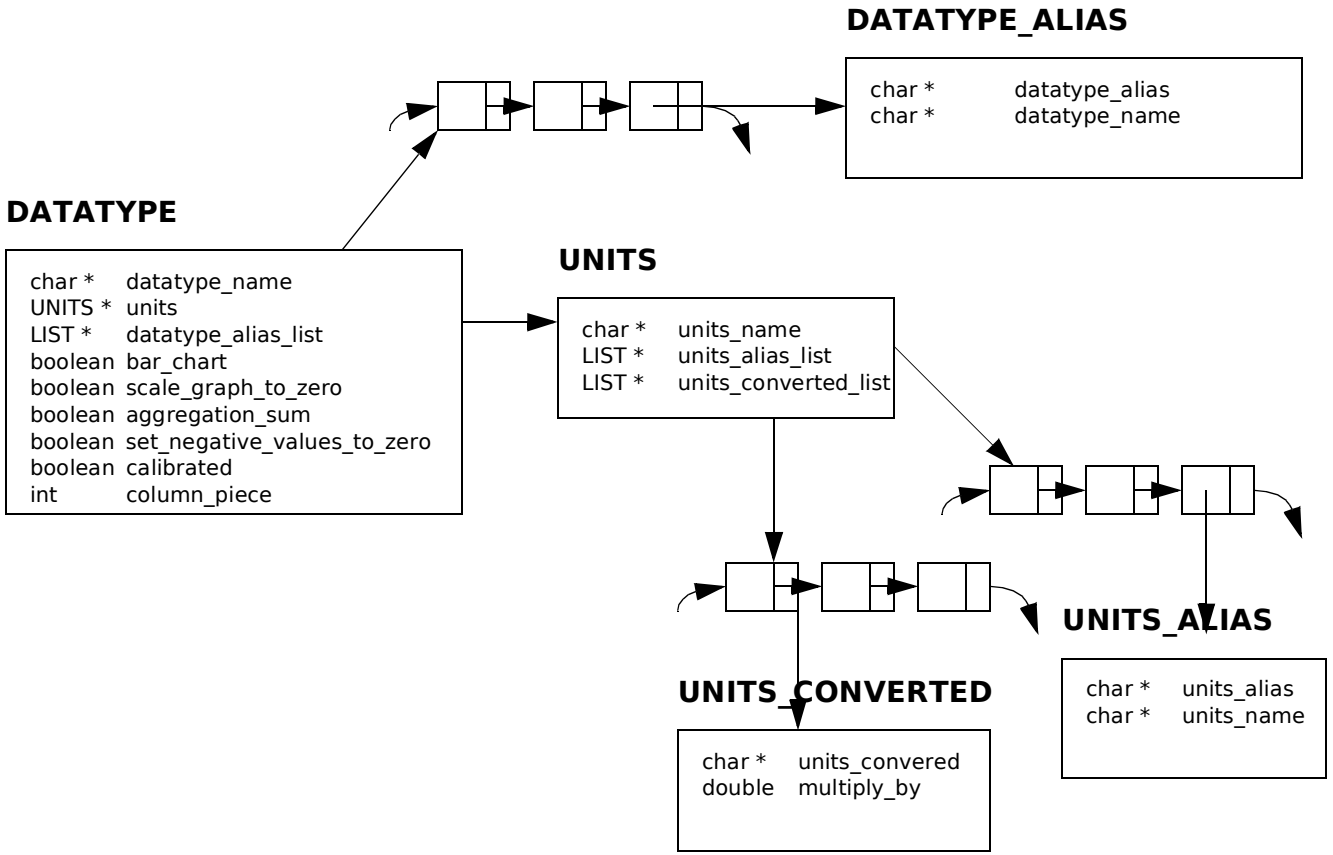
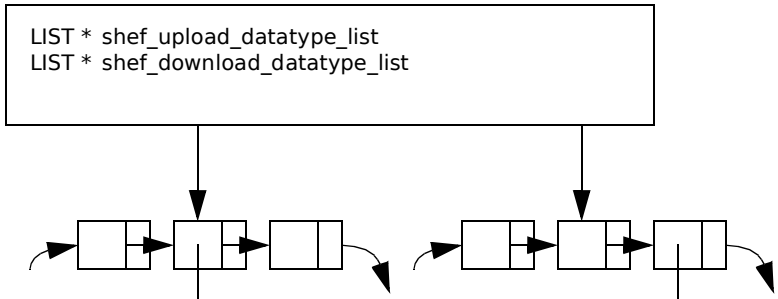
Hydrology Data Structure




DATATYPE_ALIAS
char * datatype_alias
char * datatype_name
DATATYPE
char * datatype_name
UNITS * units
LIST * datatype_alias_list
boolean bar_chart
boolean scale_graph_to_zero
boolean aggregation_sum
boolean set_negative_values_to_zero
boolean calibrated
int column_piece
UNITS
char * units_name
LIST * units_alias_list
LIST * units_converted_list
UNITS_ALIAS
char * units_alias
char * units_name
UNITS_CONVERTED
char * units_convered
double multiply_by

Hydrology Data Structure

SHEF_DATATYPE_CODE



SHEF_UPLOAD_DATATYPE

char *	station_name
char *	shef_upload_code
char *	datatype_name

SHEF_DOWNLOAD_DATATYPE

char *	station_name
char *	datatype_name
char *	shef_download_code

SHEF_UPLOAD_AGGREGATE_MEASUREMENT

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