



**Statistics for  
OS MasterMap Address Layer 2  
National Load**

**GO Loader v1.6**

**Snowflake Software  
Alleyn House  
23-27 Carlton Crescent  
Southampton  
SO15 2EU**

## Table of Contents

<b>OS MASTERMAP ADDRESS LAYER 2 NATIONAL LOAD STATISTICS .....</b>	<b>3</b>
1.1 GO LOADER PROJECT .....	3
1.2 SIZINGS .....	3
1.2.1 <i>Data Tablespace Sizes after Initial Load</i> .....	3
1.2.2 <i>Contents after Initial Load</i> .....	3
1.2.3 <i>Index Tablespace Sizes</i> .....	3
<b>2 PERFORMANCE STATISTICS.....</b>	<b>4</b>
2.1 TEST ARCHITECTURE.....	4
2.1.1 <i>Hardware Specification</i> .....	4
2.1.2 <i>Database Version</i> .....	4
2.2 DATA LOAD .....	4
2.2.1 <i>Initial Data Load – Single GOloader</i> .....	4
2.2.2 <i>Initial Data Load – Dual GOloader</i> .....	4
2.2.3 <i>Removing Duplicate Features</i> .....	5
2.2.4 <i>Creating Indices</i> .....	5
2.3 PERFORMANCE SUMMARY .....	5
<b>3 FURTHER CONTACT .....</b>	<b>5</b>

## OS MasterMap Address Layer 2 National load Statistics

The document specifies the load and sizing statistics for loading National Coverage OS MasterMap Address Layer 2 layer into Oracle Spatial using GO Loader Enterprise Edition v1.6

### 1.1 GO Loader Project

GO Loader Model: OS MasterMap AddressLayer2 v7 Typical

A denormalised model for loading AddressPoint data and most attributes of OS MasterMap AddressLayer2.

### 1.2 Sizings

This section details the sizing of the Oracle database in terms of disk partition sizes. Irrelevant of hardware architecture these sizing are the identical when the load is performed on the same operating system with the same GO Loader project

#### 1.2.1 Data Tablespace Sizes after Initial Load

Data	File Size
OSMM_AL2_DATA.DBF	
<b>Total Disk Size (after initial load)</b>	<b>22.3 GB</b>

#### 1.2.2 Contents after Initial Load

Table	Rows
ADDRESSPOINT	
<b>TOTAL</b>	<b>29,548,028</b>

#### 1.2.3 Index Tablespace Sizes

Data	File Size
INDX_FD.DBF	
<b>Total Index Size (after duplicate removal)</b>	<b>11.8 GB</b>

## 2 Performance Statistics

This section details performance statistics for the GO Loader project as detailed above.

### 2.1 Test Architecture

By no means is it recommended production hardware and should only be used within a development or test environment. On this architecture both Oracle and GO Loader Agent are running on the same machine. This is not ideal as both GO Loader and Oracle compete against each other for processor time and as a result initial load times are slowed by 10%-20%

#### 2.1.1 Hardware Specification

Machine: DELL Precision T3400

Processor(s): Intel(R) Core(TM)2 Quad CPU Q6600 @ 2.40 GHz

Desktop PC

Installed Memory: 4 GB RAM

Operating System: Microsoft Vista Service Pack 1 (32-bit operating system)

#### 2.1.2 Database Version

Oracle 10g Release 2 Enterprise Edition version 10.2.0.3.0

## 2.2 Data Load

### 2.2.1 Initial Data Load – Single GOLOADER

Number of files: 10304

Total Features parsed in all file(s): 29,548,028

Source size: 2,459,075 Kb

Rate processed: 75Kb/s, 904 f/s

Elapsed time: **9 hrs 4 mins 52 secs**

### 2.2.2 Initial Data Load – Dual GOLOADER

Tiles: sd,se,sh,sj,sk,sm,sn,so,sp,sr,ss,st,su,sv,sw,sx,sy,sz

Number of files: 4315

Total Features parsed in all file(s): 16,343,865

Source size: 1,393,948Kb

Rate processed: 75Kb/s, 882 f/s

Elapsed time: **5 hrs 8 mins 40 secs**

Tiles: hp,ht,hu,hw,hy,hz,na,nb,nc,nd,nf,ng,nh,nj,nk,nl,nm,nn,  
no,nr,ns,nt,nu,nw,nx,ny,nz,ta,tf,tg,tl,tm,tq,tr,tv

Number of files: 5989

Total Features parsed in all file(s): 13,213,619

Source size: 1,065,127Kb

Rate processed: 73Kb/s, 917 f/s

Elapsed time: **3 hrs 59 mins 55 secs**

### 2.2.3 Removing Duplicate Features

No duplicate removal is required as this the Address Layer 2 contains point data and features do not occur in multiple geographically chunked data files.

**All commands elapsed time = N/A**

### 2.2.4 Creating Indices

Finished MM\_ADDRPNT\_IPK, elapsed time=13 mins 29 secs

Finished MM\_ADDRLAYER\_IFD, elapsed time=8 mins 28 secs

Finished MM\_ADDRLAYER\_IRF, elapsed time=4 mins 9 secs

Finished MM\_ADDRLAYE1\_IRF, elapsed time=3 mins 46 secs

Finished MM\_ADDRLAYE3\_IRF, elapsed time=7 mins 35 secs

Finished MM\_ADDRLAYE2\_IRF, elapsed time=7 mins 41 secs

Finished MM\_ADDRLAYE4\_IRF, elapsed time=3 mins 45 secs

Finished MM\_ADDRLAYE5\_IRF, elapsed time=7 mins 10 secs

Finished ADDRPTNT\_CHGH\_IFK, elapsed time=30 mins 20 secs

Finished MM\_ADDRLAYER\_IXS, elapsed time=1 hrs 26 mins 12 secs

**All commands elapsed time = 2 hrs 52 mins 38 secs**

## 2.3 Performance Summary

Number of features: 29,548,028

Source size: 2,459,075 Kb

Rate processed: 75Kb/s, 904 f/s

Initial Load: 9 hrs 4 mins 52 secs

Index Build: 2 hrs 52 mins 38 secs

Duplicate Removal: N/A

**Total Time: 11 hrs 57min 30sec**

## 3 Further Contact

For further details regarding these statistics or for more information on GO Loader please visit the GO Loader homepage:

<http://www.snowflakesoftware.com/products/goloader/index.htm>

Or alternatively email: [support@snowflakesoftware.com](mailto:support@snowflakesoftware.com)