

-- Example 1

SQL> select * from big_album_sales where release_date between '01-JUN-2003' and '13-APR-2004';
227606 rows selected.

Execution Plan

Plan hash value: 3484306256

Id	Operation	Name	Rows	Bytes	Cost (%CPU)	Time	Pstart	Pstop
0	SELECT STATEMENT		229K	5594K	609 (2)	00:00:08		
1	PARTITION RANGE ITERATOR		229K	5594K	609 (2)	00:00:08	3	4
* 2	TABLE ACCESS FULL	BIG_ALBUM_SALES	229K	5594K	609 (2)	00:00:08	3	4

Predicate Information (identified by operation id):

2 - filter("RELEASE_DATE"<=TO_DATE(' 2004-04-13 00:00:00', 'syyyy-mm-dd hh24:mi:ss') AND
"RELEASE_DATE">=TO_DATE(' 2003-06-01 00:00:00', 'syyyy-mm-dd hh24:mi:ss'))

Statistics

```

-----
1 recursive calls
0 db block gets
2262 consistent gets
1109 physical reads
0 redo size
6041092 bytes sent via SQL*Net to client
891 bytes received via SQL*Net from client
47 SQL*Net roundtrips to/from client
0 sorts (memory)
0 sorts (disk)
227606 rows processed

```

--Example 2

SQL> select * from big_album_sales where release_date > '01-JUN-2006';
587694 rows selected.

Execution Plan

Plan hash value: 3484306256

Id	Operation	Name	Rows	Bytes	Cost (%CPU)	Time	Pstart	Pstop
0	SELECT STATEMENT		587K	14M	805 (2)	00:00:10		
1	PARTITION RANGE ITERATOR		587K	14M	805 (2)	00:00:10	6	8
* 2	TABLE ACCESS FULL	BIG_ALBUM_SALES	587K	14M	805 (2)	00:00:10	6	8

Predicate Information (identified by operation id):

2 - filter("RELEASE_DATE">TO_DATE(' 2006-06-01 00:00:00', 'syyyy-mm-dd hh24:mi:ss'))

Statistics

```

-----
1 recursive calls
0 db block gets
3056 consistent gets
2933 physical reads
0 redo size
15565479 bytes sent via SQL*Net to client
1683 bytes received via SQL*Net from client
119 SQL*Net roundtrips to/from client
0 sorts (memory)
0 sorts (disk)
587694 rows processed

```

-- Example 3

SQL> select * from big_album_sales where release_date between '01-JUN-2006' and '30-NOV-2006' or release_date > '14-JUN-2008';
183881 rows selected.

Execution Plan

Plan hash value: 2229460409

Id	Operation	Name	Rows	Bytes	Cost (%CPU)	Time	Pstart	Pstop
0	SELECT STATEMENT		181K	4432K	504 (2)	00:00:07		
1	PARTITION RANGE OR		181K	4432K	504 (2)	00:00:07	KEY(OR)	KEY(OR)
* 2	TABLE ACCESS FULL	BIG_ALBUM_SALES	181K	4432K	504 (2)	00:00:07	KEY(OR)	KEY(OR)

Predicate Information (identified by operation id):

2 - filter("RELEASE_DATE">=TO_DATE(' 2006-06-01 00:00:00', 'syyyy-mm-dd hh24:mi:ss') AND
"RELEASE_DATE"<=TO_DATE(' 2006-11-30 00:00:00', 'syyyy-mm-dd hh24:mi:ss') OR
"RELEASE_DATE">TO_DATE(' 2008-06-14 00:00:00', 'syyyy-mm-dd hh24:mi:ss'))

Statistics

```
-----
204 recursive calls
0 db block gets
1899 consistent gets
1099 physical reads
0 redo size
4884239 bytes sent via SQL*Net to client
792 bytes received via SQL*Net from client
38 SQL*Net roundtrips to/from client
0 sorts (memory)
0 sorts (disk)
183881 rows processed
```

-- Example 4

```
SQL> select * from big_album_sales where release_date is null;
no rows selected
```

