

# HOW TO SYNCHRONIZE A BIG GAP ON THE STANDBY DATABASE WHEN THE REQUIRED ARCHIVED LOGS ARE LOST

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# HOW TO SYNCHRONIZE A BIG GAP ON THE STANDBY DATABASE WHEN THE REQUIRED ARCHIVED LOGS ARE LOST

## Summary

Case Description: A batch was run on the primary database, the archive log destination filled up on both the primary and standby servers. All archived logs were removed from primary database and the batch continued, the standby having its destination full was not able to continue updating; from time to time archived logs were cleared on the primary site to avoid the batch stopping. When the batch was finished to review why the standby was not on synch.

The standby had lagged far behind the primary, many required archived logs to close the gap were removed and no backup of them was available.

In order to close the gap I did create an incremental backup that will contain all transactions since the last scn recorded on the standby database. Using this technique is convenient if the total amount of transactions that make the gap is less than the database size.

## *Action Items*

In order to avoid this problem to happen in the future I did setup the following action items

- Setup script for daily backup and cleanup of the recovery area
- Setup job to check for archivelog destination free space and executing the backup and cleanup script if required before the scheduled run.

## Implementation Steps

### *Cancel Recovery on Standby*

```
SQL> alter database recover managed standby database cancel;
```

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### ***Primary Status***

```
SQL> archive log list
Database log mode           Archive Mode
Automatic archival         Enabled
Archive destination         Z:\oracle\oradata\SATI\archive
Oldest online log sequence 1056
Next log sequence to archive 1058
Current log sequence        1058
```

### ***Trying to recover the standby***

```
SQL> recover standby database;
ORA-00279: change 4146871739 generated at 12/31/2008 11:39:03 needed for thread 1
ORA-00289: suggestion : Z:\ORACLE\ORADATA\SATI\ARCHIVE\1_205_674755717.ARC
ORA-00280: change 4146871739 for thread 1 is in sequence #205
```

### ***Check Standby Database current\_scn***

```
SQL> select current_scn from v$database;
```

```
CURRENT_SCN
-----
4146871738
```

### ***Create a Primary Database Incremental Backup from this SCN***

```
Z:\backup>rman target sys/SATI@SATI
```

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Recovery Manager: Release 10.2.0.4.0 - Production on Wed Jan 7 10:40:11 2009

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connected to target database: SATI (DBID=1342263826)

```
RMAN> RUN {  
ALLOCATE CHANNEL C1 TYPE DISK FORMAT 'Z:\BACKUP\FOR_STANDBY_%U';  
ALLOCATE CHANNEL C2 TYPE DISK FORMAT 'Z:\BACKUP\FOR_STANDBY_%U';  
ALLOCATE CHANNEL C3 TYPE DISK FORMAT 'Z:\BACKUP\FOR_STANDBY_%U';  
ALLOCATE CHANNEL C4 TYPE DISK FORMAT 'Z:\BACKUP\FOR_STANDBY_%U';  
backup incremental from scn 4146871738 database tag 'FORSTANDBY';  
RELEASE CHANNEL C1;  
RELEASE CHANNEL C2;  
RELEASE CHANNEL C3;  
RELEASE CHANNEL C4;  
}
```

### ***Backup the Primary Database Controlfile for 'Standby'***

```
RMAN> backup current controlfile for standby format 'Z:\BACKUP\FORSTDBYCTRL.bck';
```

```
Starting backup at 07-JAN-09  
allocated channel: ORA_DISK_1  
channel ORA_DISK_1: sid=451 devtype=DISK  
channel ORA_DISK_1: starting full datafile backupset  
channel ORA_DISK_1: specifying datafile(s) in backupset  
including standby control file in backupset  
channel ORA_DISK_1: starting piece 1 at 07-JAN-09
```

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```
channel ORA_DISK_1: finished piece 1 at 07-JAN-09
piece handle=Z:\BACKUP\FORSTDBYCTRL.BCK tag=TAG20090107T131019 comment=NONE
channel ORA_DISK_1: backup set complete, elapsed timX: 00:00:02
Finished backup at 07-JAN-09
```

```
Starting Control File and SPFILE Autobackup at 07-JAN-09
piece handle=Z:\ORACLE_BACKUP\SATI\RMAN\DB\SATI_CONTROL_SATIXXX_C-1342263826-20090107-00
comment=NONE
Finished Control File and SPFILE Autobackup at 07-JAN-09
```

### ***Transfer The Incremental Backup Sets to the Standby Server***

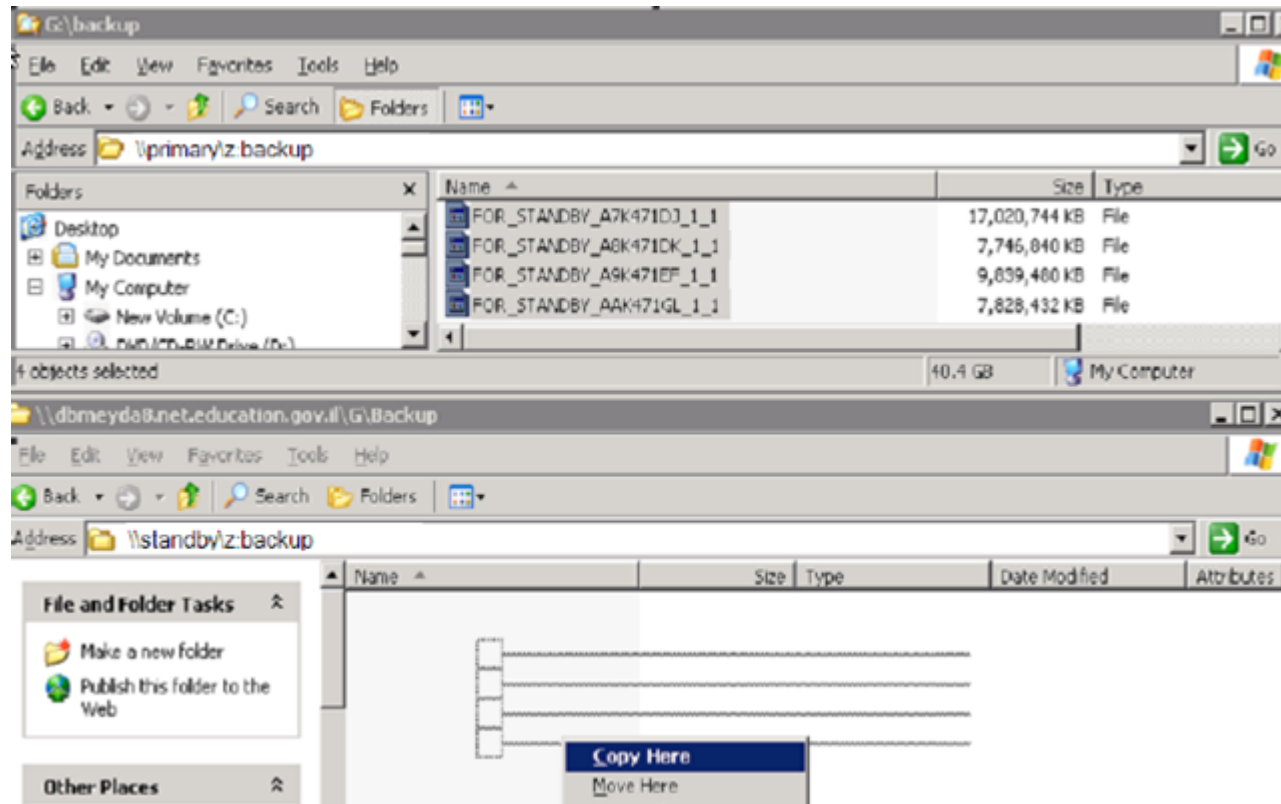
In this case I did open a window from the standby server and copied over the backupsets

```
Z:\backup>dir
Volume in drive Z is New Volume
Volume Serial Number is 24DC-90F9

Directory of Z:\backup

01/07/2009  10:48 AM    <DIR>          .
01/07/2009  10:48 AM    <DIR>          ..
01/07/2009  11:08 AM    17,429,241,856 FOR_STANDBY_A7K471DJ_1_1
01/07/2009  11:06 AM    7,932,764,160 FOR_STANDBY_A8K471DK_1_1
01/07/2009  11:02 AM    10,075,627,520 FOR_STANDBY_A9K471EF_1_1
01/07/2009  11:05 AM    8,016,314,368 FOR_STANDBY_AAK471GL_1_1
           4 File(s) 43,453,947,904 bytes
           2 Dir(s) 55,642,415,104 bytes free
```

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### *Restore controlfile on the Standby*

```
RMAN> RESTORE STANDBY CONTROLFILE FROM 'Z:\BACKUP\FORSTDBYCTRL.BCK';
```

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## HOW TO SYNCHRONYZE A BIG GAP ON THE STANDBY DATABASE WHEN THE REQUIRED ARCHIVED LOGS ARE LOST

```
Starting restore at 07-JAN-09
allocated channel: ORA_DISK_1
channel ORA_DISK_1: sid=483 devtype=DISK

channel ORA_DISK_1: restoring control file
channel ORA_DISK_1: restore complete, elapsed timX: 00:00:02
output filename=X:\ORACLE\ORADATA\SATI\CONTROL01.CTL
output filename=Y:\ORACLE\ORADATA\SATI\CONTROL02.CTL
output filename=Z:\ORACLE\ORADATA\SATI\CONTROL03.CTL
Finished restore at 07-JAN-09
```

### ***Catalog the Incremental Backups on The Standby Server***

Note that for the catalog command to succeed you will need to move the backups to be within the Flash Recovery Area.

