

Publication Date: 13 NOV 2025

Effective Date: 25 DEC 2025

**AIRAC
AIP AMDT**

**14
25 DEC 2025**

AIRAC AIP AMENDMENT 14/25

I. Content

- GEN - record of AIP Supplements updated.
- AD - LRBC - low visibility procedures updated.
 - LRBS - change of TWY S width.
 - change of TWY L strength.

II. Insert the following new pages and/or charts:

GEN 0.3-2	25 DEC 2025
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GEN 2.7-19	04 SEP 2025
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| II. | Insert the following new pages
and/or charts:
GEN 2.7-21 25 DEC 2025

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AD 2.2-13 25 DEC 2025
AD 2.2-14 25 DEC 2025
AD 2.4-2 25 DEC 2025
AD 2.4-20 25 DEC 2025
AD 2.4-22 25 DEC 2025 | Destroy the following pages
and/or charts:

AD 2.2-12 30 OCT 2025
AD 2.2-13 30 OCT 2025
AD 2.2-14 30 OCT 2025
AD 2.4-2 16 MAY 2024
AD 2.4-20 07 SEP 2023
AD 2.4-22 16 MAY 2024 |
|------------|--|---|
- III.** **Amend RECORD OF AIP AMDT (GEN 0.2) accordingly.**

END

GEN 0.3 RECORD OF AIP SUPPLEMENTS

No/Year	Subject	AIP section(s) affected	Period of validity	Cancellation record
1	2	3	4	5
AIRAC 02/18	BUCUREȘTI/Henri Coandă Airport, SID/STAR suspended.	AD 2.5	from: 16 AUG 2018 to: announced by NOTAM or SUP	
AIRAC 01/23	SATU MARE / Satu Mare Airport Local Aerodrome Regulations	AD 2.12	from: 23 FEB 2023 to: announced by NOTAM or SUP	
AIRAC 03/24	BUCUREȘTI FIR - Alexandru Odobescu wind farms under construction	ENR 5.4, AD 2.4, AD 2.5, AD 2.8	from: 28 NOV 2024 to: 30 NOV 2026 EST	
AIRAC 04/24	BUCUREȘTI FIR - Gurbănești wind farm under construction	ENR 5.4, AD 2.4, AD 2.5	from: 28 NOV 2024 to: 30 NOV 2026 EST	
AIRAC 05/24	BUCUREȘTI FIR - Hârlău wind farm under construction	ENR 5.4, AD 2.14	from: 28 NOV 2024 to: 30 NOV 2026 EST	
AIRAC 06/24	BUCUREȘTI FIR - Deleni 1 wind farm and Scobinți wind farm under construction	ENR 5.4, AD 2.10	from: 28 NOV 2024 to: 30 NOV 2026 EST	
AIRAC 08/24	BUCUREȘTI FIR - Casimcea 1 wind farm and Casimcea 2 wind farm under construction	ENR 5.4, AD 2.8	from: 28 NOV 2024 to: 30 NOV 2026 EST	
AIRAC 09/24	BUCUREȘTI FIR - Cerchezu wind farm under construction	ENR 5.4, ENR 6-2, AD 2.8	from: 26 DEC 2024 to: 30 DEC 2026 EST	
AIRAC 10/24	BUCUREȘTI FIR - Cobadin wind farm and Pietreni wind farm under construction	ENR 5.4, AD 2.8	from: 26 DEC 2024 to: 30 NOV 2026 EST	AIRAC AIP SUP 18/25
01/25	CLUJ NAPOCA / Avram Iancu Airport, airport development charge.	GEN 4.1	from: 20 FEB 2025 to: 31 DEC 2028	
AIRAC 02/25	BUCUREȘTI FIR - Beidaud Eolian wind farm under construction	ENR 5.4, AD 2.8	from: 20 MAR 2025 to: 31 DEC 2026 EST	
03/25	BAIA MARE / Maramureș Airport, rescue and fire fighting services	AD 2.3	from: 20 MAR 2025 to: 31 DEC 2027 EST	
AIRAC 03/25	BUCUREȘTI FIR - Dumești and Românești Wind Farms under construction	ENR 5.4, AD 2.10	from: 17 APR 2025 to: 31 DEC 2026 EST	
04/25	BUCUREȘTI / Băneasa-Aurel Vlaicu Airport, temporary changes of charges.	GEN 4.1	from: 17 APR 2025 to: 31 DEC 2027	
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AIRAC 08/25	BUCUREȘTI FIR - Beidaud 2 Wind Farm under construction	ENR 5.4, AD 2.17	from: 12 JUN 2025 to: 30 JUN 2027 EST	
AIRAC 09/25	BUCUREȘTI FIR - Siminoc Wind Farm under construction	ENR 5.4, AD 2.8	from: 10 JUL 2025 to: 31 DEC 2026 EST	
AIRAC 10/25	BUCUREȘTI FIR - Bărăganu Wind Farm under construction.	ENR 5.4, AD 2.8	from: 10 JUL 2025 to: 31 MAY 2027 EST	
AIRAC 12/25	BUCUREȘTI FIR - Cogealac Wind Farm under construction.	ENR 5.4, AD 2.8	from: 10 JUL 2025 to: 30 JUN 2027 EST	

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AIRAC 13/25	BUCUREȘTI FIR - Cilibia 1, Cilibia 2 and Gălbinași Wind Farms under construction.	ENR 5.4, AD 2.4, AD 2.5, AD 2.8	from: 02 OCT 2025 to: 31 DEC 2027 EST	
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AIRAC 16/25	BUCUREȘTI FIR - Rugăria Eolian wind farm under construction.	ENR 5.4, ENR 6-2, AD 2.2	from: 30 OCT 2025 to: 24 DEC 2025	AIRAC AIP SUP 19/25
05/25	IAȘI / Iași Airport, airport development charge.	GEN 4.1	from: 30 OCT 2025 to: 31 DEC 2025	
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AIRAC 18/25	BUCUREȘTI FIR - Cobadin Wind Farm and Pietreni Wind Farm under construction	ENR 5.4, AD 2.8	from: 27 NOV 2025 to: 30 NOV 2026 EST	
AIRAC 19/25	BUCUREȘTI FIR - Rugăria Eolian wind farm under construction.	ENR 5.4, ENR 6-2, AD 2.2	from: 25 DEC 2025 to: 31 DEC 2026 EST	

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AD 2.29-73a	02 OCT 2025	AD 3.5-4	10 JUL 2025		
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GEN 2.7 SUNRISE / SUNSET

RĂSĂRITUL / APUSUL SOARELUI

1. The tables on the following pages have been realized using the mathematical model for astronomical data used in civil aviation created by the Astronomic Institute of the Romanian Academy Bucharest. The tables include 34 civil airports and 5 civil heliports.

1.1 The times in the tables are given in UTC for beginning of civil morning twilight (TWIL FROM), sunrise (SR) sunset (SS) and end of civil evening twilight (TWIL TO) for the period JULY 2025 - JUNE 2026.

1.2 Night means the hours between the end of evening civil twilight and the beginning of morning civil twilight. Civil twilight ends in the evening when the centre of the sun's disc is 6 degrees below the horizon and begins in the morning when the centre of the sun's disc is 6 degrees below the horizon.

1. Tabelele din următoarele pagini sunt alcătuite folosind modelul matematic de calcul al datelor astronomice utilizate în aviația civilă realizat de Institutul Astronomic al Academiei Române București. Tabelele includ 34 aeroporturi civile și 5 heliporturi civile.

1.1 Orele din tabele sunt date în UTC pentru ora civilă a crepusculului de dimineață (TWIL FROM), răsăritul Soarelui (SR), apusul Soarelui (SS) și ora civilă a crepusculului de seară (TWIL TO) pentru perioada IULIE 2025 - IUNIE 2026.

1.2 Noapte înseamnă perioada dintre sfârșitul crepusculului civil și începutul răsăritului civil. Crepusculul civil se încheie seara când centrul discului soarelui este cu 6 grade sub orizont, iar răsăritul civil începe dimineața când centrul discului soarelui este cu 6 grade sub orizont.

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3. Sunrise-Sunset tables
Tabele Rasaritului-Apusul Soarelui

ARAD / Arad - LRAR
461036N 0211543E

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
JUL 1	0209	0245	1832	1908
5	0212	0248	1830	1907
9	0215	0251	1829	1904
13	0219	0254	1826	1902
17	0223	0258	1823	1858
21	0228	0303	1819	1854
25	0233	0307	1815	1849
29	0238	0312	1810	1844

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
NOV 2	0446	0516	1520	1550
6	0451	0521	1515	1545
10	0457	0527	1510	1540
14	0502	0533	1505	1536
18	0507	0538	1501	1532
22	0512	0544	1458	1529
26	0517	0549	1455	1527
30	0522	0554	1453	1525

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
MAR 2	0442	0510	1623	1652
6	0434	0503	1629	1657
10	0427	0455	1634	1703
14	0419	0447	1640	1708
18	0411	0440	1645	1714
22	0404	0432	1651	1719
26	0356	0424	1656	1725
30	0348	0416	1701	1730

AUG 2	0243	0316	1805	1838
6	0249	0321	1800	1832
10	0254	0326	1753	1825
14	0300	0331	1747	1818
18	0305	0336	1740	1811
22	0311	0341	1733	1804
26	0316	0346	1726	1756
30	0322	0351	1719	1748

DEC 4	0526	0558	1451	1523
8	0530	0602	1450	1523
12	0533	0606	1450	1523
16	0536	0609	1451	1524
20	0539	0612	1452	1525
24	0541	0614	1455	1528
28	0542	0615	1457	1530

APR 3	0340	0409	1707	1736
7	0332	0401	1712	1741
11	0324	0354	1717	1747
15	0316	0346	1723	1753
19	0309	0339	1728	1758
23	0302	0332	1733	1804
27	0254	0325	1739	1810

SEP 3	0327	0356	1711	1740
7	0332	0401	1703	1732
11	0338	0406	1656	1724
15	0343	0411	1648	1716
19	0348	0416	1640	1708
23	0353	0421	1632	1700
27	0358	0427	1624	1652

JAN 1	0543	0615	1501	1533
5	0542	0615	1505	1537
9	0542	0614	1509	1541
13	0540	0612	1514	1546
17	0538	0610	1519	1551
21	0536	0607	1525	1556
25	0532	0603	1530	1601
29	0528	0559	1536	1607

MAY 1	0248	0319	1744	1816
5	0241	0313	1749	1821
9	0235	0308	1754	1827
13	0229	0302	1759	1833
17	0224	0258	1804	1838
21	0219	0253	1809	1843
25	0215	0250	1813	1848
29	0211	0247	1817	1853

OCT 1	0403	0432	1616	1645
5	0409	0437	1609	1637
9	0414	0442	1601	1629
13	0419	0448	1554	1622
17	0424	0453	1546	1615
21	0430	0459	1539	1608
25	0435	0504	1533	1602
29	0440	0510	1526	1556

FEB 2	0524	0554	1542	1612
6	0519	0549	1548	1618
10	0514	0543	1554	1624
14	0508	0537	1600	1629
18	0502	0531	1606	1635
22	0455	0524	1612	1640
26	0449	0517	1617	1646

JUN 2	0208	0244	1821	1857
6	0206	0242	1824	1900
10	0204	0241	1827	1903
14	0204	0240	1829	1906
18	0204	0241	1831	1908
22	0204	0241	1832	1909
26	0206	0243	1832	1909
30	0208	0245	1832	1908

ARAD / Charlie-Bravo Siria - LRCB
461618N 0213622E

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
JUL 1	0207	0243	1831	1907
5	0210	0246	1829	1906
9	0213	0249	1828	1904
13	0217	0253	1825	1901
17	0222	0257	1822	1857
21	0226	0301	1818	1853
25	0231	0305	1814	1848
29	0236	0310	1809	1843

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
NOV 2	0445	0514	1519	1549
6	0450	0520	1513	1543
10	0455	0526	1508	1539
14	0501	0532	1504	1534
18	0506	0537	1459	1531
22	0511	0543	1456	1527
26	0516	0548	1453	1525
30	0521	0553	1451	1523

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
MAR 2	0440	0509	1622	1650
6	0433	0501	1627	1656
10	0425	0454	1633	1701
14	0418	0446	1638	1707
18	0410	0438	1644	1712
22	0402	0431	1649	1718
26	0354	0423	1655	1723
30	0346	0415	1700	1729

AUG 2	0242	0315	1804	1837
6	0247	0320	1758	1831
10	0253	0325	1752	1824
14	0258	0330	1746	1817
18	0304	0335	1739	1810
22	0309	0340	1732	1803
26	0315	0345	1725	1755
30	0320	0350	1718	1747

DEC 4	0525	0557	1449	1522
8	0529	0601	1449	1521
12	0532	0605	1449	1521
16	0535	0608	1449	1522
20	0538	0611	1451	1524
24	0540	0613	1453	1526
28	0541	0614	1456	1529

APR 3	0338	0407	1705	1734
7	0330	0400	1711	1740
11	0323	0352	1716	1746
15	0315	0345	1722	1751
19	0307	0338	1727	1757
23	0300	0331	1732	1803
27	0253	0324	1738	1809

SEP 3	0326	0355	1710	1739
7	0331	0400	1702	1731
11	0336	0405	1654	1723
15	0341	0410	1646	1715
19	0347	0415	1639	1707
23	0352	0420	1631	1699
27	0357	0425	1623	1651

JAN 1	0541	0614	1459	1532
5	0541	0614	1503	1536
9	0541	0613	1507	1540
13	0539	0611	1512	1544
17	0537	0609	1517	1549
21	0534	0606	1523	1554
25	0531	0602	1529	1600
29	0527	0558	1534	1605

MAY 1	0246	0318	1743	1815
5	0239	0311	1748	1820
9	0233	0306	1753	1826
13	0227	0301	1758	1832
17	0222	0256	1803	1837
21	0217	0252	1808	1842
25	0213	0248	1812	1847
29	0209	0245	1816	1852

OCT 1	0402	0430	1615	1643
5	0407	0436	1607	1636
9	0412	0441	1600	1628
13	0418	0446	1552	1621
17	0423	0452	1545	1614
21	0428	0457	1538	1607
25	0434	0503	1531	1601
29	0439	0509	1525	1554

FEB 2	0523	0553	1540	1611
6	0518	0548	1546	1616
10	0512	0542	1552	1622
14	0507	0536	1558	1628
18	0501	0530	1604	1633
22	0454	0523	1610	1639
26	0447	0516	1616	1645

JUN 2	0206	0242	1820	1856
6	0204	0240	1823	1859
10	0203	0239	1826	1903
14	0202	0239	1828	1905
18	0202	0239	1830	1907
22	0202	0240	1831	1908
26	0204	0241	1831	1908
30	0206	0243	1831	1908



BRASOV / Corona - LRCR
454051N 0254442E

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
JUL 1	0153	0229	1812	1848
5	0156	0232	1810	1846
9	0200	0235	1809	1844
13	0203	0238	1806	1841
17	0208	0242	1803	1838
21	0212	0246	1800	1834
25	0217	0251	1756	1829
29	0222	0255	1751	1824

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
NOV 2	0427	0457	1504	1533
6	0432	0502	1458	1528
10	0438	0508	1453	1523
14	0443	0513	1449	1519
18	0448	0519	1445	1515
22	0453	0524	1441	1512
26	0458	0529	1438	1510
30	0502	0534	1436	1508

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
MAR 2	0423	0452	1606	1634
6	0416	0444	1611	1639
10	0409	0437	1617	1645
14	0401	0429	1622	1650
18	0354	0422	1627	1655
22	0346	0414	1633	1701
26	0338	0406	1638	1706
30	0330	0359	1643	1712

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
AUG 2	0227	0300	1746	1818
6	0233	0305	1740	1812
10	0238	0309	1734	1806
14	0243	0314	1728	1759
18	0249	0319	1721	1752
22	0254	0324	1715	1745
26	0259	0329	1707	1737
30	0305	0334	1700	1729

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
DEC 4	0507	0539	1435	1507
8	0511	0543	1434	1506
12	0514	0546	1434	1507
16	0517	0549	1435	1507
20	0519	0552	1436	1509
24	0521	0554	1439	1511
28	0523	0555	1441	1514

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
APR 3	0323	0351	1648	1717
7	0315	0344	1654	1722
11	0307	0336	1659	1728
15	0300	0329	1704	1734
19	0252	0322	1709	1739
23	0245	0315	1714	1745
27	0238	0309	1720	1750

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
SEP 3	0310	0339	1653	1722
7	0315	0344	1645	1714
11	0320	0349	1637	1706
15	0325	0354	1630	1658
19	0330	0359	1622	1650
23	0335	0404	1614	1642
27	0341	0409	1606	1634

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
JAN 1	0523	0555	1445	1517
5	0523	0555	1449	1521
9	0522	0554	1453	1525
13	0521	0553	1458	1529
17	0519	0550	1503	1534
21	0516	0547	1508	1539
25	0513	0544	1514	1544
29	0509	0540	1520	1550

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
MAY 1	0231	0302	1725	1756
5	0225	0257	1730	1802
9	0219	0251	1735	1807
13	0213	0246	1740	1813
17	0208	0241	1745	1818
21	0203	0237	1749	1823
25	0159	0234	1753	1828
29	0156	0231	1757	1832

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
OCT 1	0346	0414	1559	1627
5	0351	0419	1551	1619
9	0356	0424	1544	1612
13	0401	0429	1536	1605
17	0406	0434	1529	1558
21	0411	0440	1522	1551
25	0416	0445	1516	1545
29	0422	0451	1510	1539

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
FEB 2	0505	0535	1525	1555
6	0500	0530	1531	1601
10	0455	0524	1537	1606
14	0449	0518	1543	1612
18	0443	0512	1549	1617
22	0437	0506	1554	1623
26	0430	0459	1600	1628

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
JUN 2	0153	0228	1801	1836
6	0151	0226	1804	1840
10	0149	0225	1807	1843
14	0148	0225	1809	1845
18	0148	0225	1811	1847
22	0149	0225	1812	1848
26	0150	0227	1812	1848
30	0153	0229	1812	1848

BRASOV / Sanpetru - LRSP
454316N 0253801E

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
JUL 1	0154	0230	1812	1848
5	0156	0232	1811	1847
9	0200	0235	1809	1845
13	0204	0239	1807	1842
17	0208	0243	1804	1838
21	0213	0247	1800	1834
25	0217	0251	1756	1830
29	0222	0255	1751	1824

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
NOV 2	0428	0457	1504	1533
6	0433	0503	1459	1528
10	0438	0508	1453	1524
14	0443	0514	1449	1519
18	0449	0519	1445	1516
22	0454	0525	1442	1513
26	0458	0530	1439	1510
30	0503	0535	1437	1508

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
MAR 2	0424	0452	1606	1634
6	0417	0445	1612	1640
10	0409	0437	1617	1645
14	0402	0430	1622	1651
18	0354	0422	1628	1656
22	0346	0415	1633	1701
26	0339	0407	1638	1707
30	0331	0359	1644	1712

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
AUG 2	0228	0300	1746	1819
6	0233	0305	1741	1813
10	0238	0310	1735	1806
14	0244	0315	1729	1759
18	0249	0320	1722	1752
22	0255	0325	1715	1745
26	0300	0330	1708	1738
30	0305	0334	1701	1730

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
DEC 4	0507	0539	1435	1507
8	0511	0543	1435	1507
12	0515	0547	1435	1507
16	0518	0550	1435	1508
20	0520	0553	1437	1509
24	0522	0554	1439	1511
28	0523	0556	1442	1514

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
APR 3	0323	0352	1649	1718
7	0315	0344	1654	1723
11	0308	0337	1659	1729
15	0300	0329	1705	1734
19	0253	0322	1710	1740
23	0245	0316	1715	1745
27	0238	0309	1720	1751

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
SEP 3	0310	0339	1653	1722
7	0316	0344	1646	1714
11	0321	0349	1638	1706
15	0326	0354	1630	1658
19	0331	0359	1622	1651
23	0336	0404	1614	1643
27	0341	0409	1607	1635

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
JAN 1	0524	0556	1445	1517
5	0524	0556	1449	1521
9	0523	0555	1453	1525
13	0522	0553	1458	1530
17	0520	0551	1503	1534
21	0517	0548	1509	1540
25	0514	0544	1514	1545
29	0510	0540	1520	1550

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
MAY 1	0232	0303	1725	1757
5	0225	0257	1730	1802
9	0219	0251	1735	1808
13	0213	0246	1740	1813
17	0208	0242	1745	1819
21	0204	0237	1750	1824
25	0159	0234	1754	1828
29	0156	0231	1758	1833

