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\*\* AERMOD Input Produced by:

\*\* SCAIL-AGRICULTURE V1.0.0

\*\* 25/05/2012

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\*\* AERMOD Control Pathway

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CO STARTING

TITLEONE SCAIL-AGRICULTURE TEST CASE

MODELOPT CONC FLAT NOSTD

AVERTIME 1 24 PERIOD

POLLUTID GENERIC

RUNORNOT RUN

CO FINISHED

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\*\* AERMOD Source Pathway

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SO STARTING

\*\* Source ID - Type - X Coord. - Y Coord. \*\*

LOCATION SSTK01 VOLUME 497054 495008 0.0

LOCATION NSTK01 VOLUME 497054 495008 0.0

LOCATION OSTK01 VOLUME 497054 495008 0.0

\*\* Source Parameters <<<<emission rate (in g/s), height, temp and velocity data from interface>>>> \*\*

\*\* NAME g/s Height Temp Velocity Dia

SRCPARAM SSTK01 9.957e-03 2 3.2932236176071 0.930232558139535

SRCPARAM NSTK01 2.146e-01 2 3.2932236176071 0.930232558139535

SRCPARAM OSTK01 1.898e-01 2 3.2932236176071 0.930232558139535

\*\* Grouping of stacks into sources (group name, stacks in group) based on sources from interface

SRCGROUP SALL SSTK01

SRCGROUP NALL NSTK01

SRCGROUP OALL OSTK01

SRCGROUP SGRP0 SSTK01

SRCGROUP NGRP0 NSTK01

SRCGROUP OGRP0 OSTK01

SO FINISHED

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\*\* AERMOD Receptor Pathway

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RE STARTING

\*\* Habitat location input from interface

DISCCART 499754 495008  
DISCCART 500905 495008  
DISCCART 500905 495008  
DISCCART 500909 495008  
DISCCART 501195 495008  
DISCCART 501371 495008  
DISCCART 501396 495008  
DISCCART 501554 495008  
DISCCART 501822 495008  
DISCCART 502105 495008  
DISCCART 502106 495008  
DISCCART 503489 495008  
DISCCART 503775 495008  
DISCCART 504041 495008  
DISCCART 505720 495008  
DISCCART 506514 495008  
DISCCART 506644 495008  
DISCCART 506834 495008  
DISCCART 507019 495008

RE FINISHED

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\*\* AERMOD Meteorology Pathway

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ME STARTING

\*\* Filename for met file (either based on location information or directly input from interface)

SURFFILE CHUR.SFC  
PROFFILE CHUR.PFL

\*\* Defaults

SURFDATA 7050 2005  
UAIRDATA 0 2005  
PROFBASE 0 METERS

ME FINISHED

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\*\* AERMOD Output Pathway

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OU STARTING

RECTABLE 1 176  
RECTABLE 24 36  
RECTABLE 24 8

\*\* Output files by source grouping

\*\* PLOTFILE PERIOD ALL testcase\_allsources.PLT

PLOTFILE PERIOD SALL res\_sall.txt  
PLOTFILE PERIOD NALL res\_nall.txt  
PLOTFILE 1 OALL 176 res\_oall.txt  
PLOTFILE PERIOD SGRP0 res\_sgrp0.txt  
PLOTFILE PERIOD NGRP0 res\_ngrp0.txt  
PLOTFILE 1 OGRP0 176 res\_ogrp0.txt  
OU FINISHED

\*\*NOTES

\*\*PROJNOTES

\*\*REGION England

\*\*RADIUS 10

\*\*RUNMODE Conservative

\*\*DWDIR Average

\*\*ALTEREDREF

\*\*METNAME CHUR

\*\*LOCATION 1,1,Castlebeck & Scar Woods,495092.6\_496864.6,Habitat,2927,2701,SSSI,HAB

\*\*LOCATION 2,2,North York Moors,494659.3\_498024.1,Habitat,UK0030228,3851,SAC,HAB

\*\*LOCATION 3,3,North York Moors,494662.3\_498026.7,Habitat,4003,3851,SSSI,HAB

\*\*LOCATION 4,4,North York Moors,494663.9\_498032.7,Habitat,UK9006161,3855,SPA,HAB

\*\*LOCATION 5,5,Harwood Dale Moor,496111.4\_499040.3,Habitat,2890,4141,SSSI,HAB

\*\*LOCATION 6,6,Hayburn Wyke,500840.3\_497082.5,Habitat,3165,4317,SSSI,HAB

\*\*LOCATION 7,7,Hackness Rock Pit,496525.4\_490697.6,Habitat,3285,4343,SSSI,HAB

\*\*LOCATION 8,8,Hackness Head Quarry,496408.6\_490554.4,Habitat,3158,4500,SSSI,HAB

\*\*LOCATION 9,9,Iron Scar & Hundale Point To Scalby

Ness,501601\_496445.3,Habitat,3168,4769,SSSI,HAB

\*\*LOCATION 10,10,Beast Cliff - Whitby (Robin Hood`s  
Bay),500431.1\_498764.1,Habitat,UK0030086,5051,SAC,HAB

\*\*LOCATION 11,11,Robin Hoods Bay: Maw Wyke To Beast  
Cliff,500357.6\_498830.5,Habitat,3814,5052,SSSI,HAB

\*\*LOCATION 12,12,Cockrah Wood,496635.3\_488586.6,Habitat,3146,6435,SSSI,HAB

\*\*LOCATION 13,13,Biller Howe Dale,492590.7\_500033.8,Habitat,3310,6722,SSSI,HAB

\*\*LOCATION 14,14,Raincliffe & Forge Valley  
Woods,499559.1\_488485.5,Habitat,3175,6987,SSSI,HAB

\*\*LOCATION 15,15,Spikers Hill Quarry,498076\_486402.4,Habitat,2935,8666,SSSI,HAB

\*\*LOCATION 16,16,North Bay To South Toll House  
Cliff,504614.7\_489321.3,Habitat,3193,9461,SSSI,HAB

\*\*LOCATION 17,17,Troutsdale & Rosekirk Dale  
Fens,490467.4\_488037.7,Habitat,3200,9590,SSSI,HAB

\*\*LOCATION 18,18,Betton Farm Quarries,500173.5\_485737.8,Habitat,3134,9781,SSSI,HAB

\*\*LOCATION 19,19,Bride Stones,487698.5\_491574.5,Habitat,3140,9966,SSSI,HAB

\*\*SOURCE 1,EXISTING CALVING YARD,497054\_495008,OGRP0,SGRP0,NGRP0

\*\*STACK 1,1,EXISTING CALVING YARD,cattle,Existing,EXISTING CALVING  
YARD,497054\_495008,Housing,4,Select,,,Dairy cows,Straw-bedded farmyard manure loose  
housing,20,200.53,314,,6767,,5985540100,,,true,,365