```
RMAN> catalog start with 'Z:\FRA\SATISTD\BACKUPSET';
```

```
searching for all files that match the pattern Z:\FRA\SATISTD\BACKUPSET
```

```
List of Files Unknown to the Database
```

```
=====
```

```
File Name: Z:\FRA\SATISTD\BACKUPSET\FOR_STANDBY_A7K471DJ_1_1
```

```
File Name: Z:\FRA\SATISTD\BACKUPSET\FOR_STANDBY_A8K471DK_1_1
```

```
File Name: Z:\FRA\SATISTD\BACKUPSET\FOR_STANDBY_A9K471EF_1_1
```

```
File Name: Z:\FRA\SATISTD\BACKUPSET\FOR_STANDBY_AAK471GL_1_1
```

```
Do you really want to catalog the above files (enter YES or NO)? yes
```

```
cataloging files...
```

```
cataloging done
```

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List of Cataloged Files

=====

File Name: Z:\FRA\SATISTD\BACKUPSET\FOR\_STANDBY\_A7K471DJ\_1\_1

File Name: Z:\FRA\SATISTD\BACKUPSET\FOR\_STANDBY\_A8K471DK\_1\_1

File Name: Z:\FRA\SATISTD\BACKUPSET\FOR\_STANDBY\_A9K471EF\_1\_1

File Name: Z:\FRA\SATISTD\BACKUPSET\FOR\_STANDBY\_AAK471GL\_1\_1

### ***Recover the Database and Cleanup Redologs***

```
RMAN> recover database noredo;
```

```
...
```

```
...
```

```
SQL> alter database flashback off;
```

Database altered.

```
SQL> alter database flashback on;
```

Database altered.

```
SQL> alter database recover managed standby database disconnect from session;
```

Database altered.

If more archived logs were created on the primary since the finish of the SCN based incremental backup then you can copy them over and recover the standby database using the command : "recover standby database;"

## HOW TO SYNCHRONIZE A BIG GAP ON THE STANDBY DATABASE WHEN THE REQUIRED ARCHIVED LOGS ARE LOST

### ***Enable the broker at both sites and check***

When enabling the broker again it will take over the responsibility of managing the site and will resynchronize both sites

```
SQL> alter system set dg_broker_start=true scope=both;
```

```
System altered.
```

```
SQL> @chkstat
```

```
DB_UNIQUE_NAME  DATABASE_ROLE    OPEN_MODE  FS_FAILOVER_STATUS
FS_FAILOVER_CURRENT_TARGET
```

```
-----
-----
SATI             PRIMARY          READ WRITE SYNCHRONIZED          SATIstdby
```

```
SQL> archive log list
```

```
Database log mode           Archive Mode
Automatic archival          Enabled
Archive destination         Z:\oracle\oradata\SATI\archive
Oldest online log sequence  1066
Next log sequence to archive 1068
Current log sequence        1068
```

```
SQL> @chkstat
```

```
DB_UNIQUE_NAME  DATABASE_ROLE    OPEN_MODE  FS_FAILOVER_STATUS
FS_FAILOVER_CURRENT_TARGET
```



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## Reference

[http://download.oracle.com/docs/cd/B19306\\_01/server.102/b14239/scenarios.htm#CIHEGFEG](http://download.oracle.com/docs/cd/B19306_01/server.102/b14239/scenarios.htm#CIHEGFEG)

## ***Backup Output***

```
Z:\backup>rman target sys/SATI@SATI
```

```
Recovery Manager: Release 10.2.0.4.0 - Production on Wed Jan 7 10:40:11 2009
```

```
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```

```
connected to target databaseX: SATI (DBID=1342263826)
```

```
RMAN> RUN {  
2> ALLOCATE CHANNEL C1 TYPE DISK FORMAT 'Z:\BACKUP\FOR_STANDBY_%U';  
3> ALLOCATE CHANNEL C2 TYPE DISK FORMAT 'Z:\BACKUP\FOR_STANDBY_%U';  
4> ALLOCATE CHANNEL C3 TYPE DISK FORMAT 'Z:\BACKUP\FOR_STANDBY_%U';  
5> ALLOCATE CHANNEL C4 TYPE DISK FORMAT 'Z:\BACKUP\FOR_STANDBY_%U';  
6> backup incremental from scn 4146871738 database tag 'FORSTANDBY';  
7> RELEASE CHANNEL C1;  
8> RELEASE CHANNEL C2;  
9> RELEASE CHANNEL C3;  
10> RELEASE CHANNEL C4;  
11> }
```

```
using target database control file instead of recovery catalog
```

```
allocated channel: C1
```

```
channel C1: sid=451 devtype=DISK
```

```
allocated channel: C2
```

```
channel C2: sid=454 devtype=DISK
```

```
allocated channel: C3
```

```
channel C3: sid=453 devtype=DISK
```

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## HOW TO SYNCHRONYZE A BIG GAP ON THE STANDBY DATABASE WHEN THE REQUIRED ARCHIVED LOGS ARE LOST

```
allocated channel: C4  
channel C4: sid=450 devtype=DISK
```

```
Starting backup at 07-JAN-09  
channel C1: starting full datafile backupset  
channel C1: specifying datafile(s) in backupset  
input datafile fno=00002 name=X:\ORACLE\ORADATA\SATI\UNDOTBS01.DBF  
input datafile fno=00061 name=X:\ORACLE\ORADATA\SATI\QC_DATA_2002_Q1_TBS.DBF  
input datafile fno=00215 name=X:\ORACLE\ORADATA\SATI\QC_INDEX_2008_Q2_TBS.DBF  
input datafile fno=00165 name=X:\ORACLE\ORADATA\SATI\QC_INDEX_2005_Q4_TBS.DBF  
input datafile fno=00184 name=X:\ORACLE\ORADATA\SATI\QC_DATA_2007_Q1_TBS.DBF  
input datafile fno=00034 name=Y:\ORACLE\ORADATA\SATI\QC_INDEX_2000_Q3_TBS.DBF  
input datafile fno=00172 name=X:\ORACLE\ORADATA\SATI\QC_DATA_2006_Q2_TBS.DBF  
input datafile fno=00201 name=X:\ORACLE\ORADATA\SATI\OTW_INDEX_2007_Q4_TBS.DBF  
input datafile fno=00208 name=X:\ORACLE\ORADATA\SATI\OTW_DATA_2008_Q3_TBS.DBF  
input datafile fno=00164 name=X:\ORACLE\ORADATA\SATI\QC_DATA_2005_Q4_TBS.DBF  
input datafile fno=00058 name=X:\ORACLE\ORADATA\SATI\QC_DATA_2002_Q4_TBS.ORA  
input datafile fno=00026 name=Y:\ORACLE\ORADATA\SATI\QC_INDEX_2002_Q3_TBS.ORA  
input datafile fno=00206 name=Y:\ORACLE\ORADATA\SATI\SYS_AUX01.DBF  
input datafile fno=00163 name=X:\ORACLE\ORADATA\SATI\OTW_INDEX_2005_Q2_TBS.DBF  
input datafile fno=00159 name=X:\ORACLE\ORADATA\SATI\OTW_INDEX_2005_Q1_TBS.DBF  
input datafile fno=00183 name=X:\ORACLE\ORADATA\SATI\OTW_INDEX_2006_Q4_TBS.DBF  
input datafile fno=00059 name=X:\ORACLE\ORADATA\SATI\QC_DATA_2002_Q3_TBS.ORA  
input datafile fno=00205 name=X:\ORACLE\ORADATA\SATI\OTW_INDEX_2008_Q1_TBS.DBF  
input datafile fno=00182 name=X:\ORACLE\ORADATA\SATI\OTW_DATA_2006_Q4_TBS.DBF  
input datafile fno=00166 name=X:\ORACLE\ORADATA\SATI\OTW_DATA_2005_Q4_TBS.DBF  
input datafile fno=00083 name=X:\ORACLE\ORADATA\SATI\QC_DATA_1996_Q3_TBS1.DBF  
input datafile fno=00017 name=X:\ORACLE\ORADATA\SATI\OTW_DATA_2005_Q3_TBS.DBF  
input datafile fno=00038 name=Y:\ORACLE\ORADATA\SATI\QC_INDEX_1999_Q3_TBS.DBF  
input datafile fno=00042 name=Y:\ORACLE\ORADATA\SATI\QC_INDEX_1998_Q3_TBS.DBF  
input datafile fno=00046 name=Y:\ORACLE\ORADATA\SATI\QC_INDEX_1997_Q3_TBS.DBF  
input datafile fno=00010 name=Y:\ORACLE\ORADATA\SATI\BAG_R_INDEX_TBS01.DBF  
input datafile fno=00072 name=X:\ORACLE\ORADATA\SATI\QC_DATA_1999_Q2_TBS.DBF  
input datafile fno=00076 name=X:\ORACLE\ORADATA\SATI\QC_DATA_1998_Q2_TBS.DBF  
input datafile fno=00080 name=X:\ORACLE\ORADATA\SATI\QC_DATA_1997_Q2_TBS.DBF  
input datafile fno=00015 name=Y:\ORACLE\ORADATA\SATI\INDEX_SMALL_TBS01.DBF  
input datafile fno=00005 name=X:\ORACLE\ORADATA\SATI\USERS01.DBF
```