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
OCT 1	0346	0414	1559	1627
5	0351	0419	1551	1620
9	0356	0424	1544	1612
13	0401	0430	1537	1605
17	0406	0435	1530	1558
21	0412	0440	1523	1551
25	0417	0446	1516	1545
29	0422	0451	1510	1539

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
FEB 2	0506	0536	1526	1556
6	0501	0530	1532	1601
10	0456	0525	1537	1607
14	0450	0519	1543	1612
18	0444	0513	1549	1618
22	0437	0506	1555	1623
26	0431	0459	1600	1629

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
JUN 2	0153	0228	1802	1837
6	0151	0227	1805	1840
10	0149	0225	1807	1843
14	0149	0225	1810	1846
18	0149	0225	1811	1848
22	0149	0226	1812	1849
26	0151	0227	1813	1849
30	0153	0229	1812	1849



BUCURESTI / Baneasa - Aurel Vlaicu - LRBS
443013N 0260613E

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
JUL 1	0158	0233	1805	1840
5	0201	0235	1804	1839
9	0204	0238	1803	1837
13	0207	0241	1800	1834
17	0212	0245	1758	1831
21	0216	0249	1754	1827
25	0220	0253	1750	1823
29	0225	0257	1746	1818

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
NOV 2	0424	0453	1505	1533
6	0429	0458	1459	1529
10	0434	0503	1455	1524
14	0439	0509	1450	1520
18	0444	0514	1447	1517
22	0449	0519	1443	1514
26	0453	0524	1441	1511
30	0458	0529	1439	1510

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
MAR 2	0421	0449	1605	1633
6	0415	0442	1611	1638
10	0407	0435	1616	1643
14	0400	0428	1621	1648
18	0353	0420	1626	1653
22	0345	0413	1631	1659
26	0338	0406	1636	1704
30	0330	0358	1641	1709

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
AUG 2	0230	0302	1741	1813
6	0235	0306	1736	1807
10	0240	0311	1730	1801
14	0245	0316	1724	1754
18	0251	0320	1718	1747
22	0256	0325	1711	1740
26	0301	0330	1704	1733
30	0306	0334	1657	1726

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
DEC 4	0502	0533	1438	1509
8	0506	0537	1437	1508
12	0509	0541	1437	1509
16	0512	0544	1438	1509
20	0514	0546	1439	1511
24	0516	0548	1441	1513
28	0518	0549	1444	1516

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
APR 3	0323	0351	1646	1714
7	0315	0344	1651	1719
11	0308	0336	1656	1724
15	0301	0329	1701	1730
19	0254	0323	1706	1735
23	0247	0316	1711	1740
27	0240	0310	1716	1746

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
SEP 3	0311	0339	1650	1718
7	0315	0344	1643	1711
11	0320	0348	1635	1703
15	0325	0353	1628	1655
19	0330	0358	1620	1648
23	0335	0402	1613	1640
27	0339	0407	1605	1633

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
JAN 1	0518	0550	1447	1519
5	0518	0550	1451	1523
9	0518	0549	1455	1527
13	0517	0547	1500	1531
17	0515	0545	1505	1536
21	0512	0542	1510	1540
25	0509	0539	1516	1546
29	0506	0535	1521	1551

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
MAY 1	0233	0304	1721	1751
5	0227	0258	1725	1756
9	0221	0253	1730	1802
13	0216	0248	1735	1807
17	0211	0244	1739	1812
21	0207	0240	1744	1817
25	0203	0236	1748	1821
29	0200	0233	1752	1825

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
OCT 1	0344	0412	1558	1625
5	0349	0417	1550	1618
9	0354	0422	1543	1611
13	0359	0427	1536	1604
17	0404	0432	1529	1557
21	0409	0437	1523	1551
25	0414	0442	1516	1545
29	0419	0447	1510	1539

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
FEB 2	0502	0531	1527	1556
6	0457	0526	1532	1601
10	0452	0521	1538	1607
14	0447	0515	1544	1612
18	0441	0509	1549	1617
22	0435	0503	1555	1622
26	0428	0456	1600	1628

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
JUN 2	0157	0231	1755	1829
6	0155	0229	1758	1833
10	0154	0228	1801	1836
14	0153	0228	1803	1838
18	0153	0228	1804	1839
22	0154	0229	1805	1841
26	0155	0230	1806	1841
30	0157	0232	1806	1840

BUCURESTI / Henri Coanda - LROP
443416N 0260506E

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
JUL 1	0158	0232	1806	1841
5	0200	0235	1805	1839
9	0204	0238	1803	1837
13	0207	0241	1801	1835
17	0211	0245	1758	1831
21	0216	0249	1755	1828
25	0220	0253	1751	1823
29	0225	0257	1746	1818

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
NOV 2	0424	0453	1505	1533
6	0429	0458	1459	1528
10	0434	0504	1455	1524
14	0439	0509	1450	1520
18	0444	0514	1446	1517
22	0449	0519	1443	1514
26	0454	0524	1441	1511
30	0458	0529	1439	1510

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
MAR 2	0422	0449	1605	1633
6	0415	0442	1611	1638
10	0408	0435	1616	1643
14	0400	0428	1621	1648
18	0353	0420	1626	1654
22	0345	0413	1631	1659
26	0338	0406	1636	1704
30	0330	0358	1641	1709

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
AUG 2	0230	0302	1741	1813
6	0235	0306	1736	1807
10	0240	0311	1730	1801
14	0245	0315	1724	1754
18	0250	0320	1718	1748
22	0256	0325	1711	1741
26	0301	0330	1704	1733
30	0306	0334	1657	1726

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
DEC 4	0502	0533	1437	1509
8	0506	0537	1437	1508
12	0509	0541	1437	1508
16	0512	0544	1438	1509
20	0515	0546	1439	1511
24	0517	0548	1441	1513
28	0518	0550	1444	1516

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
APR 3	0323	0351	1646	1714
7	0315	0344	1651	1719
11	0308	0336	1656	1725
15	0301	0329	1701	1730
19	0253	0323	1706	1735
23	0246	0316	1711	1741
27	0240	0310	1716	1746

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
SEP 3	0311	0339	1650	1718
7	0315	0344	1643	1711
11	0320	0348	1635	1703
15	0325	0353	1628	1655
19	0330	0358	1620	1648
23	0335	0402	1613	1640
27	0340	0407	1605	1633

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
JAN 1	0519	0550	1447	1519
5	0519	0550	1451	1522
9	0518	0549	1455	1526
13	0517	0548	1500	1531
17	0515	0546	1505	1535
21	0512	0543	1510	1540
25	0509	0539	1516	1545
29	0506	0535	1521	1551

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
MAY 1	0233	0304	1721	1751
5	0227	0258	1726	1757
9	0221	0253	1730	1802
13	0216	0248	1735	1807
17	0211	0243	1740	1812
21	0207	0240	1744	1817
25	0203	0236	1748	1822
29	0159	0233	1752	1826

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
OCT 1	0344	0412	1558	1625
5	0349	0417	1550	1618
9	0354	0422	1543	1611
13	0359	0427	1536	1604
17	0404	0432	1529	1557
21	0409	0437	1523	1551
25	0414	0442	1516	1545
29	0419	0447	1510	1539

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
FEB 2	0502	0531	1527	1556
6	0457	0526	1532	1601
10	0452	0521	1538	1607
14	0447	0515	1543	1612
18	0441	0509	1549	1617
22	0435	0503	1555	1623
26	0428	0456	1600	1628

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
JUN 2	0157	0231	1755	1830
6	0155	0229	1758	1833
10	0154	0228	1801	1836
14	0153	0228	1803	1838
18	0153	0228	1805	1840
22	0153	0229	1806	1841
26	0155	0230	1806	1841
30	0157	0232	1806	1841



CARANSEBES / Banat-Caransebes - LRCS
452513N 0221508E

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO	
JUL	1	0209	0244	1824	1900
	5	0211	0247	1823	1859
	9	0215	0250	1822	1857
	13	0219	0253	1819	1854
	17	0223	0257	1816	1851
	21	0227	0301	1813	1847
	25	0232	0305	1809	1842
	29	0237	0310	1804	1837

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO	
NOV	2	0441	0510	1518	1547
	6	0446	0516	1513	1542
	10	0451	0521	1508	1538
	14	0456	0527	1503	1534
	18	0501	0532	1459	1530
	22	0506	0537	1456	1527
	26	0511	0542	1453	1525
	30	0516	0547	1451	1523

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO	
MAR	2	0437	0505	1620	1648
	6	0430	0458	1625	1653
	10	0423	0451	1631	1659
	14	0415	0443	1636	1704
	18	0408	0436	1641	1709
	22	0400	0428	1647	1715
	26	0352	0421	1652	1720
	30	0345	0413	1657	1725

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO	
AUG	2	0242	0315	1759	1831
	6	0248	0319	1753	1825
	10	0253	0324	1748	1819
	14	0258	0329	1741	1812
	18	0304	0334	1735	1805
	22	0309	0339	1728	1758
	26	0314	0344	1721	1750
	30	0319	0348	1714	1743

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO	
DEC	4	0520	0552	1450	1522
	8	0524	0556	1449	1521
	12	0527	0559	1449	1521
	16	0530	0602	1450	1522
	20	0533	0605	1451	1524
	24	0534	0607	1453	1526
	28	0536	0608	1456	1529

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO	
APR	3	0337	0405	1702	1731
	7	0329	0358	1707	1736
	11	0322	0351	1712	1741
	15	0314	0343	1718	1747
	19	0307	0336	1723	1753
	23	0300	0330	1728	1758
	27	0253	0323	1733	1804

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO	
SEP	3	0324	0353	1706	1735
	7	0330	0358	1659	1727
	11	0335	0403	1651	1720
	15	0340	0408	1643	1712
	19	0345	0413	1636	1704
	23	0350	0418	1628	1656
	27	0355	0423	1620	1648

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO	
JAN	1	0536	0608	1500	1532
	5	0536	0608	1503	1535
	9	0536	0607	1508	1540
	13	0534	0606	1513	1544
	17	0532	0603	1518	1549
	21	0530	0601	1523	1554
	25	0527	0557	1529	1559
	29	0523	0553	1534	1604

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO	
MAY	1	0246	0317	1738	1809
	5	0240	0311	1743	1815
	9	0234	0306	1748	1820
	13	0228	0301	1753	1826
	17	0223	0256	1758	1831
	21	0218	0252	1802	1836
	25	0214	0248	1806	1841
	29	0211	0245	1810	1845

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO	
OCT	1	0400	0428	1613	1641
	5	0405	0433	1605	1633
	9	0410	0438	1558	1626
	13	0415	0443	1550	1619
	17	0420	0448	1543	1612
	21	0425	0454	1537	1605
	25	0430	0459	1530	1559
	29	0435	0504	1524	1553

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO	
FEB	2	0519	0548	1540	1610
	6	0514	0543	1546	1615
	10	0509	0538	1552	1621
	14	0503	0532	1557	1626
	18	0457	0526	1603	1632
	22	0451	0519	1609	1637
	26	0444	0512	1614	1643

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO	
JUN	2	0208	0243	1814	1849
	6	0206	0241	1817	1853
	10	0204	0240	1820	1855
	14	0204	0240	1822	1858
	18	0204	0240	1824	1900
	22	0204	0241	1825	1901
	26	0206	0242	1825	1901
	30	0208	0244	1825	1901

CISNADIE / Magura - LRCD
454414N 0240955E

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO	
JUL	1	0159	0235	1818	1854
	5	0202	0238	1817	1853
	9	0206	0241	1815	1851
	13	0209	0245	1813	1848
	17	0214	0248	1810	1844
	21	0218	0252	1806	1840
	25	0223	0257	1802	1836
	29	0228	0301	1757	1830

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO	
NOV	2	0433	0503	1510	1539
	6	0439	0509	1504	1534
	10	0444	0514	1459	1529
	14	0449	0520	1455	1525
	18	0454	0525	1451	1522
	22	0459	0531	1447	1519
	26	0504	0536	1445	1516
	30	0509	0541	1442	1514

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO	
MAR	2	0430	0458	1612	1640
	6	0423	0451	1617	1646
	10	0415	0443	1623	1651
	14	0408	0436	1628	1656
	18	0400	0428	1634	1702
	22	0352	0420	1639	1707
	26	0344	0413	1644	1713
	30	0337	0405	1650	1718

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO	
AUG	2	0234	0306	1752	1825
	6	0239	0311	1747	1819
	10	0244	0316	1741	1812
	14	0250	0321	1734	1805
	18	0255	0325	1728	1758
	22	0300	0330	1721	1751
	26	0306	0335	1714	1744
	30	0311	0340	1707	1736

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO	
DEC	4	0513	0545	1441	1513
	8	0517	0549	1440	1513
	12	0520	0553	1440	1513
	16	0523	0556	1441	1514
	20	0526	0558	1443	1515
	24	0528	0600	1445	1517
	28	0529	0601	1447	1520

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO	
APR	3	0329	0357	1655	1723
	7	0321	0350	1700	1729
	11	0313	0343	1705	1734
	15	0306	0335	1710	1740
	19	0258	0328	1716	1746
	23	0251	0321	1721	1751
	27	0244	0315	1726	1757

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO	
SEP	3	0316	0345	1659	1728
	7	0321	0350	1651	1720
	11	0327	0355	1644	1712
	15	0332	0400	1636	1704
	19	0337	0405	1628	1656
	23	0342	0410	1620	1649
	27	0347	0415	1613	1641

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO	
JAN	1	0530	0602	1451	1523
	5	0530	0602	1455	1527
	9	0529	0601	1459	1531
	13	0528	0559	1504	1535
	17	0525	0557	1509	1540
	21	0523	0554	1514	1545
	25	0520	0550	1520	1551
	29	0516	0546	1526	1556

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO	
MAY	1	0237	0309	1731	1803
	5	0231	0303	1736	1808
	9	0225	0257	1741	1814
	13	0219	0252	1746	1819
	17	0214	0247	1751	1825
	21	0209	0243	1756	1830
	25	0205	0240	1800	1834
	29	0202	0237	1804	1839

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO	
OCT	1	0352	0420	1605	1633
	5	0357	0425	1557	1625
	9	0402	0430	1550	1618
	13	0407	0436	1543	1611
	17	0412	0441	1535	1604
	21	0418	0446	1529	1557
	25	0423	0452	1522	1551
	29	0428	0457	1516	1545

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO	
FEB	2	0512	0542	1532	1601
	6	0507	0536	1537	1607
	10	0501	0531	1543	1613
	14	0456	0525	1549	1618
	18	0450	0519	1555	1624
	22	0443	0512	1601	1629
	26	0437	0505	1606	1635

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO	
JUN	2	0159	0234	1807	1843
	6	0157	0232	1811	1846
	10	0155	0231	1813	1849
	14	0154	0231	1816	1852
	18	0154	0231	1817	1854
	22	0155	0232	1818	1855
	26	0157	0233	1819	185



CLINCENI / Clinceni - LRCN
442130N 0255550E

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
JUL 1	0159	0234	1806	1840
5	0202	0236	1805	1839
9	0205	0239	1803	1837
13	0209	0243	1801	1834
17	0213	0246	1758	1831
21	0217	0250	1754	1827
25	0222	0254	1751	1823
29	0227	0258	1746	1818

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
NOV 2	0424	0453	1506	1534
6	0429	0458	1500	1529
10	0434	0504	1456	1525
14	0439	0509	1451	1521
18	0444	0514	1448	1518
22	0449	0519	1444	1515
26	0454	0524	1442	1512
30	0458	0529	1440	1511

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
MAR 2	0422	0450	1606	1634
6	0415	0443	1611	1639
10	0408	0436	1616	1644
14	0401	0428	1622	1649
18	0354	0421	1627	1654
22	0346	0414	1632	1659
26	0339	0406	1637	1704
30	0331	0359	1642	1709

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
AUG 2	0231	0303	1741	1813
6	0236	0307	1736	1807
10	0241	0312	1730	1801
14	0247	0317	1724	1754
18	0252	0321	1718	1748
22	0257	0326	1711	1741
26	0302	0330	1705	1733
30	0307	0335	1658	1726

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
DEC 4	0502	0533	1439	1510
8	0506	0537	1438	1509
12	0509	0541	1438	1510
16	0512	0544	1439	1511
20	0515	0546	1441	1512
24	0517	0548	1443	1514
28	0518	0549	1445	1517

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
APR 3	0324	0352	1646	1714
7	0316	0344	1651	1720
11	0309	0337	1656	1725
15	0302	0330	1701	1730
19	0255	0324	1706	1735
23	0248	0317	1711	1741
27	0241	0311	1716	1746

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
SEP 3	0311	0340	1650	1719
7	0316	0344	1643	1711
11	0321	0349	1636	1704
15	0326	0354	1628	1656
19	0331	0358	1621	1648
23	0335	0403	1613	1641
27	0340	0408	1606	1633

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
JAN 1	0519	0550	1449	1520
5	0519	0550	1452	1524
9	0518	0549	1457	1528
13	0517	0548	1501	1532
17	0515	0545	1506	1537
21	0513	0543	1511	1541
25	0510	0539	1517	1547
29	0506	0536	1522	1552

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
MAY 1	0235	0305	1721	1751
5	0228	0259	1726	1757
9	0223	0254	1730	1802
13	0217	0249	1735	1807
17	0212	0245	1740	1812
21	0208	0241	1744	1817
25	0204	0237	1748	1821
29	0201	0235	1752	1825

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
OCT 1	0345	0412	1558	1626
5	0350	0417	1551	1619
9	0355	0422	1544	1611
13	0359	0427	1537	1605
17	0404	0432	1530	1558
21	0409	0437	1523	1551
25	0414	0442	1517	1545
29	0419	0448	1511	1540

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
FEB 2	0502	0531	1528	1557
6	0457	0526	1533	1602
10	0452	0521	1539	1607
14	0447	0515	1544	1613
18	0441	0509	1550	1618
22	0435	0503	1555	1623
26	0429	0456	1601	1629

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
JUN 2	0158	0232	1755	1829
6	0156	0231	1758	1833
10	0155	0230	1801	1835
14	0154	0229	1803	1838
18	0154	0229	1805	1839
22	0155	0230	1806	1840
26	0156	0231	1806	1841
30	0158	0233	1806	1840

CLUJ NAPOCA / Avram Iancu - LRCL
464721N 0234132E

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
JUL 1	0156	0233	1824	1902
5	0159	0236	1823	1900
9	0202	0239	1821	1858
13	0206	0242	1819	1855
17	0211	0246	1816	1851
21	0215	0251	1812	1847
25	0221	0255	1807	1842
29	0226	0300	1803	1837

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
NOV 2	0437	0507	1509	1540
6	0443	0513	1504	1534
10	0448	0519	1458	1529
14	0453	0525	1454	1525
18	0459	0530	1450	1521
22	0504	0536	1446	1518
26	0509	0541	1443	1515
30	0514	0546	1441	1513

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
MAR 2	0432	0501	1613	1642
6	0425	0453	1619	1647
10	0417	0446	1624	1653
14	0409	0438	1630	1659
18	0401	0430	1636	1704
22	0353	0422	1641	1710
26	0345	0414	1647	1715
30	0337	0406	1652	1721

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
AUG 2	0231	0305	1757	1831
6	0237	0310	1752	1824
10	0243	0315	1745	1818
14	0248	0320	1739	1810
18	0254	0325	1732	1803
22	0300	0330	1725	1756
26	0305	0335	1717	1748
30	0311	0341	1710	1740

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
DEC 4	0518	0551	1439	1512
8	0522	0555	1438	1511
12	0526	0559	1438	1512
16	0529	0602	1439	1512
20	0531	0604	1440	1514
24	0533	0606	1442	1516
28	0534	0607	1445	1519

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
APR 3	0329	0358	1658	1727
7	0321	0351	1703	1733
11	0313	0343	1709	1738
15	0305	0336	1714	1744
19	0258	0328	1720	1750
23	0250	0321	1725	1756
27	0243	0314	1730	1802

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
SEP 3	0316	0346	1702	1732
7	0322	0351	1654	1724
11	0327	0356	1646	1716
15	0332	0401	1638	1707
19	0338	0407	1630	1659
23	0343	0412	1622	1651
27	0348	0417	1614	1643

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
JAN 1	0535	0608	1449	1522
5	0535	0607	1453	1526
9	0534	0606	1457	1530
13	0532	0605	1502	1535
17	0530	0602	1507	1540
21	0527	0559	1513	1545
25	0524	0555	1519	1550
29	0520	0551	1525	1556

