

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	NULL	
tmin	decimal(5,2)	Yes	NULL	
RHmax	decimal(6,2)	Yes	NULL	
RHmin	decimal(6,2)	Yes	NULL	
PressureMin	decimal(6,2)	Yes	NULL	
PressureMax	decimal(6,2)	Yes	NULL	
WindspeedMax	decimal(5,2)	Yes	NULL	
WindspeedMin	decimal(5,2)	Yes	NULL	
rainfall	decimal(6,2)	Yes	NULL	
solarRad	decimal(7,2)	Yes	NULL	
winddirection	decimal(6,2)	Yes	NULL	

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	NULL	
tmin	decimal(5,2)	Yes	NULL	
RH	int(3)	Yes	NULL	
rainfall	decimal(5,1)	Yes	NULL	
windspeed	decimal(4,1)	Yes	NULL	
winddirection	int(3)	Yes	NULL	
sunshinehrs	decimal(4,1)	Yes	NULL	

Indexname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
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	NULL	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		

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
season	varchar(20)	No				A	No	
startDate	date	No					No	beginning November
endDate	date	No					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	11207	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		
lastuploadddate	datetime	No		
dateonly	date	No		
mband	varchar(20)	No		Chillhour band as defined in tblchillhourmodel

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
myear	int(11)	No						
mmnth	int(11)	No						

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	trnid	754210	A	No	
recordserial	BTREE	Yes	No	station_id	18	A	No	
				mdate	754210	A	No	
				celsius	754210	A	No	
				humidity	754210	A	No	
				dewpoint	754210	A	No	
station_id	BTREE	No	No	station_id	18	A	No	
				mdate	754210	A	No	

tblmhvseasonchillhrs

Table comments: chill hours summed by season for MHV 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		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

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
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	2396	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	NULL	Celsius
tmin	decimal(5,2)	Yes	NULL	Celsius
RHmax	decimal(6,2)	Yes	NULL	%
RHmin	decimal(6,2)	Yes	NULL	%
PressureMax	decimal(6,2)	Yes	NULL	mb
PressureMin	decimal(6,2)	Yes	NULL	mb
WindspeedMax	decimal(5,2)	Yes	NULL	km/hr
WindspeedMin	decimal(5,2)	Yes	NULL	km/hr
rainfall	decimal(6,2)	Yes	NULL	mm
solarRad	decimal(7,2)	Yes	NULL	w/sqr m
winddirection	decimal(6,2)	Yes	NULL	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		

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
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	156427	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

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
tblrgobchillhrs	decimal(10,6)	No	No	recno	60333	A	No	
tblrgobchillhrs	decimal(10,6)	No	No	station_id	291	A	No	
tblrgobchillhrs	decimal(10,6)	No	No	season	3	A	No	
tblrgobchillhrs	decimal(10,6)	No	No	sumlowchill	60333	A	No	
tblrgobchillhrs	decimal(10,6)	No	No	summidchill	60333	A	No	
tblrgobchillhrs	decimal(10,6)	No	No	sumupchill	60333	A	No	
tblrgobchillhrs	decimal(10,6)	No	No	sumhrs	60333	A	No	

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	recno	60333	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
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	

temppdates

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	