## HOW TO SYNCHRONYZE A BIG GAP ON THE STANDBY DATABASE WHEN THE REQUIRED ARCHIVED LOGS ARE LOST

```
input datafile fno=00095 name=Y:\ORACLE\ORADATA\SATI\OTW_INDEX_2003_Q1_TBS.DBF
input datafile fno=00098 name=Y:\ORACLE\ORADATA\SATI\OTW_INDEX_2002_Q2_TBS.DBF
input datafile fno=00102 name=Y:\ORACLE\ORADATA\SATI\OTW_INDEX_2001_Q2_TBS.DBF
input datafile fno=00106 name=Y:\ORACLE\ORADATA\SATI\OTW_INDEX_2000_Q2_TBS.DBF
input datafile fno=00110 name=Y:\ORACLE\ORADATA\SATI\OTW_INDEX_1999_Q2_TBS.DBF
input datafile fno=00114 name=Y:\ORACLE\ORADATA\SATI\OTW_INDEX_1998_Q2_TBS.DBF
input datafile fno=00118 name=Y:\ORACLE\ORADATA\SATI\OTW_INDEX_1997_Q2_TBS.DBF
input datafile fno=00129 name=X:\ORACLE\ORADATA\SATI\OTW_DATA_2002_Q4_TBS.DBF
input datafile fno=00133 name=X:\ORACLE\ORADATA\SATI\OTW_DATA_2001_Q4_TBS.DBF
input datafile fno=00137 name=X:\ORACLE\ORADATA\SATI\OTW_DATA_2000_Q4_TBS.DBF
input datafile fno=00141 name=X:\ORACLE\ORADATA\SATI\OTW_DATA_1999_Q4_TBS.DBF
input datafile fno=00144 name=X:\ORACLE\ORADATA\SATI\OTW_DATA_1999_Q1_TBS.DBF
input datafile fno=00146 name=X:\ORACLE\ORADATA\SATI\OTW_DATA_1998_Q3_TBS.DBF
input datafile fno=00210 name=X:\ORACLE\ORADATA\SATI\OTW_INDEX_2008_Q2_TBS.DBF
input datafile fno=00211 name=X:\ORACLE\ORADATA\SATI\OTW_INDEX_2008_Q3_TBS.DBF
input datafile fno=00212 name=X:\ORACLE\ORADATA\SATI\OTW_INDEX_2008_Q4_TBS.DBF
input datafile fno=00148 name=X:\ORACLE\ORADATA\SATI\OTW_DATA_1998_Q1_TBS.DBF
input datafile fno=00149 name=X:\ORACLE\ORADATA\SATI\OTW_DATA_1997_Q4_TBS.DBF
input datafile fno=00150 name=X:\ORACLE\ORADATA\SATI\OTW_DATA_1997_Q3_TBS.DBF
input datafile fno=00151 name=X:\ORACLE\ORADATA\SATI\OTW_DATA_1997_Q2_TBS.DBF
input datafile fno=00152 name=X:\ORACLE\ORADATA\SATI\OTW_DATA_1997_Q1_TBS.DBF
input datafile fno=00153 name=X:\ORACLE\ORADATA\SATI\OTW_DATA_1996_Q4_TBS.DBF
channel C1: starting piece 1 at 07-JAN-09
channel C2: starting full datafile backupset
channel C2: specifying datafile(s) in backupset
input datafile fno=00168 name=Z:\ORACLE\ORADATA\SATI\STATSPACK_2_TBS.ORA
input datafile fno=00091 name=Y:\ORACLE\ORADATA\SATI\OTW_INDEX_2004_Q1_TBS.DBF
input datafile fno=00053 name=X:\ORACLE\ORADATA\SATI\QC_DATA_2004_Q1_TBS.ORA
input datafile fno=00052 name=X:\ORACLE\ORADATA\SATI\QC_DATA_2004_Q2_TBS.DBF
input datafile fno=00028 name=Y:\ORACLE\ORADATA\SATI\QC_INDEX_2002_Q1_TBS.DBF
input datafile fno=00085 name=Y:\ORACLE\ORADATA\SATI\QC_INDEX_2004_Q4_TBS.DBF
input datafile fno=00066 name=X:\ORACLE\ORADATA\SATI\QC_DATA_2000_Q4_TBS.DBF
input datafile fno=00025 name=Y:\ORACLE\ORADATA\SATI\QC_INDEX_2003_Q1_TBS.ORA
input datafile fno=00031 name=Y:\ORACLE\ORADATA\SATI\QC_INDEX_2001_Q2_TBS.DBF
input datafile fno=00190 name=X:\ORACLE\ORADATA\SATI\OTW_DATA_2007_Q2_TBS.DBF
input datafile fno=00177 name=X:\ORACLE\ORADATA\SATI\QC_INDEX_2006_Q3_TBS.DBF
input datafile fno=00032 name=Y:\ORACLE\ORADATA\SATI\QC_INDEX_2001_Q1_TBS.DBF
input datafile fno=00086 name=X:\ORACLE\ORADATA\SATI\QC_DATA_2004_Q4_TBS.DBF
```

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```
input datafile fno=00084 name=X:\ORACLE\ORADATA\SATI\QC_INDEX_2002_Q4_TBS.ORA
input datafile fno=00156 name=X:\ORACLE\ORADATA\SATI\QC_DATA_2005_Q1_TBS.DBF
input datafile fno=00213 name=X:\ORACLE\ORADATA\SATI\QC_DATA_2008_Q2_TBS.DBF
input datafile fno=00088 name=X:\ORACLE\ORADATA\SATI\OTW_DATA_2004_Q4_TBS.DBF
input datafile fno=00001 name=X:\ORACLE\ORADATA\SATI\SYSTEM01.DBF
input datafile fno=00051 name=X:\ORACLE\ORADATA\SATI\QC_DATA_2004_Q3_TBS.DBF
input datafile fno=00062 name=X:\ORACLE\ORADATA\SATI\QC_DATA_2001_Q4_TBS.DBF
input datafile fno=00176 name=X:\ORACLE\ORADATA\SATI\QC_DATA_2006_Q3_TBS.DBF
input datafile fno=00067 name=X:\ORACLE\ORADATA\SATI\QC_DATA_2000_Q3_TBS.DBF
input datafile fno=00193 name=X:\ORACLE\ORADATA\SATI\QC_INDEX_2007_Q3_TBS.DBF
input datafile fno=00175 name=X:\ORACLE\ORADATA\SATI\OTW_INDEX_2006_Q2_TBS.DBF
input datafile fno=00200 name=X:\ORACLE\ORADATA\SATI\OTW_DATA_2007_Q4_TBS.DBF
input datafile fno=00093 name=Y:\ORACLE\ORADATA\SATI\OTW_INDEX_2003_Q3_TBS.DBF
input datafile fno=00090 name=Y:\ORACLE\ORADATA\SATI\OTW_INDEX_2004_Q2_TBS.DBF
input datafile fno=00125 name=X:\ORACLE\ORADATA\SATI\OTW_DATA_2003_Q4_TBS.DBF
input datafile fno=00186 name=X:\ORACLE\ORADATA\SATI\OTW_DATA_2007_Q1_TBS.DBF
input datafile fno=00170 name=X:\ORACLE\ORADATA\SATI\OTW_DATA_2006_Q1_TBS.DBF
input datafile fno=00089 name=Y:\ORACLE\ORADATA\SATI\OTW_INDEX_2004_Q3_TBS.DBF
input datafile fno=00195 name=X:\ORACLE\ORADATA\SATI\OTW_INDEX_2007_Q3_TBS.DBF
input datafile fno=00194 name=X:\ORACLE\ORADATA\SATI\OTW_DATA_2007_Q3_TBS.DBF
input datafile fno=00041 name=Y:\ORACLE\ORADATA\SATI\QC_INDEX_1998_Q4_TBS.DBF
input datafile fno=00045 name=Y:\ORACLE\ORADATA\SATI\QC_INDEX_1997_Q4_TBS.DBF
input datafile fno=00049 name=Y:\ORACLE\ORADATA\SATI\QC_INDEX_1996_Q4_TBS.DBF
input datafile fno=00070 name=X:\ORACLE\ORADATA\SATI\QC_DATA_1999_Q4_TBS.DBF
input datafile fno=00071 name=X:\ORACLE\ORADATA\SATI\QC_DATA_1999_Q3_TBS.DBF
input datafile fno=00075 name=X:\ORACLE\ORADATA\SATI\QC_DATA_1998_Q3_TBS.DBF
input datafile fno=00079 name=X:\ORACLE\ORADATA\SATI\QC_DATA_1997_Q3_TBS.DBF
input datafile fno=00013 name=Y:\ORACLE\ORADATA\SATI\DPT_INDX01.DBF
input datafile fno=00006 name=X:\ORACLE\ORADATA\SATI\DRSYS01.DBF
input datafile fno=00096 name=Y:\ORACLE\ORADATA\SATI\OTW_INDEX_2002_Q4_TBS.DBF
input datafile fno=00099 name=Y:\ORACLE\ORADATA\SATI\OTW_INDEX_2002_Q1_TBS.DBF
input datafile fno=00103 name=Y:\ORACLE\ORADATA\SATI\OTW_INDEX_2001_Q1_TBS.DBF
input datafile fno=00107 name=Y:\ORACLE\ORADATA\SATI\OTW_INDEX_2000_Q1_TBS.DBF
input datafile fno=00111 name=Y:\ORACLE\ORADATA\SATI\OTW_INDEX_1999_Q1_TBS.DBF
input datafile fno=00115 name=Y:\ORACLE\ORADATA\SATI\OTW_INDEX_1998_Q1_TBS.DBF
input datafile fno=00119 name=Y:\ORACLE\ORADATA\SATI\OTW_INDEX_1997_Q1_TBS.DBF
input datafile fno=00130 name=X:\ORACLE\ORADATA\SATI\OTW_DATA_2002_Q3_TBS.DBF
input datafile fno=00134 name=X:\ORACLE\ORADATA\SATI\OTW_DATA_2001_Q3_TBS.DBF
```

## HOW TO SYNCHRONYZE A BIG GAP ON THE STANDBY DATABASE WHEN THE REQUIRED ARCHIVED LOGS ARE LOST