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
MAY 1	0236	0308	1736	1808
5	0229	0302	1741	1814
9	0223	0256	1746	1820
13	0217	0251	1752	1825
17	0211	0246	1756	1831
21	0206	0241	1801	1836
25	0202	0238	1806	1841
29	0158	0234	1810	1846

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
OCT 1	0354	0422	1606	1635
5	0359	0428	1559	1627
9	0404	0433	1551	1620
13	0410	0439	1543	1612
17	0415	0444	1536	1605
21	0421	0450	1529	1558
25	0426	0456	1522	1552
29	0432	0501	1516	1545

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
FEB 2	0515	0546	1531	1601
6	0510	0541	1537	1607
10	0505	0535	1543	1613
14	0459	0529	1549	1619
18	0453	0522	1555	1624
22	0446	0515	1601	1630
26	0439	0508	1607	1636

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
JUN 2	0155	0232	1814	1850
6	0153	0230	1817	1854
10	0151	0229	1820	1857
14	0151	0228	1822	1859
18	0151	0228	1824	1901
22	0151	0229	1825	1902
26	0153	0230	1825	1903
30	0155	0232	1825	1902



CONSTANTA / Mihail Kogalniceanu-Constanta - LRCK
442144N 0282918E

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO	
JUL	1	0149	0224	1755	1830
	5	0152	0226	1754	1829
	9	0155	0229	1753	1827
	13	0159	0232	1750	1824
	17	0203	0236	1748	1821
	21	0207	0240	1744	1817
	25	0211	0244	1740	1813
	29	0216	0248	1736	1808

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO	
NOV	2	0414	0443	1455	1524
	6	0419	0448	1450	1519
	10	0424	0454	1445	1515
	14	0429	0459	1441	1511
	18	0434	0504	1437	1507
	22	0439	0509	1434	1505
	26	0444	0514	1432	1502
	30	0448	0519	1430	1501

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO	
MAR	2	0412	0439	1556	1623
	6	0405	0433	1601	1629
	10	0358	0425	1606	1634
	14	0351	0418	1611	1639
	18	0343	0411	1616	1644
	22	0336	0403	1621	1649
	26	0328	0356	1626	1654
	30	0321	0349	1631	1659

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO	
AUG	2	0221	0253	1731	1802
	6	0226	0257	1726	1757
	10	0231	0302	1720	1751
	14	0236	0306	1714	1744
	18	0241	0311	1708	1737
	22	0246	0316	1701	1730
	26	0251	0320	1654	1723
	30	0256	0325	1647	1716

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO	
DEC	4	0452	0523	1428	1500
	8	0456	0527	1428	1459
	12	0459	0531	1428	1459
	16	0502	0534	1429	1500
	20	0505	0536	1430	1502
	24	0506	0538	1432	1504
	28	0508	0539	1435	1507

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO	
APR	3	0313	0341	1636	1704
	7	0306	0334	1641	1709
	11	0259	0327	1646	1715
	15	0251	0320	1651	1720
	19	0244	0313	1656	1725
	23	0237	0307	1701	1730
	27	0231	0301	1706	1736

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO	
SEP	3	0301	0330	1640	1708
	7	0306	0334	1633	1701
	11	0311	0339	1625	1653
	15	0316	0343	1618	1646
	19	0320	0348	1610	1638
	23	0325	0353	1603	1630
	27	0330	0357	1556	1623

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO	
JAN	1	0508	0540	1438	1510
	5	0508	0540	1442	1513
	9	0508	0539	1446	1517
	13	0507	0537	1451	1522
	17	0505	0535	1456	1526
	21	0502	0533	1501	1531
	25	0459	0529	1506	1536
	29	0456	0525	1512	1541

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO	
MAY	1	0224	0255	1711	1741
	5	0218	0249	1716	1746
	9	0212	0244	1720	1752
	13	0207	0239	1725	1757
	17	0202	0235	1729	1802
	21	0158	0231	1734	1806
	25	0154	0227	1738	1811
	29	0151	0224	1742	1815

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO	
OCT	1	0335	0402	1548	1616
	5	0340	0407	1541	1608
	9	0344	0412	1534	1601
	13	0349	0417	1527	1554
	17	0354	0422	1520	1548
	21	0359	0427	1513	1541
	25	0404	0432	1507	1535
	29	0409	0437	1501	1529

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO	
FEB	2	0452	0521	1517	1547
	6	0447	0516	1523	1552
	10	0442	0511	1529	1557
	14	0437	0505	1534	1603
	18	0431	0459	1540	1608
	22	0425	0453	1545	1613
	26	0419	0446	1551	1618

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO	
JUN	2	0148	0222	1745	1819
	6	0146	0220	1748	1822
	10	0145	0219	1751	1825
	14	0144	0219	1753	1828
	18	0144	0219	1754	1829
	22	0145	0220	1755	1830
	26	0146	0221	1756	1831
	30	0148	0223	1756	1830

CRAIOVA / Craiova - LRCV
441905N 0235319E

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO	
JUL	1	0208	0242	1814	1848
	5	0210	0245	1813	1847
	9	0214	0248	1811	1845
	13	0217	0251	1809	1842
	17	0221	0254	1806	1839
	21	0226	0258	1803	1835
	25	0230	0302	1759	1831
	29	0235	0307	1754	1826

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO	
NOV	2	0432	0501	1514	1543
	6	0437	0506	1509	1538
	10	0443	0512	1504	1533
	14	0448	0517	1500	1529
	18	0452	0522	1456	1526
	22	0457	0527	1453	1523
	26	0502	0532	1450	1521
	30	0506	0537	1448	1519

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO	
MAR	2	0430	0458	1614	1642
	6	0423	0451	1620	1647
	10	0416	0444	1625	1652
	14	0409	0437	1630	1657
	18	0402	0429	1635	1702
	22	0354	0422	1640	1707
	26	0347	0414	1645	1712
	30	0339	0407	1650	1717

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO	
AUG	2	0240	0311	1749	1821
	6	0245	0316	1744	1815
	10	0250	0320	1738	1809
	14	0255	0325	1732	1802
	18	0300	0329	1726	1756
	22	0305	0334	1720	1749
	26	0310	0339	1713	1742
	30	0315	0343	1706	1734

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO	
DEC	4	0510	0541	1447	1518
	8	0514	0545	1446	1518
	12	0517	0549	1447	1518
	16	0520	0552	1447	1519
	20	0523	0554	1449	1520
	24	0525	0556	1451	1522
	28	0526	0557	1454	1525

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO	
APR	3	0332	0400	1655	1723
	7	0324	0353	1700	1728
	11	0317	0346	1704	1733
	15	0310	0339	1709	1738
	19	0303	0332	1714	1743
	23	0256	0325	1719	1749
	27	0249	0319	1724	1754

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO	
SEP	3	0320	0348	1659	1727
	7	0325	0353	1651	1719
	11	0329	0357	1644	1712
	15	0334	0402	1636	1704
	19	0339	0406	1629	1656
	23	0344	0411	1621	1649
	27	0348	0416	1614	1641

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO	
JAN	1	0527	0558	1457	1528
	5	0527	0558	1501	1532
	9	0526	0557	1505	1536
	13	0525	0556	1510	1540
	17	0523	0554	1514	1545
	21	0521	0551	1520	1550
	25	0518	0547	1525	1555
	29	0514	0544	1530	1600

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO	
MAY	1	0243	0313	1729	1759
	5	0237	0307	1734	1805
	9	0231	0302	1739	1810
	13	0226	0257	1743	1815
	17	0221	0253	1748	1820
	21	0216	0249	1752	1825
	25	0213	0246	1756	1829
	29	0209	0243	1800	1833

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO	
OCT	1	0353	0421	1607	1634
	5	0358	0425	1559	1627
	9	0403	0430	1552	1620
	13	0408	0435	1545	1613
	17	0412	0440	1538	1606
	21	0417	0445	1532	1600
	25	0422	0451	1525	1554
	29	0427	0456	1519	1548

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO	
FEB	2	0510	0539	1536	1605
	6	0506	0534	1542	1610
	10	0501	0529	1547	1616
	14	0455	0523	1553	1621
	18	0449	0517	1558	1626
	22	0443	0511	1604	1632
	26	0437	0505	1609	1637

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO	
JUN	2	0207	0241	1803	1837
	6	0205	0239	1806	1841
	10	0203	0238	1809	1843
	14	0203	0238	1811	1846
	18	0203	0238	1813	1847
	22	0203	0238	1814	1848
	26	0205	0240	1814	



CRAIOVA / Craiova – Sud - LRCW
441711N 0234728E

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
JUL 1	0208	0243	1814	1848
5	0211	0245	1813	1847
9	0214	0248	1811	1845
13	0218	0251	1809	1843
17	0222	0255	1806	1839
21	0226	0259	1803	1836
25	0231	0303	1759	1831
29	0235	0307	1754	1826

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
NOV 2	0433	0501	1514	1543
6	0438	0507	1509	1538
10	0443	0512	1504	1534
14	0448	0517	1500	1530
18	0453	0523	1456	1526
22	0458	0528	1453	1523
26	0502	0533	1451	1521
30	0507	0537	1449	1520

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
MAR 2	0431	0458	1615	1642
6	0424	0451	1620	1647
10	0417	0444	1625	1652
14	0410	0437	1630	1658
18	0402	0430	1635	1703
22	0355	0422	1640	1708
26	0347	0415	1645	1713
30	0340	0408	1650	1718

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
AUG 2	0240	0312	1750	1821
6	0245	0316	1744	1815
10	0250	0321	1739	1809
14	0255	0325	1733	1803
18	0300	0330	1726	1756
22	0305	0335	1720	1749
26	0310	0339	1713	1742
30	0315	0344	1706	1735

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
DEC 4	0511	0542	1448	1519
8	0514	0546	1447	1518
12	0518	0549	1447	1518
16	0521	0552	1448	1519
20	0523	0555	1449	1521
24	0525	0557	1451	1523
28	0526	0558	1454	1526

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
APR 3	0332	0400	1655	1723
7	0325	0353	1700	1728
11	0318	0346	1705	1733
15	0310	0339	1710	1738
19	0303	0332	1715	1744
23	0256	0326	1720	1749
27	0250	0320	1724	1754

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
SEP 3	0320	0348	1659	1727
7	0325	0353	1652	1720
11	0330	0358	1644	1712
15	0335	0402	1637	1704
19	0339	0407	1629	1657
23	0344	0412	1622	1649
27	0349	0416	1614	1642

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
JAN 1	0527	0558	1457	1529
5	0527	0558	1501	1532
9	0526	0557	1505	1536
13	0525	0556	1510	1541
17	0523	0554	1515	1545
21	0521	0551	1520	1550
25	0518	0548	1525	1555
29	0514	0544	1531	1600

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
MAY 1	0243	0314	1729	1800
5	0237	0308	1734	1805
9	0231	0303	1739	1810
13	0226	0258	1743	1815
17	0221	0254	1748	1820
21	0217	0250	1752	1825
25	0213	0246	1756	1829
29	0210	0243	1800	1834

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
OCT 1	0354	0421	1607	1634
5	0358	0426	1600	1627
9	0403	0431	1552	1620
13	0408	0436	1545	1613
17	0413	0441	1539	1606
21	0418	0446	1532	1600
25	0423	0451	1526	1554
29	0428	0456	1520	1548

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
FEB 2	0510	0540	1536	1606
6	0506	0535	1542	1611
10	0501	0529	1548	1616
14	0456	0524	1553	1621
18	0450	0518	1559	1627
22	0444	0512	1604	1632
26	0437	0505	1609	1637

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
JUN 2	0207	0241	1804	1837
6	0205	0240	1807	1841
10	0204	0238	1809	1844
14	0203	0238	1811	1846
18	0203	0238	1813	1848
22	0204	0239	1814	1849
26	0205	0240	1814	1849
30	0207	0242	1814	1849

DEVA / Saulesti-Constantin Manolache - LRDV
455159N 0225758E

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
JUL 1	0203	0240	1823	1900
5	0206	0242	1822	1858
9	0210	0245	1820	1856
13	0214	0249	1818	1853
17	0218	0253	1815	1850
21	0223	0257	1811	1846
25	0227	0301	1807	1841
29	0233	0306	1803	1836

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
NOV 2	0438	0508	1514	1544
6	0444	0514	1509	1539
10	0449	0519	1504	1534
14	0454	0525	1459	1530
18	0500	0530	1455	1526
22	0505	0536	1452	1523
26	0509	0541	1449	1521
30	0514	0546	1447	1519

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
MAR 2	0435	0503	1617	1645
6	0427	0456	1622	1650
10	0420	0448	1628	1656
14	0412	0441	1633	1701
18	0405	0433	1638	1707
22	0357	0425	1644	1712
26	0349	0417	1649	1717
30	0341	0410	1654	1723

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
AUG 2	0238	0310	1757	1830
6	0243	0315	1752	1824
10	0249	0320	1746	1817
14	0254	0325	1740	1811
18	0259	0330	1733	1803
22	0305	0335	1726	1756
26	0310	0340	1719	1749
30	0316	0345	1712	1741

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
DEC 4	0518	0550	1445	1518
8	0522	0555	1445	1517
12	0526	0558	1445	1517
16	0529	0601	1445	1518
20	0531	0604	1447	1520
24	0533	0606	1449	1522
28	0534	0607	1452	1524

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
APR 3	0333	0402	1700	1728
7	0326	0355	1705	1734
11	0318	0347	1710	1739
15	0310	0340	1715	1745
19	0303	0333	1721	1751
23	0256	0326	1726	1756
27	0248	0319	1731	1802

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
SEP 3	0321	0350	1704	1733
7	0326	0355	1656	1725
11	0331	0400	1649	1717
15	0336	0405	1641	1709
19	0341	0410	1633	1701
23	0346	0415	1625	1653
27	0352	0420	1617	1646

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
JAN 1	0535	0607	1455	1528
5	0535	0607	1459	1531
9	0534	0606	1503	1535
13	0533	0604	1508	1540
17	0531	0602	1513	1545
21	0528	0559	1519	1550
25	0525	0555	1524	1555
29	0521	0551	1530	1601

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
MAY 1	0242	0313	1736	1808
5	0235	0307	1742	1813
9	0229	0302	1747	1819
13	0223	0256	1752	1825
17	0218	0252	1756	1830
21	0214	0248	1801	1835
25	0209	0244	1805	1840
29	0206	0241	1809	1844

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
OCT 1	0357	0425	1610	1638
5	0402	0430	1602	1630
9	0407	0435	1554	1623
13	0412	0440	1547	1616
17	0417	0446	1540	1609
21	0423	0451	1533	1602
25	0428	0457	1527	1556
29	0433	0502	1520	1550

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
FEB 2	0517	0547	1536	1606
6	0512	0541	1542	1612
10	0506	0536	1548	1617
14	0501	0530	1554	1623
18	0455	0524	1559	1628
22	0448	0517	1605	1634
26	0442	0510	1611	1639

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
JUN 2	0203	0239	1813	1848
6	0201	0237	1816	1852
10	0159	0236	1819	1855
14	0159	0235	1821	1857
18	0159	0235	1823	1859
22	0159	0236	1824	1900
26	0201	0237	1824	1900
30	0203	0239	1824	1900



DEZMIR / Dezmir - LRCJ
464645N 0234243E

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
JUL	1	0156	0233	1824
	5	0159	0236	1823
	9	0202	0239	1821
	13	0206	0242	1819
	17	0211	0246	1815
	21	0215	0251	1812
	25	0221	0255	1807
	29	0226	0300	1803

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
NOV	2	0437	0507	1509
	6	0442	0513	1504
	10	0448	0519	1458
	14	0453	0525	1454
	18	0459	0530	1449
	22	0504	0536	1446
	26	0509	0541	1443
	30	0514	0546	1441

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
MAR	2	0432	0501	1613
	6	0425	0453	1619
	10	0417	0446	1624
	14	0409	0438	1630
	18	0401	0430	1635
	22	0353	0422	1641
	26	0345	0414	1647
	30	0337	0406	1652

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
AUG	2	0231	0305	1757
	6	0237	0310	1751
	10	0243	0315	1745
	14	0248	0320	1739
	18	0254	0325	1732
	22	0300	0330	1725
	26	0305	0335	1717
	30	0311	0341	1710

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
DEC	4	0518	0551	1439
	8	0522	0555	1438
	12	0525	0559	1438
	16	0528	0602	1439
	20	0531	0604	1440
	24	0533	0606	1442
	28	0534	0607	1445

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
APR	3	0329	0358	1658
	7	0321	0351	1703
	11	0313	0343	1708
	15	0305	0335	1714
	19	0258	0328	1719
	23	0250	0321	1725
	27	0243	0314	1730

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
SEP	3	0316	0346	1702
	7	0322	0351	1654
	11	0327	0356	1646
	15	0332	0401	1638
	19	0338	0406	1630
	23	0343	0412	1622
	27	0348	0417	1614

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
JAN	1	0535	0608	1449
	5	0534	0607	1453
	9	0534	0606	1457
	13	0532	0605	1502
	17	0530	0602	1507
	21	0527	0559	1513
	25	0524	0555	1519
	29	0520	0551	1525

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
MAY	1	0236	0308	1736
	5	0229	0302	1741
	9	0223	0256	1746
	13	0217	0251	1751
	17	0211	0246	1756
	21	0206	0241	1801
	25	0202	0238	1806
	29	0158	0234	1810

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
OCT	1	0354	0422	1606
	5	0359	0428	1558
	9	0404	0433	1551
	13	0410	0438	1543
	17	0415	0444	1536
	21	0420	0450	1529
	25	0426	0455	1522
	29	0431	0501	1515

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
FEB	2	0515	0546	1531
	6	0510	0541	1537
	10	0505	0535	1543
	14	0459	0529	1549
	18	0453	0522	1555
	22	0446	0515	1601
	26	0439	0508	1607

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
JUN	2	0155	0232	1813
	6	0153	0230	1817
	10	0151	0229	1820
	14	0151	0228	1822
	18	0151	0228	1823
	22	0151	0229	1824
	26	0153	0230	1825
	30	0155	0232	1825

GHEORGHENI / Remetea - LRHR
464909N 0252442E

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
JUL	1	0149	0226	1818
	5	0152	0229	1816
	9	0155	0232	1815
	13	0159	0235	1812
	17	0204	0239	1809
	21	0208	0244	1805
	25	0214	0248	1801
	29	0219	0253	1756

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
NOV	2	0430	0500	1502
	6	0436	0506	1457
	10	0441	0512	1452
	14	0447	0518	1447
	18	0452	0524	1443
	22	0457	0529	1439
	26	0502	0534	1436
	30	0507	0539	1434

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
MAR	2	0425	0454	1606
	6	0418	0446	1612
	10	0410	0439	1617
	14	0402	0431	1623
	18	0354	0423	1629
	22	0346	0415	1634
	26	0338	0407	1640
	30	0330	0359	1645

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
AUG	2	0224	0258	1751
	6	0230	0303	1745
	10	0236	0308	1739
	14	0241	0313	1732
	18	0247	0318	1725
	22	0253	0323	1718
	26	0258	0329	1711
	30	0304	0334	1703

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
DEC	4	0511	0544	1432
	8	0515	0548	1431
	12	0519	0552	1431
	16	0522	0555	1432
	20	0524	0558	1433
	24	0526	0600	1435
	28	0527	0601	1438

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
APR	3	0322	0352	1651
	7	0314	0344	1656
	11	0306	0336	1702
	15	0258	0329	1707
	19	0251	0321	1713
	23	0243	0314	1718
	27	0236	0307	1724

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
SEP	3	0309	0339	1655
	7	0315	0344	1648
	11	0320	0349	1640
	15	0325	0354	1632
	19	0331	0400	1624
	23	0336	0405	1615
	27	0341	0410	1607

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
JAN	1	0528	0601	1442
	5	0528	0601	1446
	9	0527	0600	1450
	13	0525	0558	1455
	17	0523	0555	1500
	21	0520	0552	1506
	25	0517	0548	1512
	29	0513	0544	1518

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
MAY	1	0229	0301	1729
	5	0222	0255	1734
	9	0216	0249	1740
	13	0210	0244	1745
	17	0204	0239	1750
	21	0159	0234	1754
	25	0155	0231	1759
	29	0151	0228	1803

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
OCT	1	0347	0415	1600
	5	0352	0421	1552
	9	0357	0426	1544
	13	0403	0432	1536
	17	0408	0437	1529
	21	0414	0443	1522
	25	0419	0449	1515
	29	0425	0454	1509

