

## rgobtempAWSmetdata

Table comments: temp table with same structure as rgobAWSmetdata for uploading data

Column	Type	Null	Default	Comments
recno ( <i>Primary</i> )	int(11)	No		
station_id	int(11)	No		
bdate	datetime	No		
tmax	decimal(5,2)	Yes	<i>NULL</i>	
tmin	decimal(5,2)	Yes	<i>NULL</i>	
RHmax	decimal(6,2)	Yes	<i>NULL</i>	
RHmin	decimal(6,2)	Yes	<i>NULL</i>	
PressureMin	decimal(6,2)	Yes	<i>NULL</i>	
PressureMax	decimal(6,2)	Yes	<i>NULL</i>	
WindspeedMax	decimal(5,2)	Yes	<i>NULL</i>	
WindspeedMin	decimal(5,2)	Yes	<i>NULL</i>	
rainfall	decimal(6,2)	Yes	<i>NULL</i>	
solarRad	decimal(7,2)	Yes	<i>NULL</i>	
winddirection	decimal(6,2)	Yes	<i>NULL</i>	

## Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	recno	0	A	No	

## rgobtempmetdata

Table comments: temp table with same structure as rgobAmetdata for upload or join of data

Column	Type	Null	Default	Comments
recno ( <i>Primary</i> )	int(11)	No		
station_id	int(11)	No		
bdate	date	No		
tmax	decimal(5,2)	Yes	<i>NULL</i>	
tmin	decimal(5,2)	Yes	<i>NULL</i>	
RH	int(3)	Yes	<i>NULL</i>	

rainfall	decimal(5,1)	Yes	<i>NULL</i>	
windspeed	decimal(4,1)	Yes	<i>NULL</i>	
winddirection	int(3)	Yes	<i>NULL</i>	
sunshinehrs	decimal(4,1)	Yes	<i>NULL</i>	

## Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	recno	0	A	No	

## rgobuploaddata

Table comments: temp table for upload of rgob data with single observation. Can then be joined to rgobtempmetdata

Column	Type	Null	Default	Comments
recno <i>(Primary)</i>	int(11)	No		
station_id	int(11)	No		
ddate	date	No		data date
obs	decimal(6,2)	Yes	<i>NULL</i>	observation

## Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	recno	0	A	No	

## tblchillhourmodel

Table comments: table where temperatures for chill bands and their values are defined

Column	Type	Null	Default	Comments
model_id <i>(Primary)</i>	int(11)	No		
band	varchar(20)	No		Lower,Middle,Upper
minband	decimal(10,2)	No		min temp for band
maxband	decimal(10,2)	No		max temp for band
bvalue	decimal(10,2)	No		Band value

## Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	model_id	3	A	No	

## tblchillseasons

Table comments: start and end dates for definition of chill seasons

Column	Type	Null	Default	Comments
season_id ( <i>Primary</i> )	int(11)	No		
season	varchar(20)	No		years the season covers
startDate	date	No		beginning November
endDate	date	No		end March

## Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	season_id	26	A	No	

## tblmhvchillhours

Table comments: chill hours by calculated by day for mhv data

Column	Type	Null	Default	Comments
recno ( <i>Primary</i> )	int(11)	No		
station_id	varchar(20)	No		
mdate	date	No		day date
lowbandchillhrs	decimal(10,6)	No		no.of hrs in lower band
midbandchillhrs	decimal(10,6)	No		no.of hrs in mid band
upbandchillhrs	decimal(10,6)	No		no.of hrs in upper band
counthrs	decimal(10,0)	No		no. of hrs with data in day

## Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	recno	11702	A	No	

## tblmhvmetdata

Table comments: data from MH data loggers

Column	Type	Null	Default	Comments
trnid ( <i>Primary</i> )	bigint(20)	No		
station_id	int(11)	No		
mdate	datetime	No		Date and time when the weather info is recorded
celsius	double	No		
humidity	double	No		
dewpoint	double	No		
lastuploadedby	int(11)	No		
lastuploadeddate	datetime	No		
dateonly	date	No		
mband	varchar(20)	No		Chillhour band as defined in tblchillhourmodel
bvalue	decimal(10,2)	No		Band value as defined in tblchillhourmodel
myear	int(11)	No		
mmnth	int(11)	No		

## Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	trnid	753053	A	No	
recordserial	BTREE	Yes	No	station_id	18	A	No	
				mdate	753053	A	No	
				celsius	753053	A	No	
				humidity	753053	A	No	
				dewpoint	753053	A	No	
station_id	BTREE	No	No	station_id	18	A	No	
				mdate	753053	A	No	

## tblmhvseasonchillhrs

Table comments: chill hours summed by season for MHV data

Column	Type	Null	Default	Comments
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recno ( <i>Primary</i> )	int(11)	No		
station_id	int(11)	No		
season	varchar(12)	No		years of season Nov to Mar as defined in tblchillseasons
sumlowchill	int(11)	No		hours in lower chill band
summidchill	int(11)	No		hours in mid chill band
sumupchill	int(11)	No		hours in upper chill band
sumhrs	int(11)	No		total hours with data

## Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	recno	99	A	No	

## tblrgobAWSchillhours

Table comments: chill hours calculated by day for AWS24hr stations

Column	Type	Null	Default	Comments
recno ( <i>Primary</i> )	int(11)	No		
station_id	varchar(20)	No		
bdate	date	No		day date
lowbandchillhrs	decimal(10,6)	No		no. of hrs in lower band
midbandchillhrs	decimal(10,6)	No		no. of hrs in middle band
upbandchillhrs	decimal(10,6)	No		no. of hrs in upper band
counthrs	int(11)	No		no. of hrs with data in day

## Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	recno	2798	A	No	

## tblrgobAWSmetdata

Table comments: rgob data for AWS24hr stations

Column	Type	Null	Default	Comments
recno ( <i>Primary</i> )	int(11)	No		

station_id	int(11)	No		
bdate	datetime	No		
tmax	decimal(5,2)	Yes	<i>NULL</i>	Celsius
tmin	decimal(5,2)	Yes	<i>NULL</i>	Celsius
RHmax	decimal(6,2)	Yes	<i>NULL</i>	%
RHmin	decimal(6,2)	Yes	<i>NULL</i>	%
PressureMax	decimal(6,2)	Yes	<i>NULL</i>	mb
PressureMin	decimal(6,2)	Yes	<i>NULL</i>	mb
WindspeedMax	decimal(5,2)	Yes	<i>NULL</i>	km/hr
WindspeedMin	decimal(5,2)	Yes	<i>NULL</i>	km/hr
rainfall	decimal(6,2)	Yes	<i>NULL</i>	mm
solarRad	decimal(7,2)	Yes	<i>NULL</i>	w/sqr m
winddirection	decimal(6,2)	Yes	<i>NULL</i>	most prevailing

## Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	recno	356686	A	No	

## tblrgobAWSseasonchillhrs

Table comments: chill hours summed by season for AWS24hr data

Column	Type	Null	Default	Comments
recno ( <i>Primary</i> )	int(11)	No		
station_id	int(11)	No		
season	varchar(12)	No		years of season Nov to Mar as defined in tblchillseasons
sumlowchill	int(11)	No		no.of hrs in lower band
summidchill	int(11)	No		no. of hrs in middle band
sumupchill	int(11)	No		no. of hrs in upper band
sumhrs	int(11)	No		total hours with data

## Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	recno	28	A	No	

## tblrgobAmetdata

Table comments: rgob data for Class A and AWS by day

Column	Type	Null	Default	Comments
recno ( <i>Primary</i> )	int(11)	No		
station_id	int(11)	No		
bdate	date	No		
tmax	decimal(5,2)	Yes	NULL	Celsius
tmin	decimal(5,2)	Yes	NULL	Celsius
RH	int(3)	Yes	NULL	%
rainfall	decimal(5,1)	Yes	NULL	mm
windspeed	decimal(4,1)	Yes	NULL	km/hr
winddirection	int(3)	Yes	NULL	
sunshinehrs	decimal(4,1)	Yes	NULL	hrs

### Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	recno	149407	A	No	

## tblrgobchillhours

Table comments: chill hours calculated using "triangle" method (Peter Crees) by day for rgob Class A and AWS data

Column	Type	Null	Default	Comments
recno ( <i>Primary</i> )	int(11)	No		
station_id	varchar(20)	No		
bdate	date	No		day date
lowbandchillhrs	decimal(10,6)	No		calculated no. of hrs in lower band
midbandchillhrs	decimal(10,6)	No		calculated no. of hrs in middle band
upbandchillhrs	decimal(10,6)	No		calculated no. of hrs in upper band
counthrs	int(11)	No		24 hrs as calculated for day

### Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
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Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	recno	60170	A	No	

## tblrgobseasonchillhrs

Table comments: chill hours summed by season for rgob Class A and AWS data

Column	Type	Null	Default	Comments
recno ( <i>Primary</i> )	int(11)	No		
station_id	int(11)	No		
season	varchar(12)	No		years of season Nov to Mar as defined in tblchillseasons
sumlowchill	int(11)	No		calculated no. of hrs in lower band
summidchill	int(11)	No		calculated no. of hrs in middle band
sumupchill	int(11)	No		calculated no. of hrs in upper band
sumhrs	int(11)	No		total hours (days x 24) with data

## Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	recno	291	A	No	

## tblrgobstations

Table comments: Class A, AWS, AWS24hr and Class C stations (Class C data has not been used)

Column	Type	Null	Default	Comments
station_id ( <i>Primary</i> )	int(11)	No		
type	varchar(7)	No		ClassA,ClassC,AWS,AWS24hr
station_name	varchar(20)	No		
latitude	decimal(12,10)	No		
longitude	decimal(12,10)	No		
altitude	double	No		m
year_installation	double	No		

## Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment



Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	station_id	100	A	No	

## tblstation

Table comments: Information of station where MH dataloggers are installed

Column	Type	Null	Default	Comments
station_id ( <i>Primary</i> )	int(11)	No		
dzongkhag	varchar(50)	No		
gewog	varchar(50)	No		
tshowog	varchar(50)	No		
latitude	decimal(38,10)	No		
longitude	decimal(38,10)	No		
altitude	double	No		
contact_person	varchar(50)	No		
contact_no	double	No		
walking_time	double	No		
date_installed	date	No		

## Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	station_id	35	A	No	

## tempdates

Column	Type	Null	Default	Comments
recno ( <i>Primary</i> )	int(11)	No		
daydate	date	No		

## Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	recno	1910	A	No	

# vMaxDailycelsiusMH

Table comments: VIEW

Column	Type	Null	Default	Comments
station_id	int(11)	No		
mdate	date	Yes	NULL	
maxCelsius	double	Yes	NULL	