```
input datafile fno=00138 name=X:\ORACLE\ORADATA\SATI\OTW_DATA_2000_Q3_TBS.DBF
input datafile fno=00142 name=X:\ORACLE\ORADATA\SATI\OTW_DATA_1999_Q3_TBS.DBF
input datafile fno=00145 name=X:\ORACLE\ORADATA\SATI\OTW_DATA_1998_Q4_TBS.DBF
input datafile fno=00147 name=X:\ORACLE\ORADATA\SATI\OTW_DATA_1998_Q2_TBS.DBF
channel C2: starting piece 1 at 07-JAN-09
channel C3: starting full datafile backupset
channel C3: specifying datafile(s) in backupset
input datafile fno=00207 name=X:\ORACLE\ORADATA\SATI\OTW_DATA_2008_Q2_TBS.DBF
input datafile fno=00022 name=Y:\ORACLE\ORADATA\SATI\QC_INDEX_2003_Q4_TBS.ORA
input datafile fno=00191 name=X:\ORACLE\ORADATA\SATI\OTW_INDEX_2007_Q2_TBS.DBF
input datafile fno=00020 name=Y:\ORACLE\ORADATA\SATI\QC_INDEX_2004_Q2_TBS.DBF
input datafile fno=00056 name=X:\ORACLE\ORADATA\SATI\QC_DATA_2003_Q2_TBS.ORA
input datafile fno=00054 name=X:\ORACLE\ORADATA\SATI\QC_DATA_2003_Q4_TBS.ORA
input datafile fno=00178 name=X:\ORACLE\ORADATA\SATI\OTW_DATA_2006_Q3_TBS.DBF
input datafile fno=00021 name=Y:\ORACLE\ORADATA\SATI\QC_INDEX_2004_Q1_TBS.ORA
input datafile fno=00033 name=Y:\ORACLE\ORADATA\SATI\QC_INDEX_2000_Q4_TBS.DBF
input datafile fno=00157 name=X:\ORACLE\ORADATA\SATI\QC_INDEX_2005_Q1_TBS.DBF
input datafile fno=00161 name=X:\ORACLE\ORADATA\SATI\QC_INDEX_2005_Q2_TBS.DBF
input datafile fno=00189 name=X:\ORACLE\ORADATA\SATI\QC_INDEX_2007_Q2_TBS.DBF
input datafile fno=00185 name=X:\ORACLE\ORADATA\SATI\QC_INDEX_2007_Q1_TBS.DBF
input datafile fno=00173 name=X:\ORACLE\ORADATA\SATI\QC_INDEX_2006_Q2_TBS.DBF
input datafile fno=00035 name=Y:\ORACLE\ORADATA\SATI\QC_INDEX_2000_Q2_TBS.DBF
input datafile fno=00181 name=X:\ORACLE\ORADATA\SATI\QC_INDEX_2006_Q4_TBS.DBF
input datafile fno=00016 name=X:\ORACLE\ORADATA\SATI\QC_INDEX_2005_Q3_TBS.DBF
input datafile fno=00060 name=X:\ORACLE\ORADATA\SATI\QC_DATA_2002_Q2_TBS.DBF
input datafile fno=00188 name=X:\ORACLE\ORADATA\SATI\QC_DATA_2007_Q2_TBS.DBF
input datafile fno=00064 name=X:\ORACLE\ORADATA\SATI\QC_DATA_2001_Q2_TBS.DBF
input datafile fno=00199 name=X:\ORACLE\ORADATA\SATI\QC_INDEX_2007_Q4_TBS.DBF
input datafile fno=00180 name=X:\ORACLE\ORADATA\SATI\QC_DATA_2006_Q4_TBS.DBF
input datafile fno=00155 name=X:\ORACLE\ORADATA\SATI\QC_DATA_2006_Q1_TBS.DBF
input datafile fno=00214 name=X:\ORACLE\ORADATA\SATI\QC_DATA_2008_Q3_TBS.DBF
input datafile fno=00063 name=X:\ORACLE\ORADATA\SATI\QC_DATA_2001_Q3_TBS.DBF
input datafile fno=00094 name=Y:\ORACLE\ORADATA\SATI\OTW_INDEX_2003_Q2_TBS.DBF
input datafile fno=00092 name=Y:\ORACLE\ORADATA\SATI\OTW_INDEX_2003_Q4_TBS.DBF
input datafile fno=00218 name=X:\ORACLE\ORADATA\SATI\QC_DATA_2008_Q4_TBS.DBF
input datafile fno=00217 name=X:\ORACLE\ORADATA\SATI\QC_INDEX_2008_Q4_TBS.DBF
input datafile fno=00127 name=X:\ORACLE\ORADATA\SATI\OTW_DATA_2003_Q2_TBS.DBF
input datafile fno=00036 name=Y:\ORACLE\ORADATA\SATI\QC_INDEX_2000_Q1_TBS.DBF
```

## HOW TO SYNCHRONYZE A BIG GAP ON THE STANDBY DATABASE WHEN THE REQUIRED ARCHIVED LOGS ARE LOST

```
input datafile fno=00162 name=X:\ORACLE\ORADATA\SATI\OTW_DATA_2005_Q2_TBS.DBF
input datafile fno=00126 name=X:\ORACLE\ORADATA\SATI\OTW_DATA_2003_Q3_TBS.DBF
input datafile fno=00011 name=Y:\ORACLE\ORADATA\SATI\BAG_U_INDEX_TBS01.DBF
input datafile fno=00123 name=X:\ORACLE\ORADATA\SATI\OTW_DATA_2004_Q2_TBS.DBF
input datafile fno=00122 name=X:\ORACLE\ORADATA\SATI\OTW_DATA_2004_Q3_TBS.DBF
input datafile fno=00040 name=Y:\ORACLE\ORADATA\SATI\QC_INDEX_1999_Q1_TBS.DBF
input datafile fno=00044 name=Y:\ORACLE\ORADATA\SATI\QC_INDEX_1998_Q1_TBS.DBF
input datafile fno=00048 name=Y:\ORACLE\ORADATA\SATI\QC_INDEX_1997_Q1_TBS.DBF
input datafile fno=00121 name=Y:\ORACLE\ORADATA\SATI\OTW_INDEX_1996_Q3_TBS.ORA
input datafile fno=00074 name=X:\ORACLE\ORADATA\SATI\QC_DATA_1998_Q4_TBS.DBF
input datafile fno=00078 name=X:\ORACLE\ORADATA\SATI\QC_DATA_1997_Q4_TBS.DBF
input datafile fno=00082 name=X:\ORACLE\ORADATA\SATI\QC_DATA_1996_Q4_TBS.DBF
input datafile fno=00154 name=X:\ORACLE\ORADATA\SATI\OTW_DATA_1996_Q3_TBS.ORA
input datafile fno=00197 name=Y:\ORACLE\ORADATA\SATI\INDEX_MEDIUM_TBS01.DBF
input datafile fno=00100 name=Y:\ORACLE\ORADATA\SATI\OTW_INDEX_2001_Q4_TBS.DBF
input datafile fno=00104 name=Y:\ORACLE\ORADATA\SATI\OTW_INDEX_2000_Q4_TBS.DBF
input datafile fno=00108 name=Y:\ORACLE\ORADATA\SATI\OTW_INDEX_1999_Q4_TBS.DBF
input datafile fno=00112 name=Y:\ORACLE\ORADATA\SATI\OTW_INDEX_1998_Q4_TBS.DBF
input datafile fno=00116 name=Y:\ORACLE\ORADATA\SATI\OTW_INDEX_1997_Q4_TBS.DBF
input datafile fno=00120 name=Y:\ORACLE\ORADATA\SATI\OTW_INDEX_1996_Q4_TBS.DBF
input datafile fno=00131 name=X:\ORACLE\ORADATA\SATI\OTW_DATA_2002_Q2_TBS.DBF
input datafile fno=00135 name=X:\ORACLE\ORADATA\SATI\OTW_DATA_2001_Q2_TBS.DBF
input datafile fno=00139 name=X:\ORACLE\ORADATA\SATI\OTW_DATA_2000_Q2_TBS.DBF
input datafile fno=00143 name=X:\ORACLE\ORADATA\SATI\OTW_DATA_1999_Q2_TBS.DBF
channel C3: starting piece 1 at 07-JAN-09
channel C4: starting full datafile backupset
channel C4: specifying datafile(s) in backupset
input datafile fno=00014 name=X:\ORACLE\ORADATA\SATI\DATA_SMALL_TBS01.DBF
input datafile fno=00009 name=X:\ORACLE\ORADATA\SATI\BAG_U_DATA_TBS01.DBF
input datafile fno=00179 name=X:\ORACLE\ORADATA\SATI\OTW_INDEX_2006_Q3_TBS.DBF
input datafile fno=00023 name=Y:\ORACLE\ORADATA\SATI\QC_INDEX_2003_Q3_TBS.ORA
input datafile fno=00087 name=Y:\ORACLE\ORADATA\SATI\OTW_INDEX_2004_Q4_TBS.DBF
input datafile fno=00024 name=Y:\ORACLE\ORADATA\SATI\QC_INDEX_2003_Q2_TBS.ORA
input datafile fno=00055 name=X:\ORACLE\ORADATA\SATI\QC_DATA_2003_Q3_TBS.ORA
input datafile fno=00204 name=X:\ORACLE\ORADATA\SATI\OTW_DATA_2008_Q1_TBS.DBF
input datafile fno=00027 name=Y:\ORACLE\ORADATA\SATI\QC_INDEX_2002_Q2_TBS.DBF
input datafile fno=00019 name=Y:\ORACLE\ORADATA\SATI\QC_INDEX_2004_Q3_TBS.DBF
input datafile fno=00203 name=X:\ORACLE\ORADATA\SATI\QC_INDEX_2008_Q1_TBS.DBF
```

## HOW TO SYNCHRONYZE A BIG GAP ON THE STANDBY DATABASE WHEN THE REQUIRED ARCHIVED LOGS ARE LOST