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
FEB	2	0509	0539	1524
	6	0504	0534	1530
	10	0458	0528	1536
	14	0452	0522	1542
	18	0446	0515	1548
	22	0439	0508	1554
	26	0432	0501	1600

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
JUN	2	0148	0225	1807
	6	0146	0223	1810
	10	0144	0222	1813
	14	0144	0221	1815
	18	0143	0221	1817
	22	0144	0222	1818
	26	0146	0223	1818
	30	0148	0225	1818



GHIMBAV / IAR BRASOV - LRBG
454145N 0253202E

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
JUL 1	0154	0230	1812	1849
5	0157	0233	1811	1847
9	0200	0236	1810	1845
13	0204	0239	1807	1842
17	0208	0243	1804	1839
21	0213	0247	1801	1835
25	0218	0251	1756	1830
29	0223	0256	1752	1825

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
NOV 2	0428	0457	1504	1534
6	0433	0503	1459	1529
10	0439	0509	1454	1524
14	0444	0514	1449	1520
18	0449	0520	1445	1516
22	0454	0525	1442	1513
26	0459	0530	1439	1511
30	0503	0535	1437	1509

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
MAR 2	0424	0452	1606	1635
6	0417	0445	1612	1640
10	0410	0438	1617	1646
14	0402	0430	1623	1651
18	0355	0423	1628	1656
22	0347	0415	1634	1702
26	0339	0407	1639	1707
30	0331	0400	1644	1712

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
AUG 2	0228	0301	1747	1819
6	0234	0305	1741	1813
10	0239	0310	1735	1807
14	0244	0315	1729	1800
18	0250	0320	1722	1753
22	0255	0325	1715	1745
26	0300	0330	1708	1738
30	0306	0335	1701	1730

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
DEC 4	0508	0540	1436	1508
8	0511	0544	1435	1507
12	0515	0547	1435	1507
16	0518	0550	1436	1508
20	0520	0553	1437	1510
24	0522	0555	1439	1512
28	0523	0556	1442	1515

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
APR 3	0323	0352	1649	1718
7	0316	0345	1654	1723
11	0308	0337	1700	1729
15	0300	0330	1705	1734
19	0253	0323	1710	1740
23	0246	0316	1715	1746
27	0239	0310	1721	1751

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
SEP 3	0311	0340	1654	1723
7	0316	0345	1646	1715
11	0321	0350	1638	1707
15	0326	0355	1630	1659
19	0331	0359	1623	1651
23	0336	0404	1615	1643
27	0341	0409	1607	1635

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
JAN 1	0524	0556	1445	1518
5	0524	0556	1449	1521
9	0523	0555	1454	1526
13	0522	0554	1459	1530
17	0520	0551	1504	1535
21	0517	0548	1509	1540
25	0514	0545	1515	1545
29	0510	0541	1520	1551

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
MAY 1	0232	0303	1726	1757
5	0226	0257	1731	1803
9	0220	0252	1736	1808
13	0214	0247	1741	1814
17	0209	0242	1745	1819
21	0204	0238	1750	1824
25	0200	0234	1754	1829
29	0156	0231	1758	1833

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
OCT 1	0346	0414	1559	1628
5	0351	0420	1552	1620
9	0357	0425	1544	1613
13	0402	0430	1537	1605
17	0407	0435	1530	1558
21	0412	0441	1523	1552
25	0417	0446	1517	1545
29	0423	0452	1510	1540

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
FEB 2	0506	0536	1526	1556
6	0501	0531	1532	1602
10	0456	0525	1538	1607
14	0450	0519	1544	1613
18	0444	0513	1549	1618
22	0438	0506	1555	1624
26	0431	0500	1601	1629

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
JUN 2	0154	0229	1802	1837
6	0151	0227	1805	1841
10	0150	0226	1808	1844
14	0149	0225	1810	1846
18	0149	0226	1812	1848
22	0150	0226	1813	1849
26	0151	0228	1813	1849
30	0153	0229	1813	1849

GHIMBAV / MIR AERO-Brasov - LRMA
454114N 0253137E

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
JUL 1	0154	0230	1812	1848
5	0157	0233	1811	1847
9	0200	0236	1810	1845
13	0204	0239	1807	1842
17	0209	0243	1804	1839
21	0213	0247	1801	1835
25	0218	0251	1756	1830
29	0223	0256	1752	1825

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
NOV 2	0428	0457	1504	1534
6	0433	0503	1459	1529
10	0439	0509	1454	1524
14	0444	0514	1449	1520
18	0449	0520	1445	1516
22	0454	0525	1442	1513
26	0459	0530	1439	1511
30	0503	0535	1437	1509

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
MAR 2	0424	0453	1607	1635
6	0417	0445	1612	1640
10	0410	0438	1618	1646
14	0402	0430	1623	1651
18	0355	0423	1628	1656
22	0347	0415	1634	1702
26	0339	0407	1639	1707
30	0331	0400	1644	1712

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
AUG 2	0228	0301	1747	1819
6	0234	0305	1741	1813
10	0239	0310	1735	1807
14	0244	0315	1729	1800
18	0250	0320	1722	1753
22	0255	0325	1715	1745
26	0300	0330	1708	1738
30	0306	0335	1701	1730

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
DEC 4	0508	0540	1436	1508
8	0511	0544	1435	1507
12	0515	0547	1435	1507
16	0518	0550	1436	1508
20	0520	0553	1437	1510
24	0522	0555	1439	1512
28	0523	0556	1442	1515

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
APR 3	0323	0352	1649	1718
7	0316	0345	1654	1723
11	0308	0337	1700	1729
15	0300	0330	1705	1734
19	0253	0323	1710	1740
23	0246	0316	1715	1746
27	0239	0310	1721	1751

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
SEP 3	0311	0340	1654	1723
7	0316	0345	1646	1715
11	0321	0350	1638	1707
15	0326	0355	1631	1659
19	0331	0400	1623	1651
23	0336	0404	1615	1643
27	0341	0409	1607	1635

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
JAN 1	0524	0556	1446	1518
5	0524	0556	1449	1522
9	0523	0555	1454	1526
13	0522	0554	1459	1530
17	0520	0551	1504	1535
21	0517	0548	1509	1540
25	0514	0545	1515	1545
29	0510	0541	1520	1551

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
MAY 1	0232	0303	1726	1757
5	0226	0257	1731	1803
9	0220	0252	1736	1808
13	0214	0247	1741	1814
17	0209	0242	1745	1819
21	0204	0238	1750	1824
25	0200	0234	1754	1829
29	0156	0231	1758	1833

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
OCT 1	0346	0415	1559	1628
5	0352	0420	1552	1620
9	0357	0425	1544	1613
13	0402	0430	1537	1605
17	0407	0435	1530	1559
21	0412	0441	1523	1552
25	0417	0446	1517	1546
29	0423	0452	1510	1540

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
FEB 2	0506	0536	1526	1556
6	0501	0531	1532	1602
10	0456	0525	1538	1607
14	0450	0519	1544	1613
18	0444	0513	1550	1618
22	0438	0506	1555	1624
26	0431	0500	1601	1629

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
JUN 2	0154	0229	1802	1837
6	0151	0227	1805	1841
10	0150	0226	1808	1844
14	0149	0225	1810	1846
18	0149	0226	1812	1848
22	0150	0226	1813	1849
26	0151	0228	1813	1849
30	0153	0230	1813	1849



GRADISTEA / Gradistea - LRBA
441330N 0260717E

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
JUL	1	0159	0234	1839
	5	0202	0236	1838
	9	0205	0239	1836
	13	0209	0242	1833
	17	0213	0246	1830
	21	0217	0250	1826
	25	0221	0254	1822
	29	0226	0258	1817

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
NOV	2	0423	0452	1534
	6	0428	0457	1529
	10	0433	0503	1524
	14	0438	0508	1521
	18	0443	0513	1517
	22	0448	0518	1514
	26	0453	0523	1512
	30	0457	0528	1510

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
MAR	2	0421	0449	1605
	6	0414	0442	1611
	10	0407	0435	1616
	14	0400	0428	1621
	18	0353	0420	1626
	22	0346	0413	1631
	26	0338	0406	1636
	30	0331	0358	1641

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
AUG	2	0231	0302	1740
	6	0236	0307	1735
	10	0241	0311	1729
	14	0246	0316	1723
	18	0251	0321	1717
	22	0256	0325	1710
	26	0301	0330	1704
	30	0306	0335	1657

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
DEC	4	0501	0532	1438
	8	0505	0536	1438
	12	0508	0540	1438
	16	0511	0543	1439
	20	0514	0545	1440
	24	0515	0547	1442
	28	0517	0548	1445

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
APR	3	0323	0351	1646
	7	0316	0344	1651
	11	0308	0337	1655
	15	0301	0330	1700
	19	0254	0323	1705
	23	0247	0317	1710
	27	0241	0310	1715

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
SEP	3	0311	0339	1649
	7	0316	0344	1642
	11	0321	0348	1635
	15	0325	0353	1627
	19	0330	0358	1620
	23	0335	0402	1612
	27	0340	0407	1605

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
JAN	1	0517	0549	1448
	5	0518	0549	1452
	9	0517	0548	1456
	13	0516	0546	1501
	17	0514	0544	1506
	21	0512	0542	1511
	25	0509	0538	1516
	29	0505	0534	1522

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
MAY	1	0234	0304	1720
	5	0228	0259	1725
	9	0222	0254	1729
	13	0217	0249	1734
	17	0212	0244	1738
	21	0208	0241	1743
	25	0204	0237	1747
	29	0201	0234	1751

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
OCT	1	0344	0412	1558
	5	0349	0416	1550
	9	0354	0421	1543
	13	0359	0426	1536
	17	0403	0431	1529
	21	0408	0436	1523
	25	0413	0441	1517
	29	0418	0447	1511

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
FEB	2	0501	0530	1527
	6	0456	0525	1533
	10	0451	0520	1538
	14	0446	0514	1544
	18	0440	0508	1549
	22	0434	0502	1555
	26	0428	0456	1600

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
JUN	2	0158	0232	1754
	6	0156	0230	1757
	10	0155	0229	1800
	14	0154	0229	1802
	18	0154	0229	1803
	22	0155	0230	1804
	26	0156	0231	1805
	30	0158	0233	1804

IASI / Iasi - LRIA
471049N 0273715E

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
JUL	1	0138	0216	1848
	5	0141	0218	1809
	9	0144	0221	1807
	13	0148	0225	1805
	17	0153	0229	1801
	21	0158	0233	1758
	25	0203	0238	1753
	29	0209	0243	1748

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
NOV	2	0422	0452	1453
	6	0428	0458	1447
	10	0433	0504	1442
	14	0439	0510	1437
	18	0444	0516	1433
	22	0449	0521	1429
	26	0454	0527	1426
	30	0459	0532	1424

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
MAR	2	0417	0446	1557
	6	0409	0438	1603
	10	0401	0430	1608
	14	0353	0422	1614
	18	0345	0414	1620
	22	0337	0406	1625
	26	0329	0358	1631
	30	0321	0350	1637

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
AUG	2	0214	0248	1743
	6	0220	0253	1737
	10	0226	0258	1731
	14	0231	0303	1724
	18	0237	0309	1717
	22	0243	0314	1710
	26	0249	0319	1702
	30	0254	0324	1655

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
DEC	4	0503	0537	1422
	8	0507	0541	1421
	12	0511	0545	1421
	16	0514	0548	1422
	20	0517	0550	1423
	24	0518	0552	1425
	28	0520	0553	1428

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
APR	3	0313	0342	1642
	7	0305	0335	1648
	11	0257	0327	1653
	15	0249	0319	1659
	19	0241	0312	1705
	23	0233	0305	1710
	27	0226	0258	1716

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
SEP	3	0300	0330	1647
	7	0305	0335	1639
	11	0311	0340	1631
	15	0316	0345	1623
	19	0322	0351	1615
	23	0327	0356	1607
	27	0332	0401	1559

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
JAN	1	0520	0554	1431
	5	0520	0553	1436
	9	0519	0552	1440
	13	0518	0550	1445
	17	0515	0548	1450
	21	0513	0545	1456
	25	0509	0541	1502
	29	0505	0536	1508

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
MAY	1	0219	0251	1721
	5	0212	0245	1727
	9	0206	0239	1732
	13	0200	0234	1737
	17	0154	0229	1742
	21	0149	0224	1747
	25	0145	0220	1751
	29	0141	0217	1756

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
OCT	1	0338	0407	1551
	5	0343	0412	1543
	9	0349	0418	1535
	13	0354	0423	1527
	17	0400	0429	1520
	21	0405	0435	1513
	25	0411	0440	1506
	29	0416	0446	1459

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
FEB	2	0500	0531	1514
	6	0455	0526	1520
	10	0450	0520	1526
	14	0444	0514	1533
	18	0437	0507	1539
	22	0431	0500	1545
	26	0424	0453	1551

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
JUN	2	0138	0215	1759
	6	0135	0213	1803
	10	0134	0211	1806
	14	0133	0211	1808
	18	0133	0211	1810
	22	0133	0211	1811
	26	0135	0213	1811
	30	0137	0215	1811



IASI / Iasi-Sud - LRS
470929N 0273815E

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
JUL 1	0138	0216	1810	1848
5	0141	0218	1809	1846
9	0144	0221	1807	1844
13	0149	0225	1804	1841
17	0153	0229	1801	1837
21	0158	0233	1757	1833
25	0203	0238	1753	1828
29	0209	0243	1748	1822

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
NOV 2	0422	0452	1453	1523
6	0427	0458	1447	1518
10	0433	0504	1442	1513
14	0439	0510	1437	1508
18	0444	0516	1433	1504
22	0449	0521	1429	1501
26	0454	0527	1426	1458
30	0459	0532	1424	1456

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
MAR 2	0416	0445	1557	1626
6	0409	0438	1603	1631
10	0401	0430	1608	1637
14	0353	0422	1614	1643
18	0345	0414	1620	1649
22	0337	0406	1625	1654
26	0329	0358	1631	1700
30	0321	0350	1637	1706

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
AUG 2	0214	0248	1743	1816
6	0220	0253	1737	1810
10	0226	0258	1731	1803
14	0231	0303	1724	1756
18	0237	0309	1717	1748
22	0243	0314	1710	1741
26	0249	0319	1702	1733
30	0254	0324	1655	1725

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
DEC 4	0503	0536	1422	1455
8	0507	0541	1421	1455
12	0511	0544	1421	1455
16	0514	0548	1422	1455
20	0516	0550	1423	1457
24	0518	0552	1425	1459
28	0519	0553	1428	1502

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
APR 3	0313	0342	1642	1712
7	0305	0334	1648	1717
11	0257	0327	1653	1723
15	0249	0319	1659	1729
19	0241	0312	1704	1735
23	0233	0305	1710	1741
27	0226	0258	1715	1747

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
SEP 3	0300	0330	1647	1717
7	0305	0335	1639	1709
11	0311	0340	1631	1700
15	0316	0345	1623	1652
19	0322	0351	1615	1644
23	0327	0356	1607	1635
27	0332	0401	1559	1627

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
JAN 1	0520	0553	1432	1505
5	0520	0553	1436	1509
9	0519	0552	1440	1513
13	0517	0550	1445	1518
17	0515	0548	1450	1523
21	0512	0544	1456	1528
25	0509	0541	1502	1533
29	0505	0536	1508	1539

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
MAY 1	0219	0251	1721	1753
5	0212	0245	1726	1759
9	0206	0239	1732	1805
13	0200	0234	1737	1811
17	0154	0229	1742	1817
21	0149	0224	1747	1822
25	0145	0221	1751	1827
29	0141	0217	1755	1832

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
OCT 1	0338	0407	1550	1619
5	0343	0412	1543	1611
9	0349	0418	1535	1604
13	0354	0423	1527	1556
17	0400	0429	1520	1549
21	0405	0435	1513	1542
25	0411	0440	1506	1535
29	0416	0446	1459	1529

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
FEB 2	0500	0531	1514	1545
6	0455	0526	1520	1551
10	0450	0520	1526	1557
14	0444	0514	1533	1602
18	0437	0507	1539	1608
22	0431	0500	1545	1614
26	0424	0453	1551	1620

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
JUN 2	0138	0215	1759	1836
6	0135	0213	1803	1840
10	0134	0211	1805	1843
14	0133	0211	1808	1846
18	0133	0211	1809	1848
22	0133	0212	1810	1849
26	0135	0213	1811	1849
30	0137	0215	1810	1848

NAVODARI / Midia-Constanta - LRM
441944N 0283925E

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
JUL 1	0148	0223	1755	1829
5	0151	0226	1754	1828
9	0154	0228	1752	1826
13	0158	0232	1750	1823
17	0202	0235	1747	1820
21	0206	0239	1743	1816
25	0211	0243	1740	1812
29	0216	0248	1735	1807

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
NOV 2	0413	0442	1455	1524
6	0418	0447	1450	1519
10	0423	0453	1445	1514
14	0428	0458	1441	1510
18	0433	0503	1437	1507
22	0438	0508	1434	1504
26	0443	0513	1431	1502
30	0447	0518	1429	1500

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
MAR 2	0411	0439	1555	1623
6	0404	0432	1600	1628
10	0357	0425	1606	1633
14	0350	0417	1611	1638
18	0343	0410	1616	1643
22	0335	0403	1621	1648
26	0328	0355	1626	1653
30	0320	0348	1631	1658

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
AUG 2	0221	0252	1730	1802
6	0226	0256	1725	1756
10	0231	0301	1719	1750
14	0236	0306	1713	1743
18	0241	0310	1707	1737
22	0246	0315	1700	1730
26	0251	0320	1654	1723
30	0256	0324	1647	1715

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
DEC 4	0451	0522	1428	1459
8	0455	0526	1427	1459
12	0458	0530	1427	1459
16	0501	0533	1428	1500
20	0504	0535	1430	1501
24	0506	0537	1432	1503
28	0507	0538	1435	1506

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
APR 3	0313	0341	1636	1703
7	0305	0334	1640	1709
11	0258	0326	1645	1714
15	0251	0320	1650	1719
19	0244	0313	1655	1724
23	0237	0306	1700	1730
27	0230	0300	1705	1735

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
SEP 3	0301	0329	1639	1708
7	0305	0333	1632	1700
11	0310	0338	1625	1653
15	0315	0343	1617	1645
19	0320	0347	1610	1637
23	0325	0352	1602	1630
27	0329	0357	1555	1622

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
JAN 1	0508	0539	1438	1509
5	0508	0539	1442	1513
9	0507	0538	1446	1517
13	0506	0537	1450	1521
17	0504	0534	1455	1526
21	0502	0532	1501	1531
25	0459	0528	1506	1536
29	0455	0525	1511	1541

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
MAY 1	0224	0254	1710	1740
5	0218	0248	1715	1746
9	0212	0243	1719	1751
13	0207	0238	1724	1756
17	0202	0234	1729	1801
21	0157	0230	1733	1806
25	0153	0227	1737	1810
29	0150	0224	1741	1814

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
OCT 1	0334	0401	1547	1615
5	0339	0406	1540	1608
9	0344	0411	1533	1601
13	0348	0416	1526	1554
17	0353	0421	1519	1547
21	0358	0426	1513	1541
25	0403	0431	1506	1535
29	0408	0437	1500	1529

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
FEB 2	0451	0520	1517	1546
6	0446	0515	1522	1551
10	0442	0510	1528	1557
14	0436	0504	1534	1602
18	0430	0458	1539	1607
22	0424	0452	1545	1612
26	0418	0446	1550	1618

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
JUN 2	0148	0222	1744	1818
6	0146	0220	1747	1822
10	0144	0219	1750	1824
14	0144	0218	1752	1827
18	0144	0219	1754	1828
22	0144	0219	1755	1829
26	0146	0221	1755	1830
30	0148	0222	1755	1829



ORADEA / Oradea - LROD
470131N 0215409E

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO	
JUL	1	0201	0239	1833	1910
	5	0204	0242	1831	1909
	9	0208	0245	1829	1906
	13	0212	0249	1827	1903
	17	0217	0253	1824	1900
	21	0222	0257	1820	1855
	25	0227	0301	1815	1850
	29	0232	0306	1811	1845

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO	
NOV	2	0445	0515	1516	1546
	6	0450	0521	1510	1541
	10	0456	0527	1505	1536
	14	0501	0532	1500	1532
	18	0507	0538	1456	1528
	22	0512	0544	1452	1524
	26	0517	0549	1449	1522
	30	0521	0554	1447	1520

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO	
MAR	2	0439	0508	1620	1649
	6	0432	0501	1626	1654
	10	0424	0453	1631	1700
	14	0416	0445	1637	1706
	18	0408	0437	1643	1712
	22	0400	0429	1648	1717
	26	0352	0421	1654	1723
	30	0344	0413	1659	1729