Execution Plan

Plan hash value: 3245858454

Id	Operation	Name	Rows	Bytes	Cost (%CPU)	Time	Pstart	Pstop
0	SELECT STATEMENT		1	25	200 (1)	00:00:03		
1	PARTITION RANGE SINGLE		1	25	200 (1)	00:00:03	8	8
* 2	TABLE ACCESS FULL	BIG_ALBUM_SALES	1	25	200 (1)	00:00:03	8	8

Predicate Information (identified by operation id):

2 - filter("RELEASE_DATE" IS NULL)

Statistics

```
-----
0 recursive calls
0 db block gets
727 consistent gets
0 physical reads
0 redo size
512 bytes sent via SQL*Net to client
385 bytes received via SQL*Net from client
1 SQL*Net roundtrips to/from client
0 sorts (memory)
0 sorts (disk)
0 rows processed
```

-- Example 5

```
SQL> select * from big_album_sales where release_date = '01-JUN-2006';
no rows selected
```

Execution Plan

Plan hash value: 3245858454

Id	Operation	Name	Rows	Bytes	Cost (%CPU)	Time	Pstart	Pstop
0	SELECT STATEMENT		718	17950	303 (1)	00:00:04		
1	PARTITION RANGE SINGLE		718	17950	303 (1)	00:00:04	6	6
* 2	TABLE ACCESS FULL	BIG_ALBUM_SALES	718	17950	303 (1)	00:00:04	6	6

Predicate Information (identified by operation id):

2 - filter("RELEASE_DATE"=TO_DATE(' 2006-06-01 00:00:00', 'yyyy-mm-dd hh24:mi:ss'))

Statistics

```
-----
0 recursive calls
0 db block gets
1106 consistent gets
1103 physical reads
0 redo size
512 bytes sent via SQL*Net to client
385 bytes received via SQL*Net from client
1 SQL*Net roundtrips to/from client
0 sorts (memory)
0 sorts (disk)
0 rows processed
```

-- Example 6

```
SQL> select /*+ index(b) */ * from big_album_sales b where release_date = '01-JUN-2006';  
no rows selected
```

Execution Plan

Plan hash value: 1030783515

Id	Operation	Name	Rows	Bytes	Cost (%CPU)	Time	Pstart	Pstop
0	SELECT STATEMENT		718	17950	722 (0)	00:00:09		
1	PARTITION RANGE SINGLE		718	17950	722 (0)	00:00:09	6	6
2	TABLE ACCESS BY LOCAL INDEX ROWID	BIG_ALBUM_SALES	718	17950	722 (0)	00:00:09	6	6
* 3	INDEX RANGE SCAN	BIG_ALBUM_SALES_I	718		4 (0)	00:00:01	6	6

Predicate Information (identified by operation id):

3 - access("RELEASE_DATE"=TO_DATE(' 2006-06-01 00:00:00', 'syyy-mm-dd hh24:mi:ss'))

Statistics

```
0 recursive calls  
0 db block gets  
3 consistent gets  
0 physical reads  
0 redo size  
512 bytes sent via SQL*Net to client  
385 bytes received via SQL*Net from client  
1 SQL*Net roundtrips to/from client  
0 sorts (memory)  
0 sorts (disk)  
0 rows processed
```

-- Example 7

```
SQL> select * from big_album_sales2 where release_date = '01-JUN-2006';  
no rows selected
```

Execution Plan

Plan hash value: 1720219014

Id	Operation	Name	Rows	Bytes	Cost(%CPU)	Time
0	SELECT STATEMENT		718	17950	723 (0)	00:00:09
1	TABLE ACCESS BY INDEX ROWID	BIG_ALBUM_SALES2	718	17950	723 (0)	00:00:09
* 2	INDEX RANGE SCAN	BIG_ALBUM_SALES2_I	718		4 (0)	00:00:01

Predicate Information (identified by operation id):

2 - access("RELEASE_DATE"=TO_DATE(' 2006-06-01 00:00:00', 'syyy-mm-dd hh24:mi:ss'))

Statistics

```
0 recursive calls  
0 db block gets  
3 consistent gets  
3 physical reads  
0 redo size  
512 bytes sent via SQL*Net to client  
385 bytes received via SQL*Net from client  
1 SQL*Net roundtrips to/from client  
0 sorts (memory)  
0 sorts (disk)  
0 rows processed
```