```
input datafile fno=00124 name=X:\ORACLE\ORADATA\SATI\OTW_DATA_2004_Q1_TBS.DBF
input datafile fno=00169 name=X:\ORACLE\ORADATA\SATI\QC_INDEX_2006_Q1_TBS.DBF
input datafile fno=00202 name=X:\ORACLE\ORADATA\SATI\QC_DATA_2008_Q1_TBS.DBF
input datafile fno=00029 name=Y:\ORACLE\ORADATA\SATI\QC_INDEX_2001_Q4_TBS.DBF
input datafile fno=00198 name=X:\ORACLE\ORADATA\SATI\QC_DATA_2007_Q4_TBS.DBF
input datafile fno=00160 name=X:\ORACLE\ORADATA\SATI\QC_DATA_2005_Q2_TBS.DBF
input datafile fno=00030 name=Y:\ORACLE\ORADATA\SATI\QC_INDEX_2001_Q3_TBS.DBF
input datafile fno=00057 name=X:\ORACLE\ORADATA\SATI\QC_DATA_2003_Q1_TBS.ORA
input datafile fno=00192 name=X:\ORACLE\ORADATA\SATI\QC_DATA_2007_Q3_TBS.DBF
input datafile fno=00216 name=X:\ORACLE\ORADATA\SATI\QC_INDEX_2008_Q3_TBS.DBF
input datafile fno=00068 name=X:\ORACLE\ORADATA\SATI\QC_DATA_2000_Q2_TBS.DBF
input datafile fno=00065 name=X:\ORACLE\ORADATA\SATI\QC_DATA_2001_Q1_TBS.DBF
input datafile fno=00003 name=X:\ORACLE\ORADATA\SATI\QC_DATA_2005_Q3_TBS.DBF
input datafile fno=00196 name=X:\ORACLE\ORADATA\SATI\DATA_MEDIUM_TBS01.DBF
input datafile fno=00209 name=X:\ORACLE\ORADATA\SATI\OTW_DATA_2008_Q4_TBS.DBF
input datafile fno=00187 name=X:\ORACLE\ORADATA\SATI\OTW_INDEX_2007_Q1_TBS.DBF
input datafile fno=00171 name=X:\ORACLE\ORADATA\SATI\OTW_INDEX_2006_Q1_TBS.DBF
input datafile fno=00167 name=X:\ORACLE\ORADATA\SATI\OTW_INDEX_2005_Q4_TBS.DBF
input datafile fno=00174 name=X:\ORACLE\ORADATA\SATI\OTW_DATA_2006_Q2_TBS.DBF
input datafile fno=00158 name=X:\ORACLE\ORADATA\SATI\OTW_DATA_2005_Q1_TBS.DBF
input datafile fno=00069 name=X:\ORACLE\ORADATA\SATI\QC_DATA_2000_Q1_TBS.DBF
input datafile fno=00008 name=X:\ORACLE\ORADATA\SATI\BAG_R_DATA_TBS01.DBF
input datafile fno=00018 name=X:\ORACLE\ORADATA\SATI\OTW_INDEX_2005_Q3_TBS.DBF
input datafile fno=00037 name=Y:\ORACLE\ORADATA\SATI\QC_INDEX_1999_Q4_TBS.DBF
input datafile fno=00039 name=Y:\ORACLE\ORADATA\SATI\QC_INDEX_1999_Q2_TBS.DBF
input datafile fno=00043 name=Y:\ORACLE\ORADATA\SATI\QC_INDEX_1998_Q2_TBS.DBF
input datafile fno=00047 name=Y:\ORACLE\ORADATA\SATI\QC_INDEX_1997_Q2_TBS.DBF
input datafile fno=00050 name=Y:\ORACLE\ORADATA\SATI\QC_INDEX_1996_Q3_TBS.ORA
input datafile fno=00073 name=X:\ORACLE\ORADATA\SATI\QC_DATA_1999_Q1_TBS.DBF
input datafile fno=00077 name=X:\ORACLE\ORADATA\SATI\QC_DATA_1998_Q1_TBS.DBF
input datafile fno=00081 name=X:\ORACLE\ORADATA\SATI\QC_DATA_1997_Q1_TBS.DBF
input datafile fno=00012 name=X:\ORACLE\ORADATA\SATI\DPT_DATA1.DBF
input datafile fno=00004 name=X:\ORACLE\ORADATA\SATI\TOOLS01.DBF
input datafile fno=00007 name=X:\ORACLE\ORADATA\SATI\XDB01.DBF
input datafile fno=00097 name=Y:\ORACLE\ORADATA\SATI\OTW_INDEX_2002_Q3_TBS.DBF
input datafile fno=00101 name=Y:\ORACLE\ORADATA\SATI\OTW_INDEX_2001_Q3_TBS.DBF
input datafile fno=00105 name=Y:\ORACLE\ORADATA\SATI\OTW_INDEX_2000_Q3_TBS.DBF
input datafile fno=00109 name=Y:\ORACLE\ORADATA\SATI\OTW_INDEX_1999_Q3_TBS.DBF
```

## HOW TO SYNCHRONYZE A BIG GAP ON THE STANDBY DATABASE WHEN THE REQUIRED ARCHIVED LOGS ARE LOST

```
input datafile fno=00113 name=Y:\ORACLE\ORADATA\SATI\OTW_INDEX_1998_Q3_TBS.DBF
input datafile fno=00117 name=Y:\ORACLE\ORADATA\SATI\OTW_INDEX_1997_Q3_TBS.DBF
input datafile fno=00128 name=X:\ORACLE\ORADATA\SATI\OTW_DATA_2003_Q1_TBS.DBF
input datafile fno=00132 name=X:\ORACLE\ORADATA\SATI\OTW_DATA_2002_Q1_TBS.DBF
input datafile fno=00136 name=X:\ORACLE\ORADATA\SATI\OTW_DATA_2001_Q1_TBS.DBF
input datafile fno=00140 name=X:\ORACLE\ORADATA\SATI\OTW_DATA_2000_Q1_TBS.DBF
channel C4: starting piece 1 at 07-JAN-09
channel C3: finished piece 1 at 07-JAN-09
piece handle=Z:\BACKUP\FOR_STANDBY_A9K471EF_1_1 tag=FORSTANDBY comment=NONE
channel C3: backup set complete, elapsed timX: 00:19:20
channel C4: finished piece 1 at 07-JAN-09
piece handle=Z:\BACKUP\FOR_STANDBY_AAK471GL_1_1 tag=FORSTANDBY comment=NONE
channel C4: backup set complete, elapsed timX: 00:36:05
channel C1: finished piece 1 at 07-JAN-09
piece handle=Z:\BACKUP\FOR_STANDBY_A7K471DJ_1_1 tag=FORSTANDBY comment=NONE
channel C1: backup set complete, elapsed timX: 00:37:43
channel C2: finished piece 1 at 07-JAN-09
piece handle=Z:\BACKUP\FOR_STANDBY_A8K471DK_1_1 tag=FORSTANDBY comment=NONE
channel C2: backup set complete, elapsed timX: 00:37:42
Finished backup at 07-JAN-09

released channel: C1

released channel: C2

released channel: C3

released channel: C4
```

### ***Recovery Output***

```
RMAN> recover database noredo;
```

```
Starting recover at 07-JAN-09
using channel ORA_DISK_1
channel ORA_DISK_1: starting incremental datafile backupset restore
```

## HOW TO SYNCHRONYZE A BIG GAP ON THE STANDBY DATABASE WHEN THE REQUIRED ARCHIVED LOGS ARE LOST

```
channel ORA_DISK_1: specifying datafile(s) to restore from backup set
destination for restore of datafile 00002: X:\ORACLE\ORADATA\SATI\UNDOTBS01.DBF
destination for restore of datafile 00005: X:\ORACLE\ORADATA\SATI\USERS01.DBF
destination for restore of datafile 00010: Y:\ORACLE\ORADATA\SATI\BAG_R_INDEX_TBS01.DBF
destination for restore of datafile 00015: Y:\ORACLE\ORADATA\SATI\INDEX_SMALL_TBS01.DBF
destination for restore of datafile 00017: X:\ORACLE\ORADATA\SATI\OTW_DATA_2005_Q3_TBS.DBF
destination for restore of datafile 00026: Y:\ORACLE\ORADATA\SATI\QC_INDEX_2002_Q3_TBS.ORA
destination for restore of datafile 00034: Y:\ORACLE\ORADATA\SATI\QC_INDEX_2000_Q3_TBS.DBF
destination for restore of datafile 00038: Y:\ORACLE\ORADATA\SATI\QC_INDEX_1999_Q3_TBS.DBF
destination for restore of datafile 00042: Y:\ORACLE\ORADATA\SATI\QC_INDEX_1998_Q3_TBS.DBF
destination for restore of datafile 00046: Y:\ORACLE\ORADATA\SATI\QC_INDEX_1997_Q3_TBS.DBF
destination for restore of datafile 00058: X:\ORACLE\ORADATA\SATI\QC_DATA_2002_Q4_TBS.ORA
destination for restore of datafile 00059: X:\ORACLE\ORADATA\SATI\QC_DATA_2002_Q3_TBS.ORA
destination for restore of datafile 00061: X:\ORACLE\ORADATA\SATI\QC_DATA_2002_Q1_TBS.DBF
destination for restore of datafile 00072: X:\ORACLE\ORADATA\SATI\QC_DATA_1999_Q2_TBS.DBF
destination for restore of datafile 00076: X:\ORACLE\ORADATA\SATI\QC_DATA_1998_Q2_TBS.DBF
destination for restore of datafile 00080: X:\ORACLE\ORADATA\SATI\QC_DATA_1997_Q2_TBS.DBF
destination for restore of datafile 00083: X:\ORACLE\ORADATA\SATI\QC_DATA_1996_Q3_TBS1.DBF
destination for restore of datafile 00095: Y:\ORACLE\ORADATA\SATI\OTW_INDEX_2003_Q1_TBS.DBF
destination for restore of datafile 00098: Y:\ORACLE\ORADATA\SATI\OTW_INDEX_2002_Q2_TBS.DBF
destination for restore of datafile 00102: Y:\ORACLE\ORADATA\SATI\OTW_INDEX_2001_Q2_TBS.DBF
destination for restore of datafile 00106: Y:\ORACLE\ORADATA\SATI\OTW_INDEX_2000_Q2_TBS.DBF
destination for restore of datafile 00110: Y:\ORACLE\ORADATA\SATI\OTW_INDEX_1999_Q2_TBS.DBF
destination for restore of datafile 00114: Y:\ORACLE\ORADATA\SATI\OTW_INDEX_1998_Q2_TBS.DBF
destination for restore of datafile 00118: Y:\ORACLE\ORADATA\SATI\OTW_INDEX_1997_Q2_TBS.DBF
destination for restore of datafile 00129: X:\ORACLE\ORADATA\SATI\OTW_DATA_2002_Q4_TBS.DBF
destination for restore of datafile 00133: X:\ORACLE\ORADATA\SATI\OTW_DATA_2001_Q4_TBS.DBF
destination for restore of datafile 00137: X:\ORACLE\ORADATA\SATI\OTW_DATA_2000_Q4_TBS.DBF
destination for restore of datafile 00141: X:\ORACLE\ORADATA\SATI\OTW_DATA_1999_Q4_TBS.DBF
destination for restore of datafile 00144: X:\ORACLE\ORADATA\SATI\OTW_DATA_1999_Q1_TBS.DBF
destination for restore of datafile 00146: X:\ORACLE\ORADATA\SATI\OTW_DATA_1998_Q3_TBS.DBF
destination for restore of datafile 00148: X:\ORACLE\ORADATA\SATI\OTW_DATA_1998_Q1_TBS.DBF
destination for restore of datafile 00149: X:\ORACLE\ORADATA\SATI\OTW_DATA_1997_Q4_TBS.DBF
destination for restore of datafile 00150: X:\ORACLE\ORADATA\SATI\OTW_DATA_1997_Q3_TBS.DBF
destination for restore of datafile 00151: X:\ORACLE\ORADATA\SATI\OTW_DATA_1997_Q2_TBS.DBF
destination for restore of datafile 00152: X:\ORACLE\ORADATA\SATI\OTW_DATA_1997_Q1_TBS.DBF
destination for restore of datafile 00153: X:\ORACLE\ORADATA\SATI\OTW_DATA_1996_Q4_TBS.DBF
destination for restore of datafile 00159: X:\ORACLE\ORADATA\SATI\OTW_INDEX_2005_Q1_TBS.DBF
```

## HOW TO SYNCHRONYZE A BIG GAP ON THE STANDBY DATABASE WHEN THE REQUIRED ARCHIVED LOGS ARE LOST