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO	
AUG	2	0238	0311	1805	1839
	6	0243	0316	1759	1832
	10	0249	0321	1753	1825
	14	0255	0327	1747	1818
	18	0300	0332	1740	1811
	22	0306	0337	1732	1803
	26	0312	0342	1725	1756
	30	0317	0347	1717	1748

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO	
DEC	4	0526	0559	1445	1518
	8	0530	0603	1445	1518
	12	0533	0607	1445	1518
	16	0536	0610	1445	1519
	20	0539	0613	1447	1520
	24	0541	0614	1449	1522
	28	0542	0615	1452	1525

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO	
APR	3	0336	0405	1705	1734
	7	0328	0358	1711	1740
	11	0320	0350	1716	1746
	15	0312	0342	1722	1752
	19	0304	0335	1727	1758
	23	0257	0328	1733	1804
	27	0249	0321	1738	1810

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO	
SEP	3	0323	0353	1710	1739
	7	0328	0358	1702	1731
	11	0334	0403	1654	1723
	15	0339	0408	1646	1715
	19	0345	0414	1638	1707
	23	0350	0419	1630	1658
	27	0355	0424	1621	1650

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO	
JAN	1	0543	0616	1455	1528
	5	0542	0616	1459	1532
	9	0542	0614	1504	1536
	13	0540	0613	1508	1541
	17	0538	0610	1514	1546
	21	0535	0607	1519	1551
	25	0532	0603	1525	1557
	29	0528	0559	1531	1602

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO	
MAY	1	0242	0314	1744	1816
	5	0235	0308	1749	1822
	9	0229	0302	1754	1828
	13	0223	0257	1759	1833
	17	0218	0252	1804	1839
	21	0213	0248	1809	1844
	25	0208	0244	1814	1850
	29	0204	0241	1818	1854

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO	
OCT	1	0401	0430	1613	1642
	5	0406	0435	1606	1634
	9	0412	0440	1558	1627
	13	0417	0446	1550	1619
	17	0422	0452	1543	1612
	21	0428	0457	1536	1605
	25	0433	0503	1529	1558
	29	0439	0509	1522	1552

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO	
FEB	2	0523	0554	1537	1608
	6	0518	0548	1543	1614
	10	0512	0543	1550	1620
	14	0506	0536	1556	1626
	18	0500	0530	1602	1631
	22	0454	0523	1608	1637
	26	0447	0516	1614	1643

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO	
JUN	2	0201	0238	1822	1859
	6	0159	0236	1825	1902
	10	0157	0235	1828	1905
	14	0156	0234	1830	1908
	18	0156	0234	1832	1910
	22	0157	0235	1833	1911
	26	0158	0236	1833	1911
	30	0201	0238	1833	1911

ORADEA / SMURD BH 2 - LRHO
470351N 0215715E

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO	
JUL	1	0201	0239	1833	1910
	5	0204	0241	1831	1909
	9	0208	0245	1829	1906
	13	0212	0248	1827	1903
	17	0216	0252	1824	1900
	21	0221	0257	1820	1855
	25	0226	0301	1815	1850
	29	0232	0306	1810	1845

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO	
NOV	2	0444	0515	1516	1546
	6	0450	0521	1510	1541
	10	0456	0527	1505	1536
	14	0501	0532	1500	1531
	18	0506	0538	1456	1527
	22	0512	0544	1452	1524
	26	0517	0549	1449	1521
	30	0521	0554	1447	1519

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO	
MAR	2	0439	0508	1620	1649
	6	0432	0500	1625	1654
	10	0424	0453	1631	1700
	14	0416	0445	1637	1706
	18	0408	0437	1643	1711
	22	0400	0429	1648	1717
	26	0352	0421	1654	1723
	30	0344	0413	1659	1728

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO	
AUG	2	0237	0311	1805	1839
	6	0243	0316	1759	1832
	10	0249	0321	1753	1825
	14	0254	0326	1746	1818
	18	0300	0331	1740	1811
	22	0306	0337	1732	1803
	26	0311	0342	1725	1755
	30	0317	0347	1717	1747

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO	
DEC	4	0526	0559	1445	1518
	8	0530	0603	1444	1518
	12	0533	0607	1444	1518
	16	0536	0610	1445	1518
	20	0539	0612	1446	1520
	24	0541	0614	1448	1522
	28	0542	0615	1451	1525

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO	
APR	3	0336	0405	1705	1734
	7	0328	0357	1710	1740
	11	0320	0350	1716	1746
	15	0312	0342	1721	1752
	19	0304	0335	1727	1758
	23	0256	0328	1733	1804
	27	0249	0321	1738	1810

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO	
SEP	3	0323	0352	1710	1739
	7	0328	0358	1702	1731
	11	0334	0403	1654	1723
	15	0339	0408	1646	1715
	19	0344	0413	1637	1706
	23	0350	0419	1629	1658
	27	0355	0424	1621	1650

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO	
JAN	1	0542	0616	1455	1528
	5	0542	0615	1459	1532
	9	0541	0614	1503	1536
	13	0540	0613	1508	1541
	17	0538	0610	1513	1546
	21	0535	0607	1519	1551
	25	0531	0603	1525	1556
	29	0527	0559	1531	1602

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO	
MAY	1	0242	0314	1743	1816
	5	0235	0308	1749	1822
	9	0229	0302	1754	1828
	13	0223	0257	1759	1833
	17	0217	0252	1804	1839
	21	0212	0247	1809	1844
	25	0208	0244	1814	1850
	29	0204	0240	1818	1854

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO	
OCT	1	0401	0429	1613	1642
	5	0406	0435	1606	1634
	9	0411	0440	1558	1626
	13	0417	0446	1550	1619
	17	0422	0451	1543	1612
	21	0428	0457	1536	1605
	25	0433	0503	1528	1558
	29	0439	0509	1522	1552

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO	
FEB	2	0523	0554	1537	1608
	6	0518	0548	1543	1614
	10	0512	0542	1549	1619
	14	0506	0536	1555	1625
	18	0500	0530	1602	1631
	22	0453	0523	1608	1637
	26	0446	0515	1614	1643

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO	
JUN	2	0201	0238	1822	1859
	6	0158	0236	1825	1902
	10	0157	0234	1828	1905
	14	0156	0234	1830	1908
	18	0156	0234	1832	1910
	22	0157	0235	1833	1911
	26	0158	0236	1833	19



OSORHEI / DOGARU - LRDD
470330N 0220442E

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
JUL 1	0201	0238	1832	1910
5	0204	0241	1831	1908
9	0207	0244	1829	1906
13	0211	0248	1826	1903
17	0216	0252	1823	1859
21	0221	0256	1819	1855
25	0226	0301	1815	1850
29	0231	0305	1810	1844

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
NOV 2	0444	0514	1515	1546
6	0450	0520	1510	1540
10	0455	0526	1504	1535
14	0501	0532	1459	1531
18	0506	0538	1455	1527
22	0511	0543	1452	1524
26	0516	0549	1449	1521
30	0521	0554	1446	1519

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
MAR 2	0439	0508	1619	1648
6	0431	0500	1625	1654
10	0423	0452	1631	1659
14	0416	0444	1636	1705
18	0408	0436	1642	1711
22	0400	0428	1648	1717
26	0351	0420	1653	1722
30	0343	0413	1659	1728

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
AUG 2	0237	0310	1805	1838
6	0242	0315	1759	1832
10	0248	0321	1752	1825
14	0254	0326	1746	1818
18	0300	0331	1739	1810
22	0305	0336	1732	1803
26	0311	0341	1724	1755
30	0317	0347	1717	1747

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
DEC 4	0525	0558	1445	1518
8	0529	0603	1444	1517
12	0533	0606	1444	1517
16	0536	0609	1444	1518
20	0538	0612	1446	1519
24	0540	0614	1448	1522
28	0541	0615	1451	1524

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
APR 3	0335	0405	1704	1734
7	0327	0357	1710	1740
11	0319	0349	1715	1745
15	0311	0342	1721	1751
19	0303	0334	1726	1757
23	0256	0327	1732	1803
27	0248	0320	1738	1809

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
SEP 3	0322	0352	1709	1739
7	0328	0357	1701	1731
11	0333	0402	1653	1722
15	0339	0408	1645	1714
19	0344	0413	1637	1706
23	0349	0418	1629	1658
27	0355	0423	1621	1650

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
JAN 1	0542	0615	1454	1528
5	0542	0615	1458	1531
9	0541	0614	1503	1536
13	0539	0612	1508	1540
17	0537	0610	1513	1545
21	0534	0606	1519	1551
25	0531	0603	1524	1556
29	0527	0558	1530	1602

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
MAY 1	0241	0314	1743	1815
5	0235	0307	1748	1821
9	0228	0302	1754	1827
13	0222	0256	1759	1833
17	0217	0251	1804	1839
21	0212	0247	1809	1844
25	0207	0243	1813	1849
29	0204	0240	1817	1854

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
OCT 1	0400	0429	1613	1642
5	0405	0434	1605	1634
9	0411	0440	1557	1626
13	0416	0445	1549	1618
17	0422	0451	1542	1611
21	0427	0457	1535	1604
25	0433	0502	1528	1558
29	0438	0508	1521	1551

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
FEB 2	0522	0553	1537	1607
6	0517	0548	1543	1613
10	0512	0542	1549	1619
14	0506	0536	1555	1625
18	0500	0529	1601	1631
22	0453	0522	1607	1636
26	0446	0515	1613	1642

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
JUN 2	0200	0237	1821	1858
6	0158	0235	1824	1902
10	0156	0234	1827	1905
14	0156	0233	1830	1907
18	0155	0233	1831	1909
22	0156	0234	1832	1910
26	0158	0236	1833	1911
30	0200	0238	1832	1910

PITESTI / Geamana - LRPT
444903N 0245352E

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
JUL 1	0201	0236	1811	1847
5	0204	0239	1810	1845
9	0207	0242	1809	1843
13	0211	0245	1806	1841
17	0215	0249	1804	1837
21	0219	0253	1800	1833
25	0224	0257	1756	1829
29	0229	0301	1752	1824

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
NOV 2	0429	0458	1509	1538
6	0434	0504	1504	1533
10	0439	0509	1459	1528
14	0444	0514	1454	1524
18	0449	0520	1451	1521
22	0454	0525	1447	1518
26	0459	0530	1445	1515
30	0503	0535	1443	1514

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
MAR 2	0426	0454	1610	1638
6	0419	0447	1615	1643
10	0412	0440	1620	1648
14	0405	0433	1626	1653
18	0358	0425	1631	1658
22	0350	0418	1636	1704
26	0342	0410	1641	1709
30	0335	0403	1646	1714

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
AUG 2	0234	0306	1747	1818
6	0239	0310	1741	1813
10	0244	0315	1736	1806
14	0249	0320	1729	1800
18	0255	0324	1723	1753
22	0300	0329	1716	1746
26	0305	0334	1709	1739
30	0310	0339	1702	1731

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
DEC 4	0508	0539	1441	1513
8	0511	0543	1441	1512
12	0515	0547	1441	1513
16	0518	0550	1442	1513
20	0520	0552	1443	1515
24	0522	0554	1445	1517
28	0523	0555	1448	1520

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
APR 3	0327	0355	1651	1719
7	0320	0348	1656	1724
11	0312	0341	1701	1730
15	0305	0334	1706	1735
19	0258	0327	1711	1741
23	0251	0320	1716	1746
27	0244	0314	1721	1751

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
SEP 3	0315	0343	1655	1724
7	0320	0348	1648	1716
11	0325	0353	1640	1708
15	0330	0358	1633	1700
19	0335	0402	1625	1653
23	0339	0407	1617	1645
27	0344	0412	1610	1637

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
JAN 1	0524	0556	1451	1523
5	0524	0556	1455	1527
9	0523	0555	1459	1531
13	0522	0553	1504	1535
17	0520	0551	1509	1540
21	0518	0548	1514	1545
25	0515	0545	1520	1550
29	0511	0541	1525	1555

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
MAY 1	0237	0308	1726	1757
5	0231	0302	1731	1802
9	0225	0257	1736	1808
13	0220	0252	1741	1813
17	0215	0247	1745	1818
21	0210	0243	1750	1823
25	0206	0240	1754	1827
29	0203	0237	1758	1832

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
OCT 1	0349	0417	1602	1630
5	0354	0422	1555	1623
9	0359	0427	1548	1615
13	0404	0432	1541	1608
17	0409	0437	1534	1602
21	0414	0442	1527	1555
25	0419	0447	1521	1549
29	0424	0453	1515	1543

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
FEB 2	0507	0536	1531	1600
6	0502	0531	1536	1606
10	0457	0526	1542	1611
14	0452	0520	1548	1616
18	0446	0514	1553	1622
22	0440	0508	1559	1627
26	0433	0501	1604	1632

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
JUN 2	0200	0235	1801	1836
6	0158	0233	1804	1839
10	0157	0232	1807	1842
14	0156	0232	1809	1844
18	0156	0232	1810	1846
22	0157	0232	1811	1847
26	0158	0234	1812	1847
30	0200	0236	1812	1847



PLOIESTI / Gheorghe Valentin Bibescu - Ploiesti - LRPW
445525N 0255748E

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
JUL 1	0156	0232	1808	1843
5	0159	0234	1807	1842
9	0202	0237	1805	1840
13	0206	0240	1803	1837
17	0210	0244	1800	1833
21	0215	0248	1756	1830
25	0219	0252	1752	1825
29	0224	0257	1748	1820

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
NOV 2	0425	0454	1504	1533
6	0430	0500	1459	1528
10	0435	0505	1454	1524
14	0440	0510	1450	1520
18	0445	0516	1446	1516
22	0450	0521	1443	1513
26	0455	0526	1440	1511
30	0459	0531	1438	1509

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
MAR 2	0422	0450	1605	1633
6	0415	0443	1611	1639
10	0408	0436	1616	1644
14	0401	0428	1621	1649
18	0353	0421	1626	1654
22	0346	0413	1632	1659
26	0338	0406	1637	1705
30	0330	0358	1642	1710

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
AUG 2	0229	0301	1743	1815
6	0234	0306	1737	1809
10	0240	0310	1732	1802
14	0245	0315	1725	1756
18	0250	0320	1719	1749
22	0255	0325	1712	1742
26	0300	0329	1705	1735
30	0305	0334	1658	1727

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
DEC 4	0504	0535	1437	1508
8	0507	0539	1436	1508
12	0511	0543	1436	1508
16	0514	0546	1437	1509
20	0516	0548	1438	1510
24	0518	0550	1440	1512
28	0519	0551	1443	1515

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
APR 3	0323	0351	1647	1715
7	0315	0344	1652	1720
11	0308	0336	1657	1726
15	0300	0329	1702	1731
19	0253	0323	1707	1736
23	0246	0316	1712	1742
27	0239	0309	1717	1747

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
SEP 3	0310	0339	1651	1719
7	0315	0344	1643	1712
11	0320	0348	1636	1704
15	0325	0353	1628	1656
19	0330	0358	1621	1649
23	0335	0403	1613	1641
27	0340	0408	1606	1633

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
JAN 1	0520	0552	1447	1518
5	0520	0552	1450	1522
9	0519	0551	1455	1526
13	0518	0549	1459	1530
17	0516	0547	1504	1535
21	0514	0544	1510	1540
25	0511	0541	1515	1545
29	0507	0537	1521	1550

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
MAY 1	0233	0303	1722	1753
5	0226	0258	1727	1758
9	0221	0252	1732	1804
13	0215	0247	1737	1809
17	0210	0243	1741	1814
21	0206	0239	1746	1819
25	0202	0235	1750	1824
29	0158	0232	1754	1828

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
OCT 1	0345	0412	1558	1626
5	0350	0417	1551	1618
9	0355	0422	1543	1611
13	0400	0428	1536	1604
17	0405	0433	1529	1557
21	0410	0438	1523	1551
25	0415	0443	1516	1545
29	0420	0449	1510	1539

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
FEB 2	0503	0532	1526	1556
6	0458	0527	1532	1601
10	0453	0522	1538	1607
14	0448	0516	1543	1612
18	0442	0510	1549	1617
22	0436	0504	1555	1623
26	0429	0457	1600	1628

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
JUN 2	0156	0230	1757	1832
6	0153	0228	1800	1835
10	0152	0227	1803	1838
14	0151	0227	1805	1840
18	0151	0227	1807	1842
22	0152	0228	1808	1843
26	0154	0229	1808	1844
30	0156	0231	1808	1843

SATU MARE / Satu Mare - LRSM
474212N 0225308E

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
JUL 1	0154	0232	1832	1910
5	0157	0235	1830	1909
9	0200	0238	1828	1906
13	0205	0242	1826	1903
17	0209	0246	1822	1859
21	0214	0250	1818	1854
25	0220	0255	1814	1849
29	0225	0300	1809	1844

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
NOV 2	0442	0512	1511	1541
6	0447	0519	1505	1536
10	0453	0525	1459	1531
14	0459	0531	1454	1526
18	0504	0536	1450	1522
22	0510	0542	1446	1519
26	0515	0548	1443	1516
30	0519	0553	1441	1514

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
MAR 2	0436	0505	1615	1645
6	0428	0457	1621	1650
10	0420	0449	1627	1656
14	0412	0441	1633	1702
18	0404	0433	1639	1708
22	0356	0425	1645	1714
26	0348	0417	1650	1720
30	0339	0409	1656	1726

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
AUG 2	0231	0305	1803	1838
6	0237	0310	1757	1831
10	0243	0316	1751	1824
14	0249	0321	1744	1817
18	0255	0326	1737	1809
22	0300	0332	1730	1801
26	0306	0337	1722	1753
30	0312	0343	1715	1745

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
DEC 4	0524	0557	1439	1513
8	0528	0602	1438	1512
12	0532	0606	1438	1512
16	0535	0609	1439	1513
20	0537	0611	1440	1514
24	0539	0613	1442	1516
28	0540	0614	1445	1519

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
APR 3	0331	0401	1702	1732
7	0323	0353	1707	1737
11	0315	0345	1713	1744
15	0306	0337	1719	1750
19	0258	0330	1724	1756
23	0251	0322	1730	1802
27	0243	0315	1736	1808

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
SEP 3	0318	0348	1707	1737
7	0323	0353	1659	1728
11	0329	0359	1650	1720
15	0335	0404	1642	1712
19	0340	0409	1634	1703
23	0346	0415	1626	1655
27	0351	0420	1617	1647

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
JAN 1	0541	0615	1448	1522
5	0540	0614	1452	1526
9	0540	0613	1457	1531
13	0538	0611	1502	1535
17	0536	0608	1508	1540
21	0533	0605	1513	1546
25	0529	0601	1519	1551
29	0525	0557	1525	1557

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
MAY 1	0236	0309	1741	1814
5	0229	0302	1747	1820
9	0222	0256	1752	1826
13	0216	0251	1758	1832
17	0211	0246	1803	1838
21	0205	0241	1808	1844
25	0201	0237	1812	1849
29	0157	0234	1817	1854

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
OCT 1	0357	0426	1609	1638
5	0402	0431	1601	1630
9	0408	0437	1553	1623
13	0413	0443	1546	1615
17	0419	0449	1538	1608
21	0425	0454	1531	1600
25	0430	0500	1524	1554
29	0436	0506	1517	1547

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
FEB 2	0520	0552	1532	1603
6	0515	0546	1538	1609
10	0510	0540	1544	1615
14	0503	0534	1551	1621
18	0457	0527	1557	1627
22	0450	0520	1603	1633
26	0443	0513	1609	1639

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
JUN 2	0154	0231	1821	1858
6	0151	0229	1824	1902
10	0149	0228	1827	1905
14	0149	0227	1829	1908
18	0148	0227	1831	1910
22	0149	0228	1832	1911
26	0151	0229	1832	1911
30	0153	0231	1832	1911



SIBIU / Sibiu - LRSB
454709N 0240508E

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
JUL 1	0159	0236	1819	1855
5	0202	0238	1817	1853
9	0206	0241	1816	1851
13	0210	0245	1813	1848
17	0214	0248	1810	1845
21	0218	0253	1807	1841
25	0223	0257	1803	1836
29	0228	0301	1758	1831

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
NOV 2	0434	0503	1510	1540
6	0439	0509	1505	1534
10	0445	0515	1500	1530
14	0450	0520	1455	1525
18	0455	0526	1451	1522
22	0500	0531	1448	1519
26	0505	0536	1445	1516
30	0509	0541	1443	1514