```
destination for restore of datafile 00163: X:\ORACLE\ORADATA\SATI\OTW_INDEX_2005_Q2_TBS.DBF
destination for restore of datafile 00164: X:\ORACLE\ORADATA\SATI\QC_DATA_2005_Q4_TBS.DBF
destination for restore of datafile 00165: X:\ORACLE\ORADATA\SATI\QC_INDEX_2005_Q4_TBS.DBF
destination for restore of datafile 00166: X:\ORACLE\ORADATA\SATI\OTW_DATA_2005_Q4_TBS.DBF
destination for restore of datafile 00172: X:\ORACLE\ORADATA\SATI\QC_DATA_2006_Q2_TBS.DBF
destination for restore of datafile 00182: X:\ORACLE\ORADATA\SATI\OTW_DATA_2006_Q4_TBS.DBF
destination for restore of datafile 00183: X:\ORACLE\ORADATA\SATI\OTW_INDEX_2006_Q4_TBS.DBF
destination for restore of datafile 00184: X:\ORACLE\ORADATA\SATI\QC_DATA_2007_Q1_TBS.DBF
destination for restore of datafile 00201: X:\ORACLE\ORADATA\SATI\OTW_INDEX_2007_Q4_TBS.DBF
destination for restore of datafile 00205: X:\ORACLE\ORADATA\SATI\OTW_INDEX_2008_Q1_TBS.DBF
destination for restore of datafile 00206: Y:\ORACLE\ORADATA\SATI\SYS_AUX01.DBF
destination for restore of datafile 00208: X:\ORACLE\ORADATA\SATI\OTW_DATA_2008_Q3_TBS.DBF
destination for restore of datafile 00210: X:\ORACLE\ORADATA\SATI\OTW_INDEX_2008_Q2_TBS.DBF
destination for restore of datafile 00211: X:\ORACLE\ORADATA\SATI\OTW_INDEX_2008_Q3_TBS.DBF
destination for restore of datafile 00212: X:\ORACLE\ORADATA\SATI\OTW_INDEX_2008_Q4_TBS.DBF
destination for restore of datafile 00215: X:\ORACLE\ORADATA\SATI\QC_INDEX_2008_Q2_TBS.DBF
channel ORA_DISK_1: reading from backup piece Z:\FRA\SATISTD\BACKUPSET\FOR_STANDBY_A7K471DJ_1_1
channel ORA_DISK_1: restored backup piece 1
piece handle=Z:\FRA\SATISTD\BACKUPSET\FOR_STANDBY_A7K471DJ_1_1 tag=FORSTANDBY
channel ORA_DISK_1: restore complete, elapsed time: 00:05:46
channel ORA_DISK_1: starting incremental datafile backupset restore
channel ORA_DISK_1: specifying datafile(s) to restore from backup set
destination for restore of datafile 00001: X:\ORACLE\ORADATA\SATI\SYSTEM01.DBF
destination for restore of datafile 00006: X:\ORACLE\ORADATA\SATI\DRSYS01.DBF
destination for restore of datafile 00013: Y:\ORACLE\ORADATA\SATI\DPT_INDX01.DBF
destination for restore of datafile 00025: Y:\ORACLE\ORADATA\SATI\QC_INDEX_2003_Q1_TBS.ORA
destination for restore of datafile 00028: Y:\ORACLE\ORADATA\SATI\QC_INDEX_2002_Q1_TBS.DBF
destination for restore of datafile 00031: Y:\ORACLE\ORADATA\SATI\QC_INDEX_2001_Q2_TBS.DBF
destination for restore of datafile 00032: Y:\ORACLE\ORADATA\SATI\QC_INDEX_2001_Q1_TBS.DBF
destination for restore of datafile 00041: Y:\ORACLE\ORADATA\SATI\QC_INDEX_1998_Q4_TBS.DBF
destination for restore of datafile 00045: Y:\ORACLE\ORADATA\SATI\QC_INDEX_1997_Q4_TBS.DBF
destination for restore of datafile 00049: Y:\ORACLE\ORADATA\SATI\QC_INDEX_1996_Q4_TBS.DBF
destination for restore of datafile 00051: X:\ORACLE\ORADATA\SATI\QC_DATA_2004_Q3_TBS.DBF
destination for restore of datafile 00052: X:\ORACLE\ORADATA\SATI\QC_DATA_2004_Q2_TBS.DBF
destination for restore of datafile 00053: X:\ORACLE\ORADATA\SATI\QC_DATA_2004_Q1_TBS.ORA
destination for restore of datafile 00062: X:\ORACLE\ORADATA\SATI\QC_DATA_2001_Q4_TBS.DBF
destination for restore of datafile 00066: X:\ORACLE\ORADATA\SATI\QC_DATA_2000_Q4_TBS.DBF
destination for restore of datafile 00067: X:\ORACLE\ORADATA\SATI\QC_DATA_2000_Q3_TBS.DBF
```

## HOW TO SYNCHRONYZE A BIG GAP ON THE STANDBY DATABASE WHEN THE REQUIRED ARCHIVED LOGS ARE LOST

```
destination for restore of datafile 00070: X:\ORACLE\ORADATA\SATI\QC_DATA_1999_Q4_TBS.DBF
destination for restore of datafile 00071: X:\ORACLE\ORADATA\SATI\QC_DATA_1999_Q3_TBS.DBF
destination for restore of datafile 00075: X:\ORACLE\ORADATA\SATI\QC_DATA_1998_Q3_TBS.DBF
destination for restore of datafile 00079: X:\ORACLE\ORADATA\SATI\QC_DATA_1997_Q3_TBS.DBF
destination for restore of datafile 00084: X:\ORACLE\ORADATA\SATI\QC_INDEX_2002_Q4_TBS.ORA
destination for restore of datafile 00085: Y:\ORACLE\ORADATA\SATI\QC_INDEX_2004_Q4_TBS.DBF
destination for restore of datafile 00086: X:\ORACLE\ORADATA\SATI\QC_DATA_2004_Q4_TBS.DBF
destination for restore of datafile 00088: X:\ORACLE\ORADATA\SATI\OTW_DATA_2004_Q4_TBS.DBF
destination for restore of datafile 00089: Y:\ORACLE\ORADATA\SATI\OTW_INDEX_2004_Q3_TBS.DBF
destination for restore of datafile 00090: Y:\ORACLE\ORADATA\SATI\OTW_INDEX_2004_Q2_TBS.DBF
destination for restore of datafile 00091: Y:\ORACLE\ORADATA\SATI\OTW_INDEX_2004_Q1_TBS.DBF
destination for restore of datafile 00093: Y:\ORACLE\ORADATA\SATI\OTW_INDEX_2003_Q3_TBS.DBF
destination for restore of datafile 00096: Y:\ORACLE\ORADATA\SATI\OTW_INDEX_2002_Q4_TBS.DBF
destination for restore of datafile 00099: Y:\ORACLE\ORADATA\SATI\OTW_INDEX_2002_Q1_TBS.DBF
destination for restore of datafile 00103: Y:\ORACLE\ORADATA\SATI\OTW_INDEX_2001_Q1_TBS.DBF
destination for restore of datafile 00107: Y:\ORACLE\ORADATA\SATI\OTW_INDEX_2000_Q1_TBS.DBF
destination for restore of datafile 00111: Y:\ORACLE\ORADATA\SATI\OTW_INDEX_1999_Q1_TBS.DBF
destination for restore of datafile 00115: Y:\ORACLE\ORADATA\SATI\OTW_INDEX_1998_Q1_TBS.DBF
destination for restore of datafile 00119: Y:\ORACLE\ORADATA\SATI\OTW_INDEX_1997_Q1_TBS.DBF
destination for restore of datafile 00125: X:\ORACLE\ORADATA\SATI\OTW_DATA_2003_Q4_TBS.DBF
destination for restore of datafile 00130: X:\ORACLE\ORADATA\SATI\OTW_DATA_2002_Q3_TBS.DBF
destination for restore of datafile 00134: X:\ORACLE\ORADATA\SATI\OTW_DATA_2001_Q3_TBS.DBF
destination for restore of datafile 00138: X:\ORACLE\ORADATA\SATI\OTW_DATA_2000_Q3_TBS.DBF
destination for restore of datafile 00142: X:\ORACLE\ORADATA\SATI\OTW_DATA_1999_Q3_TBS.DBF
destination for restore of datafile 00145: X:\ORACLE\ORADATA\SATI\OTW_DATA_1998_Q4_TBS.DBF
destination for restore of datafile 00147: X:\ORACLE\ORADATA\SATI\OTW_DATA_1998_Q2_TBS.DBF
destination for restore of datafile 00156: X:\ORACLE\ORADATA\SATI\QC_DATA_2005_Q1_TBS.DBF
destination for restore of datafile 00168: Z:\ORACLE\ORADATA\SATI\STATSPACK_2_TBS.ORA
destination for restore of datafile 00170: X:\ORACLE\ORADATA\SATI\OTW_DATA_2006_Q1_TBS.DBF
destination for restore of datafile 00175: X:\ORACLE\ORADATA\SATI\OTW_INDEX_2006_Q2_TBS.DBF
destination for restore of datafile 00176: X:\ORACLE\ORADATA\SATI\QC_DATA_2006_Q3_TBS.DBF
destination for restore of datafile 00177: X:\ORACLE\ORADATA\SATI\QC_INDEX_2006_Q3_TBS.DBF
destination for restore of datafile 00186: X:\ORACLE\ORADATA\SATI\OTW_DATA_2007_Q1_TBS.DBF
destination for restore of datafile 00190: X:\ORACLE\ORADATA\SATI\OTW_DATA_2007_Q2_TBS.DBF
destination for restore of datafile 00193: X:\ORACLE\ORADATA\SATI\QC_INDEX_2007_Q3_TBS.DBF
destination for restore of datafile 00194: X:\ORACLE\ORADATA\SATI\OTW_DATA_2007_Q3_TBS.DBF
destination for restore of datafile 00195: X:\ORACLE\ORADATA\SATI\OTW_INDEX_2007_Q3_TBS.DBF
destination for restore of datafile 00200: X:\ORACLE\ORADATA\SATI\OTW_DATA_2007_Q4_TBS.DBF
```

## HOW TO SYNCHRONIZE A BIG GAP ON THE STANDBY DATABASE WHEN THE REQUIRED ARCHIVED LOGS ARE LOST