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
MAR 2	0430	0458	1612	1640
6	0423	0451	1618	1646
10	0415	0444	1623	1651
14	0408	0436	1629	1657
18	0400	0428	1634	1702
22	0353	0421	1639	1708
26	0345	0413	1645	1713
30	0337	0405	1650	1718

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
AUG 2	0234	0306	1753	1825
6	0239	0311	1747	1819
10	0244	0316	1741	1813
14	0250	0321	1735	1806
18	0255	0326	1728	1759
22	0301	0331	1721	1751
26	0306	0336	1714	1744
30	0311	0341	1707	1736

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
DEC 4	0514	0546	1441	1513
8	0517	0550	1440	1513
12	0521	0553	1440	1513
16	0524	0556	1441	1514
20	0526	0559	1443	1515
24	0528	0601	1445	1517
28	0529	0602	1448	1520

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
APR 3	0329	0358	1655	1724
7	0321	0350	1700	1729
11	0314	0343	1706	1735
15	0306	0336	1711	1740
19	0259	0329	1716	1746
23	0251	0322	1721	1752
27	0244	0315	1727	1757

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
SEP 3	0316	0345	1659	1728
7	0322	0350	1652	1721
11	0327	0355	1644	1713
15	0332	0400	1636	1705
19	0337	0405	1628	1657
23	0342	0410	1621	1649
27	0347	0415	1613	1641

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
JAN 1	0530	0602	1451	1523
5	0530	0602	1455	1527
9	0529	0601	1459	1531
13	0528	0600	1504	1536
17	0526	0557	1509	1541
21	0523	0554	1515	1546
25	0520	0551	1520	1551
29	0516	0547	1526	1556

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
MAY 1	0237	0309	1732	1803
5	0231	0303	1737	1809
9	0225	0257	1742	1814
13	0219	0252	1747	1820
17	0214	0248	1752	1825
21	0209	0243	1756	1830
25	0205	0240	1800	1835
29	0202	0237	1804	1839

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
OCT 1	0352	0420	1605	1633
5	0357	0425	1558	1626
9	0402	0431	1550	1618
13	0408	0436	1543	1611
17	0413	0441	1536	1604
21	0418	0447	1529	1558
25	0423	0452	1522	1551
29	0429	0458	1516	1545

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
FEB 2	0512	0542	1532	1602
6	0507	0537	1538	1607
10	0502	0531	1543	1613
14	0456	0525	1549	1618
18	0450	0519	1555	1624
22	0444	0512	1601	1630
26	0437	0505	1607	1635

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
JUN 2	0159	0234	1808	1843
6	0157	0233	1811	1847
10	0155	0231	1814	1850
14	0154	0231	1816	1852
18	0154	0231	1818	1854
22	0155	0232	1819	1855
26	0157	0233	1819	1856
30	0159	0235	1819	1855

SUCEAVA / Stefan cel Mare - Suceava - LRSV
474111N 0262116E

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
JUL 1	0140	0218	1818	1856
5	0143	0221	1816	1855
9	0147	0224	1814	1852
13	0151	0228	1812	1849
17	0156	0232	1808	1845
21	0201	0237	1805	1841
25	0206	0241	1800	1835
29	0211	0246	1755	1830

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
NOV 2	0428	0459	1457	1527
6	0434	0505	1451	1522
10	0439	0511	1445	1517
14	0445	0517	1440	1512
18	0450	0522	1436	1508
22	0456	0528	1432	1505
26	0501	0534	1429	1502
30	0506	0539	1427	1500

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
MAR 2	0422	0451	1601	1631
6	0414	0443	1607	1637
10	0406	0435	1613	1642
14	0358	0427	1619	1648
18	0350	0419	1625	1654
22	0342	0411	1631	1700
26	0334	0403	1636	1706
30	0325	0355	1642	1712

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
AUG 2	0217	0251	1749	1824
6	0223	0256	1743	1817
10	0229	0302	1737	1810
14	0235	0307	1730	1803
18	0241	0312	1723	1755
22	0247	0318	1716	1747
26	0252	0323	1708	1739
30	0258	0329	1701	1731

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
DEC 4	0510	0544	1425	1459
8	0514	0548	1424	1458
12	0518	0552	1424	1458
16	0521	0555	1425	1459
20	0523	0557	1426	1500
24	0525	0559	1428	1502
28	0526	0600	1431	1505

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
APR 3	0317	0347	1648	1718
7	0309	0339	1654	1724
11	0301	0331	1659	1730
15	0253	0323	1705	1736
19	0245	0316	1711	1742
23	0237	0309	1716	1748
27	0229	0302	1722	1754

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
SEP 3	0304	0334	1653	1723
7	0310	0339	1645	1715
11	0315	0345	1637	1706
15	0321	0350	1628	1658
19	0326	0356	1620	1649
23	0332	0401	1612	1641
27	0337	0406	1604	1633

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
JAN 1	0527	0601	1435	1508
5	0527	0600	1439	1512
9	0526	0559	1443	1517
13	0524	0557	1448	1521
17	0522	0555	1454	1526
21	0519	0551	1459	1532
25	0515	0547	1505	1537
29	0511	0543	1512	1543

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
MAY 1	0222	0255	1728	1800
5	0215	0249	1733	1806
9	0209	0243	1739	1812
13	0202	0237	1744	1818
17	0157	0232	1749	1824
21	0152	0228	1754	1830
25	0147	0224	1758	1835
29	0143	0220	1803	1840

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
OCT 1	0343	0412	1555	1625
5	0348	0418	1547	1617
9	0354	0423	1539	1609
13	0359	0429	1532	1601
17	0405	0435	1524	1554
21	0411	0441	1517	1547
25	0416	0446	1510	1540
29	0422	0452	1503	1533

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
FEB 2	0507	0538	1518	1549
6	0501	0532	1524	1555
10	0456	0526	1530	1601
14	0450	0520	1537	1607
18	0443	0513	1543	1613
22	0436	0506	1549	1619
26	0429	0459	1555	1625

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
JUN 2	0140	0218	1807	1844
6	0137	0216	1810	1848
10	0136	0214	1813	1851
14	0135	0213	1815	1854
18	0135	0214	1817	1856
22	0135	0214	1818	1857
26	0137	0216	1818	1857
30	0139	0218	1818	1857



TARGU MURES / Mureseni - LRMS
463200N 0243146E

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
JUL 1	0154	0231	1820	1857
5	0157	0233	1819	1855
9	0200	0236	1817	1853
13	0204	0240	1814	1850
17	0209	0244	1811	1847
21	0213	0248	1808	1842
25	0218	0253	1803	1838
29	0224	0257	1758	1832

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
NOV 2	0433	0503	1507	1537
6	0439	0509	1501	1531
10	0444	0515	1456	1526
14	0450	0521	1451	1522
18	0455	0526	1447	1518
22	0500	0532	1443	1515
26	0505	0537	1441	1513
30	0510	0542	1438	1511

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
MAR 2	0429	0457	1610	1638
6	0421	0450	1615	1644
10	0414	0442	1621	1650
14	0406	0434	1627	1655
18	0358	0427	1632	1701
22	0350	0419	1638	1706
26	0342	0411	1643	1712
30	0334	0403	1649	1717

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
AUG 2	0229	0302	1753	1826
6	0235	0307	1747	1820
10	0240	0312	1741	1813
14	0246	0317	1735	1806
18	0251	0322	1728	1759
22	0257	0327	1721	1752
26	0302	0333	1714	1744
30	0308	0338	1706	1736

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
DEC 4	0514	0547	1437	1509
8	0518	0551	1436	1509
12	0521	0554	1436	1509
16	0524	0558	1437	1510
20	0527	0600	1438	1511
24	0529	0602	1440	1513
28	0530	0603	1443	1516

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
APR 3	0326	0355	1654	1723
7	0318	0348	1659	1729
11	0310	0340	1705	1735
15	0303	0333	1710	1740
19	0255	0325	1716	1746
23	0247	0318	1721	1752
27	0240	0312	1726	1758

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
SEP 3	0313	0343	1659	1728
7	0319	0348	1651	1720
11	0324	0353	1643	1712
15	0329	0358	1635	1704
19	0335	0403	1627	1656
23	0340	0408	1619	1648
27	0345	0414	1611	1640

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
JAN 1	0531	0603	1446	1519
5	0530	0603	1450	1523
9	0530	0602	1455	1527
13	0528	0600	1500	1532
17	0526	0558	1505	1537
21	0523	0555	1510	1542
25	0520	0551	1516	1547
29	0516	0547	1522	1553

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
MAY 1	0233	0305	1732	1804
5	0227	0259	1737	1810
9	0220	0253	1742	1815
13	0215	0248	1747	1821
17	0209	0243	1752	1826
21	0204	0239	1757	1832
25	0200	0235	1801	1837
29	0156	0232	1805	1841

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
OCT 1	0350	0419	1603	1632
5	0356	0424	1555	1624
9	0401	0429	1548	1616
13	0406	0435	1540	1609
17	0412	0440	1533	1602
21	0417	0446	1526	1555
25	0422	0452	1519	1549
29	0428	0457	1513	1542

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
FEB 2	0512	0542	1528	1559
6	0507	0537	1534	1604
10	0501	0531	1540	1610
14	0455	0525	1546	1616
18	0449	0518	1552	1621
22	0443	0512	1558	1627
26	0436	0505	1604	1633

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
JUN 2	0153	0230	1809	1845
6	0151	0228	1812	1849
10	0149	0226	1815	1852
14	0149	0226	1817	1855
18	0149	0226	1819	1856
22	0149	0227	1820	1858
26	0151	0228	1820	1858
30	0153	0230	1820	1857

TARGU MURES / Transilvania - Targu Mures - LRTM
462804N 0242445E

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
JUL 1	0154	0231	1820	1857
5	0157	0234	1819	1856
9	0201	0237	1817	1853
13	0205	0241	1815	1850
17	0209	0245	1811	1847
21	0214	0249	1808	1843
25	0219	0253	1803	1838
29	0224	0258	1759	1832

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
NOV 2	0434	0504	1507	1537
6	0439	0509	1502	1532
10	0445	0515	1456	1527
14	0450	0521	1452	1523
18	0455	0526	1448	1519
22	0500	0532	1444	1516
26	0505	0537	1441	1513
30	0510	0542	1439	1511

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
MAR 2	0429	0458	1610	1639
6	0422	0450	1616	1645
10	0414	0443	1622	1650
14	0406	0435	1627	1656
18	0359	0427	1633	1701
22	0351	0419	1638	1707
26	0343	0411	1644	1712
30	0335	0404	1649	1718

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
AUG 2	0230	0303	1753	1826
6	0235	0308	1748	1820
10	0241	0313	1742	1814
14	0246	0318	1735	1807
18	0252	0323	1728	1759
22	0258	0328	1721	1752
26	0303	0333	1714	1744
30	0309	0338	1707	1736

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
DEC 4	0514	0547	1437	1510
8	0518	0551	1437	1509
12	0522	0555	1437	1510
16	0525	0558	1437	1510
20	0527	0600	1439	1512
24	0529	0602	1441	1514
28	0530	0603	1444	1517

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
APR 3	0327	0356	1654	1724
7	0319	0348	1700	1729
11	0311	0341	1705	1735
15	0303	0333	1711	1741
19	0256	0326	1716	1746
23	0248	0319	1721	1752
27	0241	0312	1727	1758

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
SEP 3	0314	0343	1659	1728
7	0319	0348	1651	1720
11	0325	0354	1643	1712
15	0330	0359	1635	1704
19	0335	0404	1627	1656
23	0340	0409	1619	1648
27	0346	0414	1611	1640

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
JAN 1	0531	0604	1447	1520
5	0531	0603	1451	1524
9	0530	0602	1456	1528
13	0528	0601	1500	1533
17	0526	0558	1506	1537
21	0524	0555	1511	1543
25	0520	0551	1517	1548
29	0516	0547	1523	1553

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
MAY 1	0234	0306	1732	1804
5	0227	0300	1737	1810
9	0221	0254	1743	1815
13	0215	0249	1748	1821
17	0210	0244	1753	1827
21	0205	0240	1757	1832
25	0201	0236	1802	1837
29	0157	0233	1806	1841

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
OCT 1	0351	0419	1604	1632
5	0356	0425	1556	1624
9	0401	0430	1548	1617
13	0407	0435	1541	1609
17	0412	0441	1533	1602
21	0417	0446	1526	1556
25	0423	0452	1520	1549
29	0428	0458	1513	1543

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
FEB 2	0512	0542	1529	1559
6	0507	0537	1535	1605
10	0502	0531	1541	1611
14	0456	0525	1547	1616
18	0450	0519	1553	1622
22	0443	0512	1559	1628
26	0436	0505	1604	1633

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
JUN 2	0154	0230	1809	1846
6	0152	0228	1813	1849
10	0150	0227	1815	1852
14	0149	0227	1818	1855
18	0149	0227	1819	1857
22	0150	0227	1820	1858
26	0152	0229	1821	1858
30	0154	0231	1820	1857



TIMISOARA / Traian Vuia - LRTR
454835N 0212016E

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
JUL 1	0210	0246	1830	1906
5	0213	0249	1829	1904
9	0217	0252	1827	1902
13	0220	0256	1824	1859
17	0225	0259	1821	1856
21	0229	0303	1818	1852
25	0234	0308	1814	1847
29	0239	0312	1809	1842

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
NOV 2	0445	0514	1521	1550
6	0450	0520	1515	1545
10	0456	0526	1510	1541
14	0501	0531	1506	1536
18	0506	0537	1502	1533
22	0511	0542	1458	1530
26	0516	0547	1456	1527
30	0520	0552	1454	1525

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
MAR 2	0441	0509	1623	1651
6	0434	0502	1629	1657
10	0426	0455	1634	1702
14	0419	0447	1640	1708
18	0411	0439	1645	1713
22	0404	0432	1650	1719
26	0356	0424	1656	1724
30	0348	0416	1701	1729

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
AUG 2	0245	0317	1804	1836
6	0250	0322	1758	1830
10	0255	0327	1752	1824
14	0301	0332	1746	1817
18	0306	0337	1739	1810
22	0312	0342	1732	1802
26	0317	0347	1725	1755
30	0322	0352	1718	1747

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
DEC 4	0525	0557	1452	1524
8	0529	0601	1451	1524
12	0532	0604	1451	1524
16	0535	0608	1452	1525
20	0537	0610	1454	1526
24	0539	0612	1456	1528
28	0541	0613	1458	1531

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
APR 3	0340	0409	1706	1735
7	0332	0401	1711	1740
11	0325	0354	1717	1746
15	0317	0347	1722	1751
19	0309	0339	1727	1757
23	0302	0333	1732	1803
27	0255	0326	1738	1808

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
SEP 3	0327	0356	1710	1739
7	0333	0401	1703	1732
11	0338	0406	1655	1724
15	0343	0411	1647	1716
19	0348	0416	1639	1708
23	0353	0421	1632	1700
27	0358	0426	1624	1652

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
JAN 1	0541	0614	1502	1534
5	0541	0613	1506	1538
9	0540	0612	1510	1542
13	0539	0611	1515	1547
17	0537	0608	1520	1551
21	0534	0605	1525	1557
25	0531	0602	1531	1602
29	0527	0558	1537	1607

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
MAY 1	0248	0320	1743	1814
5	0242	0314	1748	1820
9	0236	0308	1753	1825
13	0230	0303	1758	1831
17	0225	0258	1803	1836
21	0220	0254	1807	1841
25	0216	0251	1811	1846
29	0213	0248	1815	1851

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
OCT 1	0403	0431	1616	1644
5	0408	0436	1609	1637
9	0413	0442	1601	1629
13	0419	0447	1554	1622
17	0424	0452	1547	1615
21	0429	0458	1540	1608
25	0434	0503	1533	1602
29	0440	0509	1527	1556

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
FEB 2	0523	0553	1543	1613
6	0518	0548	1549	1618
10	0513	0542	1554	1624
14	0507	0536	1600	1629
18	0501	0530	1606	1635
22	0455	0523	1612	1640
26	0448	0516	1618	1646

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
JUN 2	0210	0245	1819	1855
6	0208	0243	1822	1858
10	0206	0242	1825	1901
14	0205	0242	1827	1904
18	0205	0242	1829	1905
22	0206	0243	1830	1906
26	0207	0244	1830	1907
30	0210	0246	1830	1906

TULCEA / Delta Dunarii - LRTR
450346N 0284252E

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
JUL 1	0145	0220	1757	1833
5	0147	0223	1756	1831
9	0151	0225	1754	1829
13	0154	0229	1752	1826
17	0159	0233	1749	1823
21	0203	0237	1746	1819
25	0208	0241	1742	1815
29	0213	0245	1737	1810

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
NOV 2	0414	0443	1453	1522
6	0419	0449	1448	1517
10	0425	0454	1443	1513
14	0430	0500	1438	1508
18	0435	0505	1435	1505
22	0440	0510	1431	1502
26	0444	0515	1429	1500
30	0449	0520	1427	1458

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
MAR 2	0411	0439	1554	1622
6	0404	0432	1600	1628
10	0357	0425	1605	1633
14	0350	0417	1610	1638
18	0342	0410	1615	1643
22	0335	0402	1621	1648
26	0327	0355	1626	1654
30	0319	0347	1631	1659

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
AUG 2	0218	0250	1732	1804
6	0223	0254	1727	1758
10	0228	0259	1721	1752
14	0233	0304	1715	1745
18	0239	0309	1708	1738
22	0244	0313	1702	1731
26	0249	0318	1655	1724
30	0254	0323	1647	1716

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
DEC 4	0453	0525	1425	1457
8	0457	0529	1425	1456
12	0500	0532	1425	1457
16	0503	0535	1425	1457
20	0506	0538	1427	1459
24	0508	0540	1429	1501
28	0509	0541	1432	1504

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
APR 3	0312	0340	1636	1704
7	0304	0333	1641	1710
11	0256	0325	1646	1715
15	0249	0318	1651	1720
19	0242	0311	1656	1726
23	0235	0305	1701	1731
27	0228	0258	1706	1737

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
SEP 3	0259	0328	1640	1709
7	0304	0333	1633	1701
11	0309	0337	1625	1653
15	0314	0342	1617	1645
19	0319	0347	1610	1638
23	0324	0352	1602	1630
27	0329	0357	1555	1622

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
JAN 1	0509	0541	1435	1507
5	0509	0541	1439	1511
9	0509	0540	1443	1515
13	0508	0539	1448	1519
17	0506	0537	1453	1524
21	0503	0534	1458	1529
25	0500	0530	1504	1534
29	0456	0526	1509	1539

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
MAY 1	0221	0252	1711	1742
5	0215	0246	1716	1748
9	0209	0241	1721	1753
13	0204	0236	1726	1758
17	0159	0231	1731	1804
21	0154	0227	1735	1808
25	0150	0224	1739	1813
29	0147	0221	1743	1817

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
OCT 1	0334	0402	1547	1615
5	0339	0406	1540	1607
9	0344	0412	1532	1600
13	0349	0417	1525	1553
17	0354	0422	1518	1546
21	0359	0427	1511	1540
25	0404	0432	1505	1534
29	0409	0438	1459	1528

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
FEB 2	0452	0522	1515	1544
6	0447	0517	1521	1550
10	0442	0511	1526	1555
14	0437	0505	1532	1601
18	0431	0459	1538	1606
22	0425	0453	1543	1612
26	0418	0446	1549	1617

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
JUN 2	0144	0219	1747	1821
6	0142	0217	1750	1825
10	0140	0216	1752	1828
14	0140	0215	1755	1830
18	0140	0215	1756	1832
22	0140	0216	1757	1833
26	0142	0217	1758	1833
30	0144	0219	1757	1833



TUZLA / Tuzla - LRTZ
435903N 0283635E

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
JUL	1	0150	0225	1753
	5	0153	0227	1752
	9	0156	0230	1751
	13	0200	0233	1749
	17	0204	0237	1746
	21	0208	0241	1743
	25	0212	0245	1739
	29	0217	0249	1734

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
NOV	2	0413	0442	1456
	6	0418	0447	1451
	10	0423	0452	1446
	14	0428	0457	1442
	18	0433	0503	1438
	22	0438	0508	1435
	26	0442	0512	1432
	30	0446	0517	1430

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
MAR	2	0411	0439	1556
	6	0404	0432	1601
	10	0357	0425	1606
	14	0350	0418	1611
	18	0343	0410	1616
	22	0336	0403	1621
	26	0328	0356	1626
	30	0321	0348	1631

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
AUG	2	0222	0253	1730
	6	0227	0258	1724
	10	0232	0302	1719
	14	0237	0307	1713
	18	0242	0311	1707
	22	0247	0316	1700
	26	0252	0320	1653
	30	0257	0325	1646

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
DEC	4	0451	0521	1429
	8	0454	0525	1429
	12	0458	0529	1429
	16	0501	0532	1430
	20	0503	0534	1431
	24	0505	0536	1433
	28	0506	0537	1436

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
APR	3	0313	0341	1635
	7	0306	0334	1640
	11	0259	0327	1645
	15	0252	0320	1650
	19	0245	0314	1655
	23	0238	0307	1700
	27	0231	0301	1705

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
SEP	3	0301	0329	1639
	7	0306	0334	1632
	11	0311	0339	1625
	15	0316	0343	1617
	19	0320	0348	1610
	23	0325	0352	1602
	27	0330	0357	1555

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
JAN	1	0507	0538	1439
	5	0507	0538	1443
	9	0506	0537	1447
	13	0505	0536	1452
	17	0503	0534	1457
	21	0501	0531	1502
	25	0458	0528	1507
	29	0455	0524	1512

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
MAY	1	0225	0255	1709
	5	0219	0249	1714
	9	0213	0244	1719
	13	0208	0240	1723
	17	0203	0235	1728
	21	0159	0231	1732
	25	0155	0228	1736
	29	0152	0225	1740

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
OCT	1	0334	0402	1548
	5	0339	0406	1541
	9	0344	0411	1533
	13	0349	0416	1527
	17	0353	0421	1520
	21	0358	0426	1513
	25	0403	0431	1507
	29	0408	0436	1501

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
FEB	2	0451	0520	1518
	6	0446	0515	1523
	10	0441	0510	1529
	14	0436	0504	1534
	18	0430	0458	1540
	22	0424	0452	1545
	26	0418	0445	1550

MONTH/ DAY	TWIL FROM	SR	SS	TWIL TO
JUN	2	0149	0223	1743
	6	0147	0221	1746
	10	0146	0220	1749
	14	0145	0220	1751
	18	0146	0220	1752
	22	0146	0221	1753
	26	0148	0222	1754
	30	0150	0224	1754



- b. FOLLOW ME vehicle assistance, may be requested by the pilot via TWR.
- c. Entry to the stand for aircraft shall be made with guidance by the ground dispatcher;
- d. Upon arrival, helicopters will land on the runway and run on the ground / air according to standard runways. From the entrance on TWY F, the commander of the aircraft follows the markings to the point where he sees the ground dispatcher, following his signals until he stop.
- e. If the pilot of a aircraft, operating on TWY F, does not have the ground dispatcher in sight, near the parking position communicated by TWR, he stops the aircraft and requests ATC, his presence.
- f. The starting of the engines will be performed at the signals of the ground dispatcher only.
- g. For aircraft with the letter code "A" or "B": exit from the stand without "push-back" if possible from the point of view of the maneuvering space, is performed only under the guidance of the ground dispatcher.
- h. For aircraft with the code letters "C" and "D": exit from the stand is performed only with push-back or with its own engines if the push-back equipment is not operational and there is maneuvering space.
- i. The helicopters, for departure, taxi on the ground /air, following the marking, from the parking position to the runway.
- 1.2 Helicopter parking area
- a. Helicopters will be parked on the platform in a marked / unmarked position with the guidance of the ground dispatcher.
- b. Repositioning of helicopters on the platform is permitted with air / ground taxiing in compliance with the ground dispatcher's signals.
- 1.3 Taxi - limitations
- a. For aircraft with code letters C and D, after landing in direction 16, turning is permitted only with the use of the turnpad.
- b. Military transport aircrafts which after landing on direction 34, require entry on TWY A and B will taxi on the following routes:
- RWY - TWY C - TWY F - TWY D - RWY
- RWY - TWY D - TWY F - TWY C - RWY
- c. Military transport aircraft requesting entry to the runway for take-off from TWY A and B, on direction 16, will taxi on the following route:
- TWY A or B - RWY - TWY C - TWY F - TWY D - RWY
- d. When stands are not available, TWY C is designated as a waiting area for incoming aircraft.
- e. In order to avoid the effect of the jet blast on the circulation of vehicles and aircraft, the taxi for the departure from the stands, will be performed with the engines in "Idle" mode.
- 1.4 Use of the aerodrome by aircraft exceeding the certified design characteristics of the aerodrome:
- a. On request, it is allowed to operate aircraft A 330-200, after obtaining the approval of the aerodrome operator;
- b. The request will be sent to dispatch@bacauairport.ro, at least 15 days before the flight;
- c. Crews operating aircraft must pay attention to the free wheel height above the threshold when following the PAPI signal;
- d. When landing on heading 34/16, THE exit from the runway will be on TWY D;
- b. Asistența vehicului „FOLLOW ME” poate fi solicitată de pilot prin TWR.
- c. Intrarea la stand se va face cu dirijare de către dispecerul de sol;
- d. Pentru sosire, elicopterele vor ateriza pe pistă și vor rula la sol/aerian conform rutelor standard de rulare. De la intrarea pe TWY F comandantul aeronavei urmează marcajele până la punctul în care are la vedere dispecerul de sol, urmând semnalele acestuia până la oprire.
- e. În cazul în care pilotul unei aeronave, aflată în rula pe TWY F, nu are la vedere dispecerul de sol, în dreptul poziției de parcare comunicate de TWR, oprește aeronava și solicită ATC, prezența acestuia.
- f. Pornirea motoarelor se va executa la semnalele dispecerului de sol.
- g. Pentru aeronave cu litera de cod „A” sau „B”: ieșirea din stand fără „push-back” dacă este posibil din punct de vedere al spațiului de manevră, se efectuează numai sub dirijarea dispecerului de sol.
- h. Pentru aeronave cu litera de cod „C” și „D”: ieșirea din stand se efectuează numai cu „push-back” sau cu propriile motoare dacă echipamentul „push-back” nu este operațional și există spațiu de manevră.
- i. Elicopterele, pentru plecare, rulează la sol/aerian, urmând marcajul, de la poziția de parcare până la pistă.
- 1.2 Zona de parcare pentru elicoptere
- a. Elicopterele vor fi parcate pe platformă pe o poziție marcată/nemarcată la semnalele dispecerului de sol.
- b. Repoziționarea elicopterelor pe platformă este permisă cu rulaj aerian/la sol cu respectarea semnalelor dispecerului de sol.
- 1.3 Rulare - limitări
- a. Pentru aronavele cu litera de cod C și D, după aterizarea pe direcția 16, întoarcerea este permisă doar cu folosirea buzunarului de întoarcere.
- b. Aeronavele militare de transport care după aterizarea pe direcția 34, solicită intrarea pe TWY A și B se vor deplasa pe următoarele trasee:
- RWY - TWY C - TWY F - TWY D - RWY
- RWY - TWY D - TWY F - TWY C - RWY
- c. Aeronavele militare de transport care solicită intrarea la pista pentru decolare de pe TWY A și B, pe direcția 16, se vor deplasa pe următorul traseu:
- TWY A sau B - RWY - TWY C - TWY F - TWY D - RWY
- d. Când standurile nu sunt disponibile, TWY C este desemnată ca zonă de așteptare pentru aeronavele care sosesc.
- e. Pentru evitarea efectului suflului motoarelor asupra circulației autovehiculelor și aeronavelor, rulajul pentru plecarea de la standuri, se va efectua cu motoarele în regim „Idle”.
- 1.4 Utilizarea aerodromului de către aeronave care depășesc caracteristicile de proiectare certificate ale aerodromului:
- a. La cerere, se permite operarea aeronavelor A 330-200, după obținerea aprobării operatorului de aerodrom;
- b. Solicitarea va fi transmisă pe adresa dispatch@bacauairport.ro, cu minim 15 zile înaintea zborului;
- c. Echipajele trebuie să acorde atenție înălțimii libere la roata deasupra pragului când urmează semnalul PAPI;
- d. La aterizarea pe direcția 34/16, ieșirea de pe pistă se va efectua pe TWY D;

- e. When landing on heading 16 or take-off on heading 34, on the 180 degree turn on the turn pad at the end of the runway, the aircraft will initiate the turn to align with the runway before the mark so that the "aircraft nose" is aligned with the mark instead of jamb.
- f. Exit from the parking position and entry to the runway will be on TWY D.

- e. La aterizarea pe direcția 16 sau la alinierea pentru decolare pe direcția 34, la virajul de 180 de grade în buzunarul din capătul pistei, aeronava va iniția virajul de aliniere cu pista înainte de marcaj, astfel încât "aircraft nose" să fie aliniat cu marcajul în loc de jamba.
- f. ieșirea din poziția de parcare și intrarea la pistă se va efectua pe TWY D.

2. STANDARD TAXI ROUTES / RUTELE STANDARD DE RULARE

The following taxi routes are available for taxiing on LRBC.

Următoarele rute de rulare sunt disponibile pe LRBC.

2.1 ARRIVAL INFORMATION/ INFORMAȚII LA SOSIRE

	Taxiways to be followed / Traseu de urmat			STD route	Remarks / Remarci	LVO	
	TO	APRON	On				
ARR on RWY 16	TO	APRON	On	TWY D, F	ARR1	-	Used for LVP
				TWY C, F	ARR2	-	Used for LVP
ARR on RWY 34	TO	APRON	On	TWY D, F	ARR1	-	Used for LVP
				TWY C, F	ARR2	-	Used for LVP

2.2 DEPARTURE INFORMATION/INFORMAȚII LA PLECARE

	Taxiways to be followed / Traseu de urmat			STD route	Remarks / Remarci	LVO	
	TO	RWY 16	On				
DEP from APRON	TO	RWY 16	On	TWY F, D	DEP1	-	Used for LVP
DEP from APRON	TO	RWY 34	On	TWY F, D	DEP1	-	Used for LVP
				TWY F, C	DEP2	-	Used for LVP

LRBC AD 2.21 NOISE ABATEMENT PROCEDURES

See AD 1.1-3

LRBC AD 2.22 FLIGHT PROCEDURES

1. LOW VISIBILITY PROCEDURES / PROCEDURI ÎN CONDIȚII DE VIZIBILITATE REDUSĂ

1.1 Description of facilities

- (a) Runway 16 is equipped with ILS/DME with the characteristics specified at LRBC AD 2.19 RADIO NAVIGATION AND LANDING AIDS and 3 transmitters (threshold, middle and end)
- (b) Runway 34 is equipped with ILS/DME with the characteristics specified at LRBC AD 2.19 RADIO NAVIGATION AND LANDING AIDS and 3 transmitters (threshold, middle and end)

1.2 Criteria for the initiation and termination of LVP

(a) Approach and landing

- (1) The preparation phase will be triggered when in meteorological messages the RVR value is 800m or less, or, in the absence of RVR, the horizontal visibility value is 1500m or less, or the base of the ceiling/vertical visibility value is 150m (500ft) or less.
- (2) The operational phase will be triggered only when in meteorological messages the RVR is 550m or less, or, in the absence of RVR, the horizontal visibility value is 800m or less, or the base of the ceiling/vertical visibility value is 60m (150ft) or less.
- (3) Procedures in low visibility conditions will be terminated when in meteorological messages, the RVR value is 800m or more, or, in the absence of RVR, the horizontal visibility value is 1500 m or more, and the base of the ceiling/vertical visibility value is 300m (90ft) or more.

(b) Take-off

- (1) The triggering of the LVP shall be requested at least 30 minutes prior to EOBT/CTOT, to allow for appropriate preparations.

1.1 Descrierea facilităților

- (a) Pista 16 este echipată cu ILS/DME cu caracteristicile precizate la LRBC AD 2.19 RADIO NAVIGATION AND LANDING AIDS și 3 transmisiometre (prag, mijloc și end)
- (b) Pista 34 este echipată cu ILS/DME cu caracteristicile precizate la LRBC AD 2.19 RADIO NAVIGATION AND LANDING AIDS și 3 transmisiometre (prag, mijloc și end)

1.2 Criterii pentru inițierea și terminarea LVP

(a) Apropierea și aterizarea

- (1) Faza de pregătire va fi declanșată atunci când în mesajele meteorologice RVR are valoarea de 800m sau mai puțin, sau dacă RVR este indisponibil, vizibilitatea orizontală are valoarea de 1500m sau mai puțin, sau plafonul norilor/vizibilitatea verticală are valoarea de 150m (500ft) sau mai puțin.
- (2) Faza operațională a LVP se declanșează doar atunci când în mesajele meteorologice RVR are valoarea de 550 m sau mai puțin, sau dacă RVR este indisponibil, vizibilitatea orizontală are valoarea de 800 m sau mai puțin, sau plafonul norilor/vizibilitatea verticală are valoarea de 60m (200ft) sau mai puțin.
- (3) Procedurile în condiții de vizibilitate redusă vor fi încheiate atunci când în mesajele meteorologice, RVR are valoarea de 800m sau mai mult, sau, dacă RVR este indisponibil, vizibilitatea orizontală are valoarea de 1500m sau mai mult, și plafonul norilor/vizibilitatea verticală are valoarea de 300m (90ft) sau mai mult.

(b) Decolarea

- (1) Declanșarea LVP, va trebui solicitată cu minim 30 de minute înainte de EOBT/CTOT, pentru a permite pregătirile corespunzătoare.

1.3 Ground marking and lighting according to LRBC AD 2.9 SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKINGS

1.4 Remarks

- (a) Details of runway exits
(1) Pilots shall report "Runway Clear" only after the aircraft has passed the green/yellow light coded segment of the C and D taxiway axis, respectively the runway vacated signs.
- (b) Restrictions on ground movement
(1) During the LVP operational phase, only one aircraft will be authorized to taxi on the maneuvering area of "George Enescu" Bacău International Airport
(2) After obtaining taxi clearance, the aircraft shall enter the taxiway only when the green axial lights are on.
- (c) Simulated CAT II Approaches
(1) Before performing a LVP approach simulation, the pilot is obliged to submit a request to ATCO TWR Bacău.

1.3 Marcaj și balizaj conform LRBC AD 2.9 SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKINGS

1.4 Remarci

- (a) Detalii privind iesirea de la pista
(1) Piloții vor raporta "Pista liberă" numai după ce aeronava a depășit segmentul codat cu lumini verde/galben al axului căilor de rulare C și D, respectiv panourile de informare cu privire la degajarea pistei.
- (b) Restricții privind mișcarea la sol
(1) Pe timpul fazei operaționale LVP, pe suprafața de manevră a Aeroportului Internațional „George Enescu” Bacău va fi autorizat rulajul unei singure aeronave,
(2) După obținerea autorizării de rulare, aeronava va intra pe calea de rulare doar atunci când luminile verzi axiale sunt aprinse.
- (c) Apropieri CAT II în condiții LVP simulate
(1) Înainte de efectuarea unei simulări de apropiere LVP, pilotul este obligat să transmită o solicitare către CTAO TWR Bacău.

LRBC AD 2.23 ADDITIONAL INFORMATION

1. Warning for bird hazard

a) There may be concentrations of birds on or near "George Enescu" Bacău International Airport. The feeding areas are delimited by the city's landfill and the minor riverbed of the Bistrița River in its vicinity. The agricultural area is used by birds especially in spring and autumn when agricultural work is carried out exposing seeds and small animals. The directions of movement of the birds and the maximum heights reached are represented on chart AD 2.2-46.

b) Pilots are asked to be careful when taking off and while approaching for landing.

c) To remove birds, laser systems are used that scan at ground level and whose reflection is likely to be observed by pilots at night.

2. Removal of disabled aircraft

a) Bacău "George Enescu" International Airport does not have equipments of removal of the accidental blocked aircrafts in movement surface and adjacent safety strip.

b) Aircraft operators are responsible for removing accidentally immobilized aircraft on the moving surface and the adjacent safety strip.

c) Bacău "George Enescu" International Airport can provides airline operators with contact details of companies owning equipment and machinery capable of removing accidentally fixed aircraft.

1. Avertizare pentru pericol de păsări

a) Pot exista concentrații de păsări pe sau în apropierea Aeroportului Internațional „George Enescu” Bacău.

Zonele de hrănire sunt delimitate de groapa de gunoi a orașului și albia minoră a râului Bistrița din vecinătatea acesteia. Zona agricolă este folosită de păsări în special primăvara și toamna când se efectuează lucrări agricole care expun semințe și animale mici. Direcțiile de deplasare ale păsărilor și înălțimile maxime atinse sunt reprezentate pe harta AD 2.2-46.

b) Piloții sunt rugați să fie precauți la decolare și în timp ce se apropie pentru aterizare.

c) Pentru îndepărtarea păsărilor se folosesc sisteme laser care baleiază la nivelul solului și a căror reflexie este posibil să fie observată de piloți pe timpul nopții.

2. Îndepărtarea aeronavelor imobilizate

a) Aeroportul Internațional "George Enescu" Bacău nu dispune de echipamente și utilaje de înlăturare a aeronavelor imobilizate accidental pe suprafața de mișcare și benzile de siguranță adiacente.

b) Operatorii aeriieni sunt răspunzători de înlăturarea aeronavelor imobilizate accidental pe suprafața de mișcare și benzile de siguranță adiacente.

c) Aeroportul Internațional "George Enescu" Bacău poate pune la dispoziție operatorilor aeriieni date de contact ale firmelor ce dețin echipamente și utilaje capabile să înlătore aeronavele imobilizate accidental.

LRBC AD 2.24 CHARTS RELATED TO THE AERODROME

Aerodrome Chart - ICAO	AD 2.2-20
Aircraft Parking/Docking Chart - ICAO	AD 2.2-22
Aerodrome Obstacle Chart - ICAO - Type A	
RWY 16	AD 2.2-25
RWY 34	AD 2.2-26
Precision Approach Terrain Chart - ICAO	
RWY 16	AD 2.2-28
RWY 34	AD 2.2-29
Standard Departure Charts - Instrument - ICAO	
RWY 16	AD 2.2-30
RWY 34	AD 2.2-31
Bird concentrations in the vicinity of the aerodrome	AD 2.2-46
Instrument Approach Charts - ICAO	
ILS X RWY 16	AD 2.2-50
ILS Z RWY 16	AD 2.2-51
ILS Y RWY 16	AD 2.2-52
ILS Z RWY 34	AD 2.2-53
ILS Y RWY 34	AD 2.2-54
RNP RWY 16	AD 2.2-71
RNP RWY 34	AD 2.2-72
NDB Z RWY 16	AD 2.2-91



NDB Y RWY 16.....	AD 2.2-92
NDB Z RWY 34.....	AD 2.2-93
NDB Y RWY 34.....	AD 2.2-94

LRBC AD 2.25 VISUAL SEGMENT SURFACE (VSS) PENETRATION

Not applicable.