```
destination for restore of datafile 00213: X:\ORACLE\ORADATA\SATI\QC_DATA_2008_Q2_TBS.DBF
channel ORA_DISK_1: reading from backup piece Z:\FRA\SATISTD\BACKUPSET\FOR_STANDBY_A8K471DK_1_1
channel ORA_DISK_1: restored backup piece 1
piece handle=Z:\FRA\SATISTD\BACKUPSET\FOR_STANDBY_A8K471DK_1_1 tag=FORSTANDBY
channel ORA_DISK_1: restore complete, elapsed timX: 00:02:56
channel ORA_DISK_1: starting incremental datafile backupset restore
channel ORA_DISK_1: specifying datafile(s) to restore from backup set
destination for restore of datafile 00011: Y:\ORACLE\ORADATA\SATI\BAG_U_INDEX_TBS01.DBF
destination for restore of datafile 00016: X:\ORACLE\ORADATA\SATI\QC_INDEX_2005_Q3_TBS.DBF
destination for restore of datafile 00020: Y:\ORACLE\ORADATA\SATI\QC_INDEX_2004_Q2_TBS.DBF
destination for restore of datafile 00021: Y:\ORACLE\ORADATA\SATI\QC_INDEX_2004_Q1_TBS.ORA
destination for restore of datafile 00022: Y:\ORACLE\ORADATA\SATI\QC_INDEX_2003_Q4_TBS.ORA
destination for restore of datafile 00033: Y:\ORACLE\ORADATA\SATI\QC_INDEX_2000_Q4_TBS.DBF
destination for restore of datafile 00035: Y:\ORACLE\ORADATA\SATI\QC_INDEX_2000_Q2_TBS.DBF
destination for restore of datafile 00036: Y:\ORACLE\ORADATA\SATI\QC_INDEX_2000_Q1_TBS.DBF
destination for restore of datafile 00040: Y:\ORACLE\ORADATA\SATI\QC_INDEX_1999_Q1_TBS.DBF
destination for restore of datafile 00044: Y:\ORACLE\ORADATA\SATI\QC_INDEX_1998_Q1_TBS.DBF
destination for restore of datafile 00048: Y:\ORACLE\ORADATA\SATI\QC_INDEX_1997_Q1_TBS.DBF
destination for restore of datafile 00054: X:\ORACLE\ORADATA\SATI\QC_DATA_2003_Q4_TBS.ORA
destination for restore of datafile 00056: X:\ORACLE\ORADATA\SATI\QC_DATA_2003_Q2_TBS.ORA
destination for restore of datafile 00060: X:\ORACLE\ORADATA\SATI\QC_DATA_2002_Q2_TBS.DBF
destination for restore of datafile 00063: X:\ORACLE\ORADATA\SATI\QC_DATA_2001_Q3_TBS.DBF
destination for restore of datafile 00064: X:\ORACLE\ORADATA\SATI\QC_DATA_2001_Q2_TBS.DBF
destination for restore of datafile 00074: X:\ORACLE\ORADATA\SATI\QC_DATA_1998_Q4_TBS.DBF
destination for restore of datafile 00078: X:\ORACLE\ORADATA\SATI\QC_DATA_1997_Q4_TBS.DBF
destination for restore of datafile 00082: X:\ORACLE\ORADATA\SATI\QC_DATA_1996_Q4_TBS.DBF
destination for restore of datafile 00092: Y:\ORACLE\ORADATA\SATI\OTW_INDEX_2003_Q4_TBS.DBF
destination for restore of datafile 00094: Y:\ORACLE\ORADATA\SATI\OTW_INDEX_2003_Q2_TBS.DBF
destination for restore of datafile 00100: Y:\ORACLE\ORADATA\SATI\OTW_INDEX_2001_Q4_TBS.DBF
destination for restore of datafile 00104: Y:\ORACLE\ORADATA\SATI\OTW_INDEX_2000_Q4_TBS.DBF
destination for restore of datafile 00108: Y:\ORACLE\ORADATA\SATI\OTW_INDEX_1999_Q4_TBS.DBF
destination for restore of datafile 00112: Y:\ORACLE\ORADATA\SATI\OTW_INDEX_1998_Q4_TBS.DBF
destination for restore of datafile 00116: Y:\ORACLE\ORADATA\SATI\OTW_INDEX_1997_Q4_TBS.DBF
destination for restore of datafile 00120: Y:\ORACLE\ORADATA\SATI\OTW_INDEX_1996_Q4_TBS.DBF
destination for restore of datafile 00121: Y:\ORACLE\ORADATA\SATI\OTW_INDEX_1996_Q3_TBS.ORA
destination for restore of datafile 00122: X:\ORACLE\ORADATA\SATI\OTW_DATA_2004_Q3_TBS.DBF
destination for restore of datafile 00123: X:\ORACLE\ORADATA\SATI\OTW_DATA_2004_Q2_TBS.DBF
destination for restore of datafile 00126: X:\ORACLE\ORADATA\SATI\OTW_DATA_2003_Q3_TBS.DBF
```

## HOW TO SYNCHRONYZE A BIG GAP ON THE STANDBY DATABASE WHEN THE REQUIRED ARCHIVED LOGS ARE LOST

```
destination for restore of datafile 00127: X:\ORACLE\ORADATA\SATI\OTW_DATA_2003_Q2_TBS.DBF
destination for restore of datafile 00131: X:\ORACLE\ORADATA\SATI\OTW_DATA_2002_Q2_TBS.DBF
destination for restore of datafile 00135: X:\ORACLE\ORADATA\SATI\OTW_DATA_2001_Q2_TBS.DBF
destination for restore of datafile 00139: X:\ORACLE\ORADATA\SATI\OTW_DATA_2000_Q2_TBS.DBF
destination for restore of datafile 00143: X:\ORACLE\ORADATA\SATI\OTW_DATA_1999_Q2_TBS.DBF
destination for restore of datafile 00154: X:\ORACLE\ORADATA\SATI\OTW_DATA_1996_Q3_TBS.ORA
destination for restore of datafile 00155: X:\ORACLE\ORADATA\SATI\QC_DATA_2006_Q1_TBS.DBF
destination for restore of datafile 00157: X:\ORACLE\ORADATA\SATI\QC_INDEX_2005_Q1_TBS.DBF
destination for restore of datafile 00161: X:\ORACLE\ORADATA\SATI\QC_INDEX_2005_Q2_TBS.DBF
destination for restore of datafile 00162: X:\ORACLE\ORADATA\SATI\OTW_DATA_2005_Q2_TBS.DBF
destination for restore of datafile 00173: X:\ORACLE\ORADATA\SATI\QC_INDEX_2006_Q2_TBS.DBF
destination for restore of datafile 00178: X:\ORACLE\ORADATA\SATI\OTW_DATA_2006_Q3_TBS.DBF
destination for restore of datafile 00180: X:\ORACLE\ORADATA\SATI\QC_DATA_2006_Q4_TBS.DBF
destination for restore of datafile 00181: X:\ORACLE\ORADATA\SATI\QC_INDEX_2006_Q4_TBS.DBF
destination for restore of datafile 00185: X:\ORACLE\ORADATA\SATI\QC_INDEX_2007_Q1_TBS.DBF
destination for restore of datafile 00188: X:\ORACLE\ORADATA\SATI\QC_DATA_2007_Q2_TBS.DBF
destination for restore of datafile 00189: X:\ORACLE\ORADATA\SATI\QC_INDEX_2007_Q2_TBS.DBF
destination for restore of datafile 00191: X:\ORACLE\ORADATA\SATI\OTW_INDEX_2007_Q2_TBS.DBF
destination for restore of datafile 00197: Y:\ORACLE\ORADATA\SATI\INDEX_MEDIUM_TBS01.DBF
destination for restore of datafile 00199: X:\ORACLE\ORADATA\SATI\QC_INDEX_2007_Q4_TBS.DBF
destination for restore of datafile 00207: X:\ORACLE\ORADATA\SATI\OTW_DATA_2008_Q2_TBS.DBF
destination for restore of datafile 00214: X:\ORACLE\ORADATA\SATI\QC_DATA_2008_Q3_TBS.DBF
destination for restore of datafile 00217: X:\ORACLE\ORADATA\SATI\QC_INDEX_2008_Q4_TBS.DBF
destination for restore of datafile 00218: X:\ORACLE\ORADATA\SATI\QC_DATA_2008_Q4_TBS.DBF
channel ORA_DISK_1: reading from backup piece Z:\FRA\SATISTD\BACKUPSET\FOR_STANDBY_A9K471EF_1_1
channel ORA_DISK_1: restored backup piece 1
piece handle=Z:\FRA\SATISTD\BACKUPSET\FOR_STANDBY_A9K471EF_1_1 tag=FORSTANDBY
channel ORA_DISK_1: restore complete, elapsed timX: 00:04:16
channel ORA_DISK_1: starting incremental datafile backupset restore
channel ORA_DISK_1: specifying datafile(s) to restore from backup set
destination for restore of datafile 00003: X:\ORACLE\ORADATA\SATI\QC_DATA_2005_Q3_TBS.DBF
destination for restore of datafile 00004: X:\ORACLE\ORADATA\SATI\TOOLS01.DBF
destination for restore of datafile 00007: X:\ORACLE\ORADATA\SATI\XDB01.DBF
destination for restore of datafile 00008: X:\ORACLE\ORADATA\SATI\BAG_R_DATA_TBS01.DBF
destination for restore of datafile 00009: X:\ORACLE\ORADATA\SATI\BAG_U_DATA_TBS01.DBF
destination for restore of datafile 00012: X:\ORACLE\ORADATA\SATI\DPT_DATA1.DBF
destination for restore of datafile 00014: X:\ORACLE\ORADATA\SATI\DATA_SMALL_TBS01.DBF
destination for restore of datafile 00018: X:\ORACLE\ORADATA\SATI\OTW_INDEX_2005_Q3_TBS.DBF
```

## HOW TO SYNCHRONIZE A BIG GAP ON THE STANDBY DATABASE WHEN THE REQUIRED ARCHIVED LOGS ARE LOST

```
destination for restore of datafile 00019: Y:\ORACLE\ORADATA\SATI\QC_INDEX_2004_Q3_TBS.DBF
destination for restore of datafile 00023: Y:\ORACLE\ORADATA\SATI\QC_INDEX_2003_Q3_TBS.ORA
destination for restore of datafile 00024: Y:\ORACLE\ORADATA\SATI\QC_INDEX_2003_Q2_TBS.ORA
destination for restore of datafile 00027: Y:\ORACLE\ORADATA\SATI\QC_INDEX_2002_Q2_TBS.DBF
destination for restore of datafile 00029: Y:\ORACLE\ORADATA\SATI\QC_INDEX_2001_Q4_TBS.DBF
destination for restore of datafile 00030: Y:\ORACLE\ORADATA\SATI\QC_INDEX_2001_Q3_TBS.DBF
destination for restore of datafile 00037: Y:\ORACLE\ORADATA\SATI\QC_INDEX_1999_Q4_TBS.DBF
destination for restore of datafile 00039: Y:\ORACLE\ORADATA\SATI\QC_INDEX_1999_Q2_TBS.DBF
destination for restore of datafile 00043: Y:\ORACLE\ORADATA\SATI\QC_INDEX_1998_Q2_TBS.DBF
destination for restore of datafile 00047: Y:\ORACLE\ORADATA\SATI\QC_INDEX_1997_Q2_TBS.DBF
destination for restore of datafile 00050: Y:\ORACLE\ORADATA\SATI\QC_INDEX_1996_Q3_TBS.ORA
destination for restore of datafile 00055: X:\ORACLE\ORADATA\SATI\QC_DATA_2003_Q3_TBS.ORA
destination for restore of datafile 00057: X:\ORACLE\ORADATA\SATI\QC_DATA_2003_Q1_TBS.ORA
destination for restore of datafile 00065: X:\ORACLE\ORADATA\SATI\QC_DATA_2001_Q1_TBS.DBF
destination for restore of datafile 00068: X:\ORACLE\ORADATA\SATI\QC_DATA_2000_Q2_TBS.DBF
destination for restore of datafile 00069: X:\ORACLE\ORADATA\SATI\QC_DATA_2000_Q1_TBS.DBF
destination for restore of datafile 00073: X:\ORACLE\ORADATA\SATI\QC_DATA_1999_Q1_TBS.DBF
destination for restore of datafile 00077: X:\ORACLE\ORADATA\SATI\QC_DATA_1998_Q1_TBS.DBF
destination for restore of datafile 00081: X:\ORACLE\ORADATA\SATI\QC_DATA_1997_Q1_TBS.DBF
destination for restore of datafile 00087: Y:\ORACLE\ORADATA\SATI\OTW_INDEX_2004_Q4_TBS.DBF
destination for restore of datafile 00097: Y:\ORACLE\ORADATA\SATI\OTW_INDEX_2002_Q3_TBS.DBF
destination for restore of datafile 00101: Y:\ORACLE\ORADATA\SATI\OTW_INDEX_2001_Q3_TBS.DBF
destination for restore of datafile 00105: Y:\ORACLE\ORADATA\SATI\OTW_INDEX_2000_Q3_TBS.DBF
destination for restore of datafile 00109: Y:\ORACLE\ORADATA\SATI\OTW_INDEX_1999_Q3_TBS.DBF
destination for restore of datafile 00113: Y:\ORACLE\ORADATA\SATI\OTW_INDEX_1998_Q3_TBS.DBF
destination for restore of datafile 00117: Y:\ORACLE\ORADATA\SATI\OTW_INDEX_1997_Q3_TBS.DBF
destination for restore of datafile 00124: X:\ORACLE\ORADATA\SATI\OTW_DATA_2004_Q1_TBS.DBF
destination for restore of datafile 00128: X:\ORACLE\ORADATA\SATI\OTW_DATA_2003_Q1_TBS.DBF
destination for restore of datafile 00132: X:\ORACLE\ORADATA\SATI\OTW_DATA_2002_Q1_TBS.DBF
destination for restore of datafile 00136: X:\ORACLE\ORADATA\SATI\OTW_DATA_2001_Q1_TBS.DBF
destination for restore of datafile 00140: X:\ORACLE\ORADATA\SATI\OTW_DATA_2000_Q1_TBS.DBF
destination for restore of datafile 00158: X:\ORACLE\ORADATA\SATI\OTW_DATA_2005_Q1_TBS.DBF
destination for restore of datafile 00160: X:\ORACLE\ORADATA\SATI\QC_DATA_2005_Q2_TBS.DBF
destination for restore of datafile 00167: X:\ORACLE\ORADATA\SATI\OTW_INDEX_2005_Q4_TBS.DBF
destination for restore of datafile 00169: X:\ORACLE\ORADATA\SATI\QC_INDEX_2006_Q1_TBS.DBF
destination for restore of datafile 00171: X:\ORACLE\ORADATA\SATI\OTW_INDEX_2006_Q1_TBS.DBF
destination for restore of datafile 00174: X:\ORACLE\ORADATA\SATI\OTW_DATA_2006_Q2_TBS.DBF
destination for restore of datafile 00179: X:\ORACLE\ORADATA\SATI\OTW_INDEX_2006_Q3_TBS.DBF
```

## HOW TO SYNCHRONIZE A BIG GAP ON THE STANDBY DATABASE WHEN THE REQUIRED ARCHIVED LOGS ARE LOST

```
destination for restore of datafile 00187: X:\ORACLE\ORADATA\SATI\OTW_INDEX_2007_Q1_TBS.DBF
destination for restore of datafile 00192: X:\ORACLE\ORADATA\SATI\QC_DATA_2007_Q3_TBS.DBF
destination for restore of datafile 00196: X:\ORACLE\ORADATA\SATI\DATA_MEDIUM_TBS01.DBF
destination for restore of datafile 00198: X:\ORACLE\ORADATA\SATI\QC_DATA_2007_Q4_TBS.DBF
destination for restore of datafile 00202: X:\ORACLE\ORADATA\SATI\QC_DATA_2008_Q1_TBS.DBF
destination for restore of datafile 00203: X:\ORACLE\ORADATA\SATI\QC_INDEX_2008_Q1_TBS.DBF
destination for restore of datafile 00204: X:\ORACLE\ORADATA\SATI\OTW_DATA_2008_Q1_TBS.DBF
destination for restore of datafile 00209: X:\ORACLE\ORADATA\SATI\OTW_DATA_2008_Q4_TBS.DBF
destination for restore of datafile 00216: X:\ORACLE\ORADATA\SATI\QC_INDEX_2008_Q3_TBS.DBF
channel ORA_DISK_1: reading from backup piece Z:\FRA\SATISTD\BACKUPSET\FOR_STANDBY_AAK471GL_1_1
channel ORA_DISK_1: restored backup piece 1
piece handle=Z:\FRA\SATISTD\BACKUPSET\FOR_STANDBY_AAK471GL_1_1 tag=FORSTANDBY
channel ORA_DISK_1: restore complete, elapsed time: 00:02:46
Finished recover at 07-JAN-09
For record type DATAFILE COPY recids from 208 to 209 are re-used before resync
```

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