LRBS AD 2.1 AERODROME LOCATION INDICATOR AND NAME
LRBS - BUCUREȘTI / Băneasa - Aurel Vlaicu

LRBS AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	ARP coordinates and site at AD	443013N 0260613E 070° MAG 1480 M from THR 07.
2	Direction and distance from city	8.5 km North from București
3	Elevation/Reference temperature/Mean low temperature	299 FT / 32.9°C / -9°C
4	Geoid undulation at AD ELEV PSN	115 FT
5	MAG VAR/ Annual rate of change	5°E (2010)
6	AD Administration, address, telephone, telefax, e-mail, AFS, website	Compania Națională Aeroporturi București Calea București nr. 224 E, Otopeni, ILFOV Tel: +40-(0)21-2013304 +40-(0)21-2041000; +40-(0)21-2014000 Tel/Fax: +40-(0)21-2014990; +40-(0)21-3126866 AFS: LRBSRAYD SITA: OTPAPXH web: www.cnab.ro e-mail: contact@cnab.ro Aeroportul Internațional București / Băneasa - Aurel Vlaicu Șos. București-Ploiești, nr. 40, sect. 1, București Tel: +40-(0)21-2320020 Tel/Fax: +40-(0)21-2323687; +40-(0)21-2323762 (H24) AFS: LRBSRAYD SITA: BSAYDRO
7	Types of traffic permitted (IFR/VFR)	IFR/VFR
8	Remarks	NIL

LRBS AD 2.3 OPERATIONAL HOURS

1	AD Operator	H24 see AD 2.21
2	Customs and immigration	H24
3	Health and sanitation	H24
4	AIS Briefing Office	H24
5	ATS Reporting Office (ARO)	H24
6	MET Briefing Office	H24
7	ATS	H24
8	Fuelling	H24
9	Handling	H24
10	Security	H24
11	De-icing	H24
12	Remarks	NIL

LRBS AD 2.4 HANDLING SERVICES AND FACILITIES

1	Cargo-handling facilities	4 wide-body stairs, 1 GPU 28V/115V, 1 heater, 1 air starter unit (on request 2 hours prior notice), 1 highloader, 1 luggage belt, 1 forklift, 1 lavatory service unit, 1 water toilet unit.
2	Fuel/Oil types	Kerosene JET A1 / NIL AVGAS 100LL/NIL
3	Fuelling facilities/capacity	JET A1: Storage: 100m ³ Refueler: 2 with 45t, 1 with 36t, 1 with 35t, 1 with 20t, 1 with 8t. Skid mob: 2 with 0.9t. AVGAS: Storage: 3 with 1t Refueler: 1 with 8t, 1 with 6.5t, 1 with 5.5t. Skid mob: 1 with 0.9t
4	De-icing facilities	2 de-icing units with fluid Type I and IV.
5	Hangar space for visiting aircraft	NIL
6	Repair facilities for visiting aircraft	NIL
7	Remarks	NIL

LRBS AD 2.5 PASSENGER FACILITIES

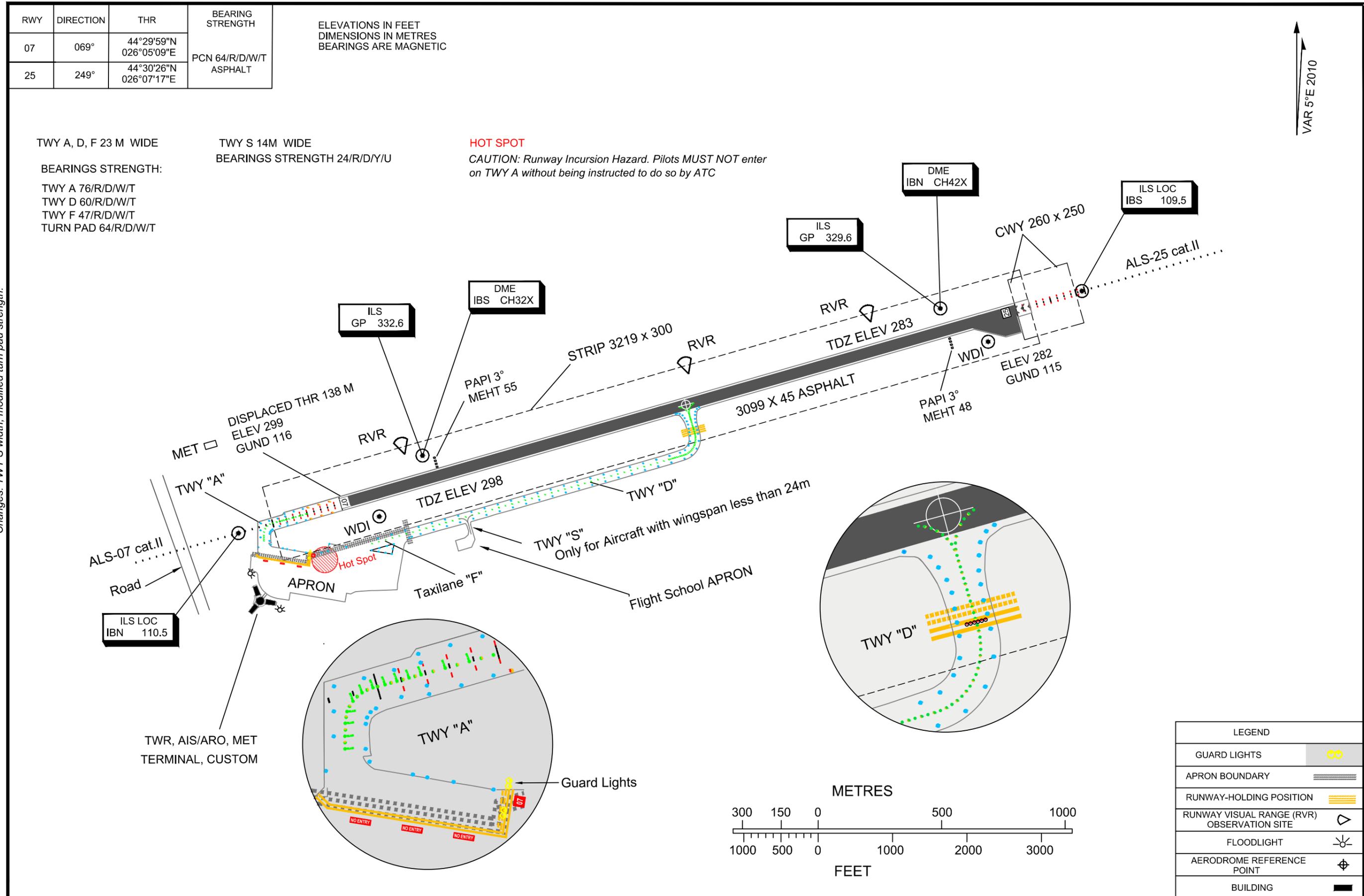
1	Hotels	Hotels in the city.
2	Restaurants	Restaurants in the city.
3	Transportation	Buses, tram, taxis from the AD.
4	Medical facilities	First aid at the AD, hospitals in the city.
5	Bank and Post Office	Bank and Post Office in the city.
6	Tourist Office	In the city.
7	Remarks	Terminal capacity is 160 pax/hour. Before filling LRBS as a destination or alternate airport contact airport administration at LRBSRAYD, BBU AVXH, contact@cnab.ro.

AERODROM CHART - ICAO

44° 30' 13" N
026° 06' 13" E
ELEV 299FT

BANEASA TWR 125.205
BANEASA TWR ALTN 120.800
BANEASA GROUND 129.950

BUCUREȘTI / Băneasa - Aurel Vlaicu (LRBS)

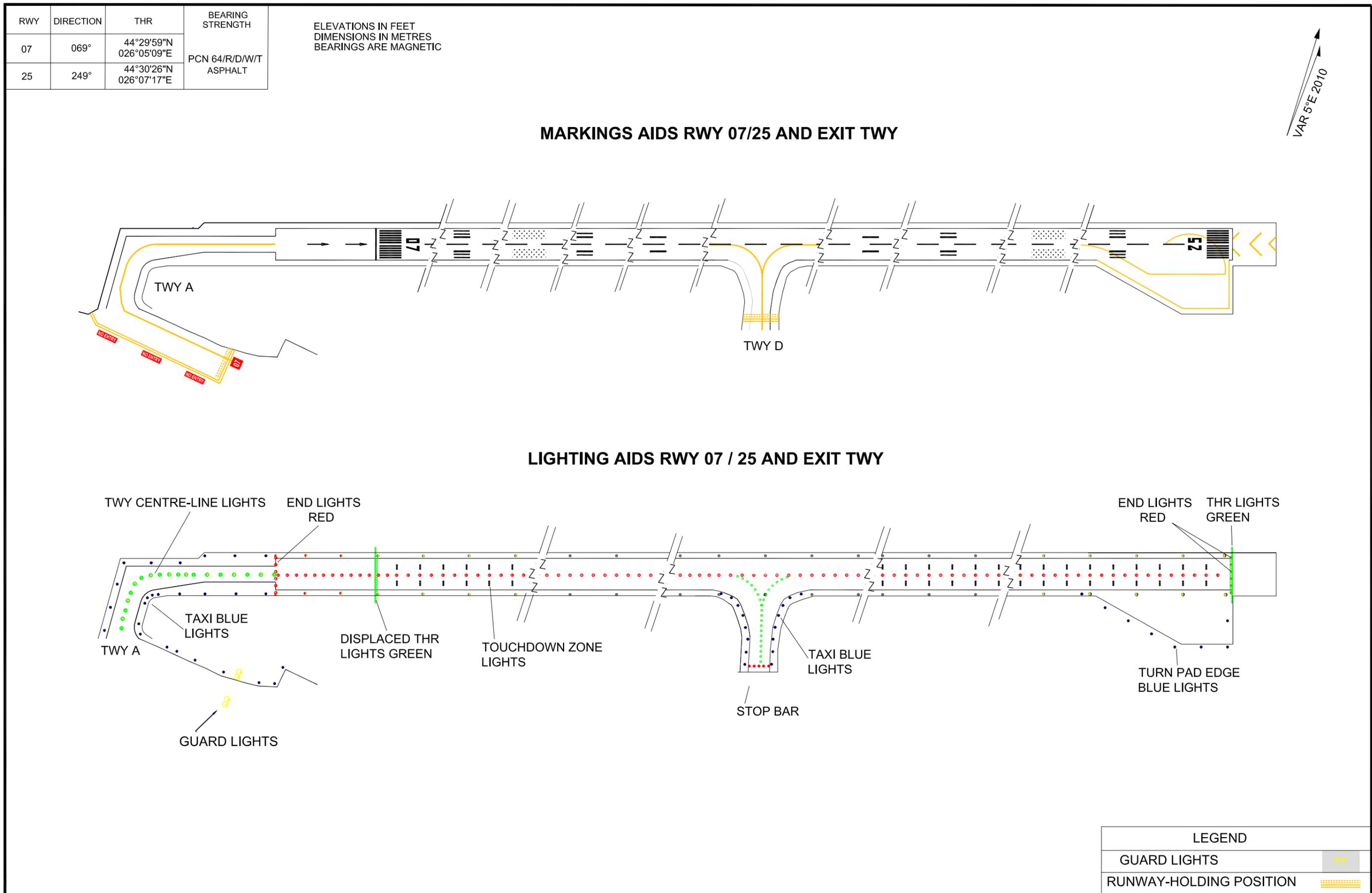


BUCUREȘTI / Băneasa - Aurel Vlaicu (LRBS)

44° 30' 13" N
026° 06' 13" E
ELEV 299FT

BANEASA TWR 125.205
BANEASA TWR ALTN 120.800
BANEASA GROUND 129.950

AERODROME CHART - ICAO



AIRCRAFT PARKING / DOCKING CHART - ICAO

APRON ELEV
298 FT

BANEASA TWR 125.205
BANEASA TWR ALTN 120.800
BANEASA GROUND 129.950

BUCUREȘTI / Băneasa - Aurel Vlaicu (LRBS)

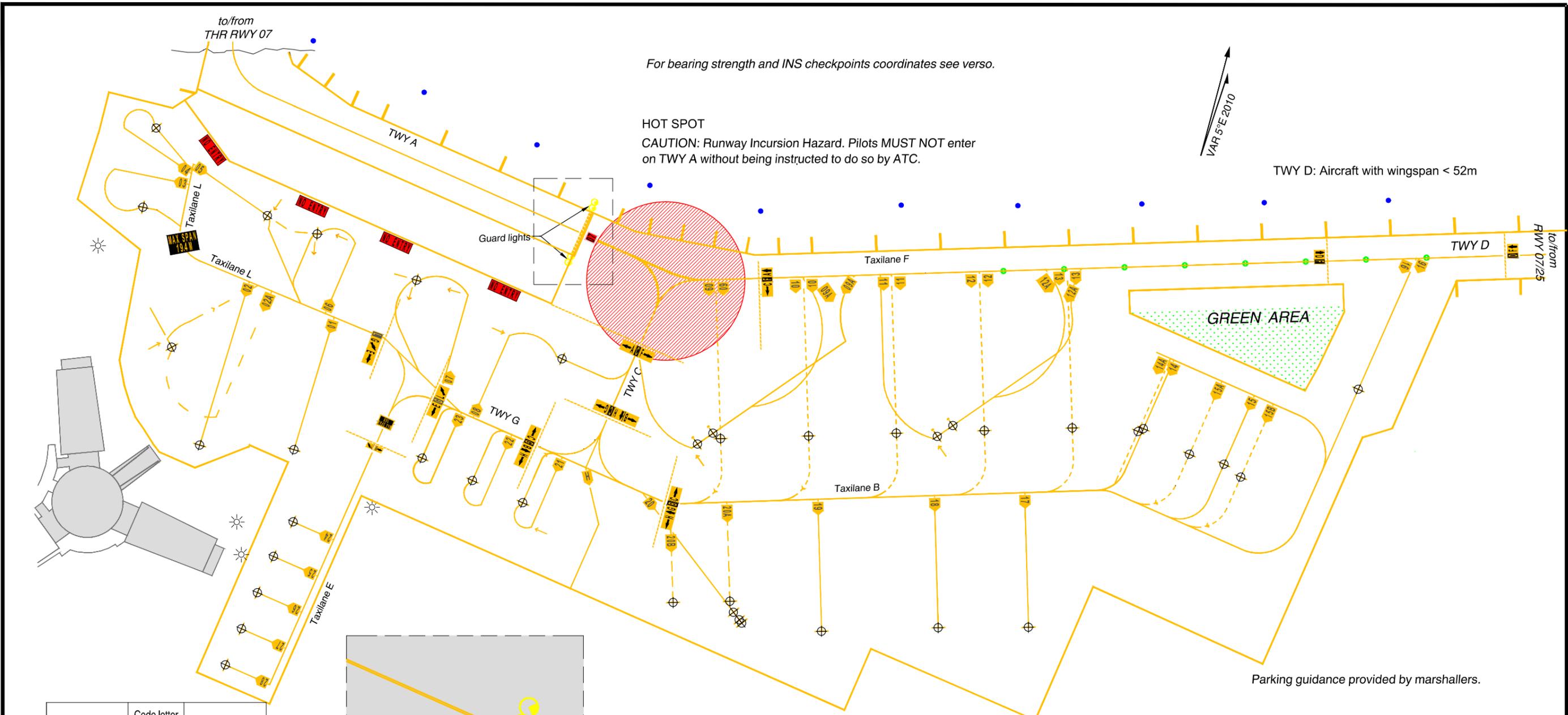
For bearing strength and INS checkpoints coordinates see verso.

HOT SPOT
CAUTION: Runway Incursion Hazard. Pilots MUST NOT enter on TWY A without being instructed to do so by ATC.

VAR 5°E 2010

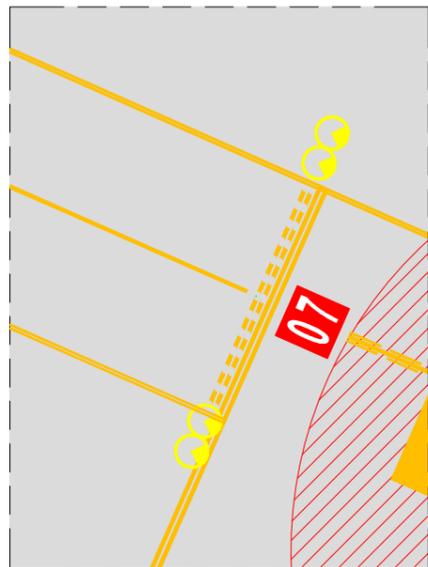
TWY D: Aircraft with wingspan < 52m

Changes: Intermediate holding position added/removed/modified.



Parking guidance provided by marshallers.

Stands	Code letter /Maxspan	Strenght
01-02, 02A	C	47/R/D/W/T
03	B/17.65M	38/R/D/W/T
04	A	38/R/D/W/T
05	B/19.4M	39/R/D/W/T
06	A/14.57M	39/R/C/W/T
07	B/21.2M	39/R/D/W/T
08	C/27.5M	39/R/D/W/T
09-15	C	46/R/D/W/T
09A, 12A	D	46/R/D/W/T
14A, 15A, 15B	B	46/R/D/W/T
16	B/L<28M	under surveillance
17-20	C	39/R/D/W/T
20A, 20B	B/21.2M	39/R/D/W/T
21-23	A	39/R/D/W/T
24-28	A/12M	17/R/C/W/T



Guard lights on TWY A

TWY ID	TWY type	TWY Code letter	TWY width	TWY strenght	Maximum wingspan/d max
A	taxiway	D	23M	76/R/D/W/T	52M
D	taxiway	D	23M	60/R/D/W/T	52M
B	taxilane	C	18M	45/R/D/W/T	36M
C	apron taxiway	C	18M	41/R/D/W/T	36M
E	taxilane	A	7M	17/R/C/W/T	12M
F	taxilane	D	23M	47/R/D/W/T	52M
G	apron taxiway	C	18M	39/R/D/W/T	36M
L	taxilane	C	18M	45/R/D/W/T	36M
H	ground taxiway	helicopter	44M	44/R/D/W/T	

METRES



LEGEND	
GUARD LIGHTS	
AIRCRAFT RESTRICTION	
TWY MARKING FOR ALTERNATE STANDS	
TAXI GUIDANCE LINE	
TO AIRCRAFT STAND	
FLOODLIGHT	
APRON EDGE LIGHTS	
TWY CENTRE-LINE LIGHTS	
INTERMEDIATE HOLDING POSITION	
BUILDING	
INS CHECK POINT	
RUNWAY-HOLDING POSITION	

Rezistența suprafeței/ Strength	Coordonate INS poziții de staționare/ INS coordinates of stands			Procedura de parcare/Parking procedure
	Poziție de staționare/ Stand	Latitudine/latitude	Longitudine/longitude	Remarks
47/R/D/W/T	01	44°29'47.58"N	026°04'57.48"E	Marshaller assistance
	02	44°29'48.53"N	026°04'54.32"E	Marshaller assistance
	02A	44°29'48.65"N	026°04'54.35"E	Marshaller assistance
38/R/D/W/T	03	44°29'50.65"N	026°04'52.99"E	Marshaller assistance
	04	44°29'51.90"N	026°04'52.84"E	Marshaller assistance
39/R/D/W/T	05	44°29'51.01"N	026°04'55.66"E	Marshaller assistance
	06	44°29'50.92"N	026°04'56.80"E	Marshaller assistance
	07	44°29'50.61"N	026°04'59.15"E	Marshaller assistance
	08	44°29'49.99"N	026°05'02.64"E	Marshaller assistance
46/R/D/W/T	09	44°29'49.40"N	026°05'06.41"E	Marshaller assistance
	09A-1	44°29'49.45"N	026°05'06.22"E	Marshaller assistance
	09A-2	44°29'49.23"N	026°05'05.95"E	Marshaller assistance
	10	44°29'49.78"N	026°05'08.25"E	Marshaller assistance
	11	44°29'50.16"N	026°05'10.09"E	Marshaller assistance
	12	44°29'50.54"N	026°05'11.93"E	Marshaller assistance
	12A-1	44°29'50.50"N	026°05'11.24"E	Marshaller assistance
	12A-2	44°29'50.27"N	026°05'10.97"E	Marshaller assistance
	13	44°29'50.92"N	026°05'13.77"E	Marshaller assistance
	14	44°29'51.19"N	026°05'15.27"E	Marshaller assistance
	14A	44°29'51.12"N	026°05'15.17"E	Marshaller assistance
	15	44°29'50.96"N	026°05'17.16"E	Marshaller assistance
	15A	44°29'50.98"N	026°05'16.38"E	Marshaller assistance
	15B	44°29'50.83"N	026°05'17.58"E	Marshaller assistance
To be surveyed	16	44°29'52.61"N	026°05'19.58"E	Marshaller assistance
44/R/D/W/T	17	44°29'47.75"N	026°05'13.92"E	Marshaller assistance
	18	44°29'47.39"N	026°05'12.02"E	Marshaller assistance
	19	44°29'46.89"N	026°05'09.58"E	Marshaller assistance
	20-1	44°29'46.83"N	026°05'07.62"E	Marshaller assistance
	20-2	44°29'46.74"N	026°05'07.79"E	Marshaller assistance
	20-3	44°29'46.70"N	026°05'07.85"E	Marshaller assistance
	20A	44°29'46.98"N	026°05'07.49"E	Marshaller assistance
	20B	44°29'46.75"N	026°05'06.30"E	Marshaller assistance
	21	44°29'47.67"N	026°05'02.59"E	Marshaller assistance
	22	44°29'47.81"N	026°05'01.41"E	Marshaller assistance
To be surveyed	23	44°29'47.95"N	026°05'00.22"E	Marshaller assistance
	24	44°29'46.49"N	026°04'57.85"E	Marshaller assistance
	25	44°29'45.89"N	026°04'57.62"E	Marshaller assistance
	26	44°29'45.29"N	026°04'57.48"E	Marshaller assistance
	27	44°29'44.68"N	026°04'57.34"E	Marshaller assistance
	28	44°29'44.07"N	026°04'57.20"E	Marshaller assistance

Cale de rulare de platformă/ Apron taxilane	Rezistența suprafeței/ Strength
taxilane B, L	45/R/D/W/T
TWY C	41/R/D/W/T
taxilane E	17/R/C/W/T
taxilane F	47/R/D/W/T
TWY G	39/R/D/W/T
taxilane H	44/R/D/W/T