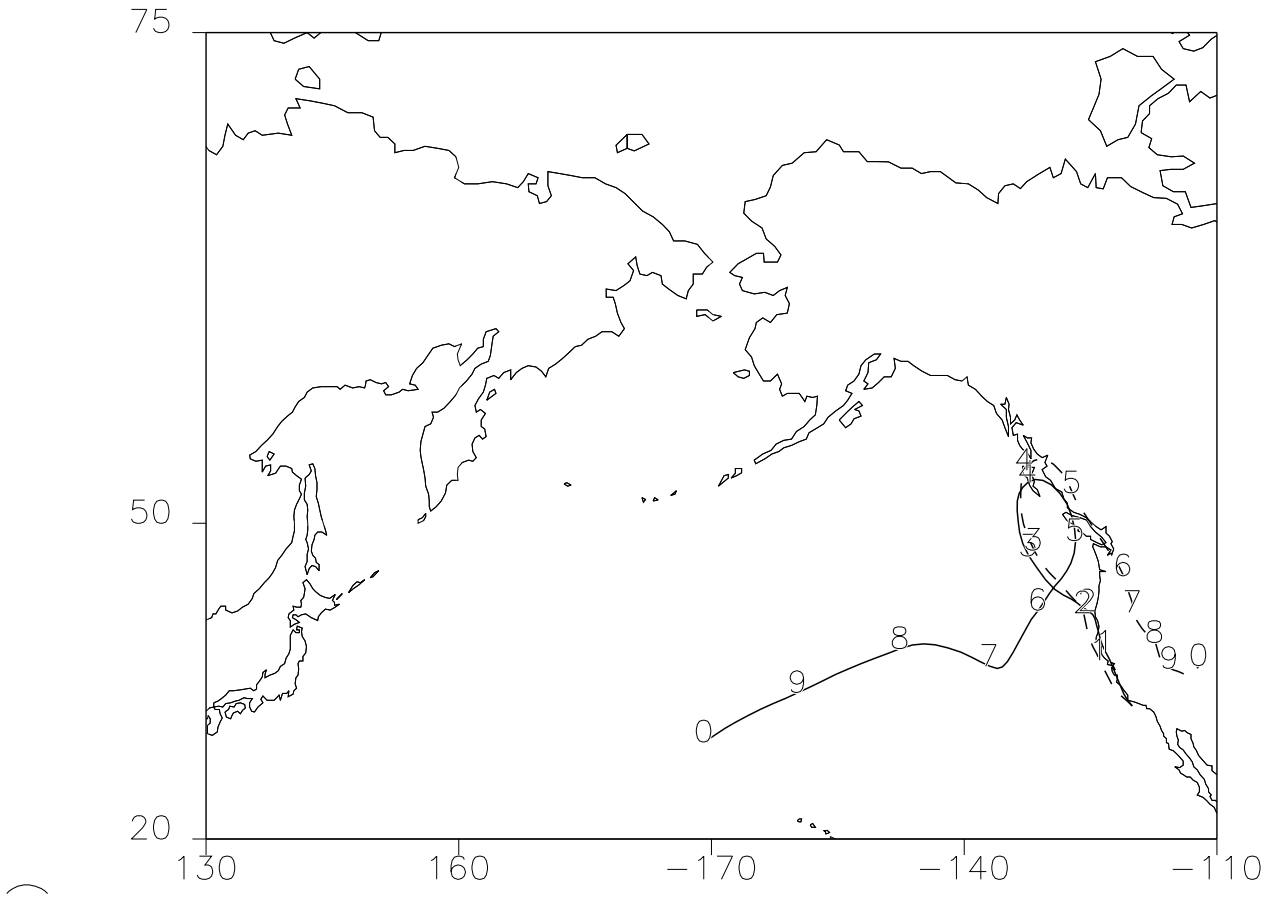
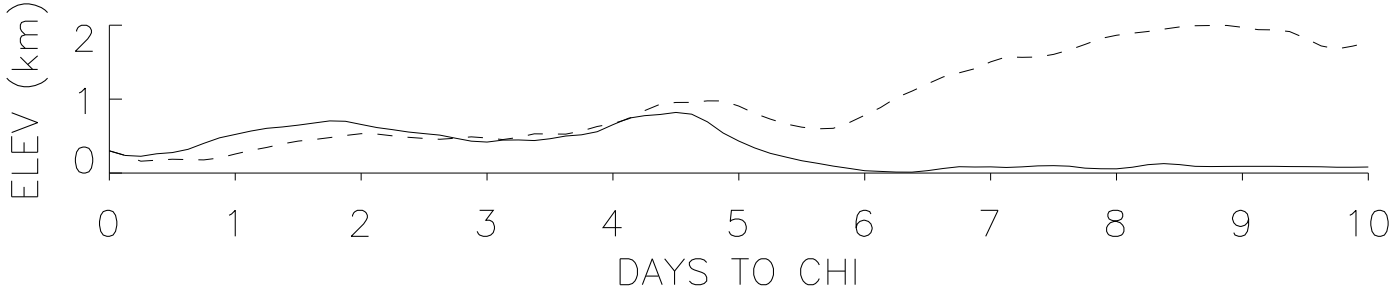
3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/1/2004 (Day of Year 61)
NCEP/NCAR Reanalysis 1 Data Set





00UT

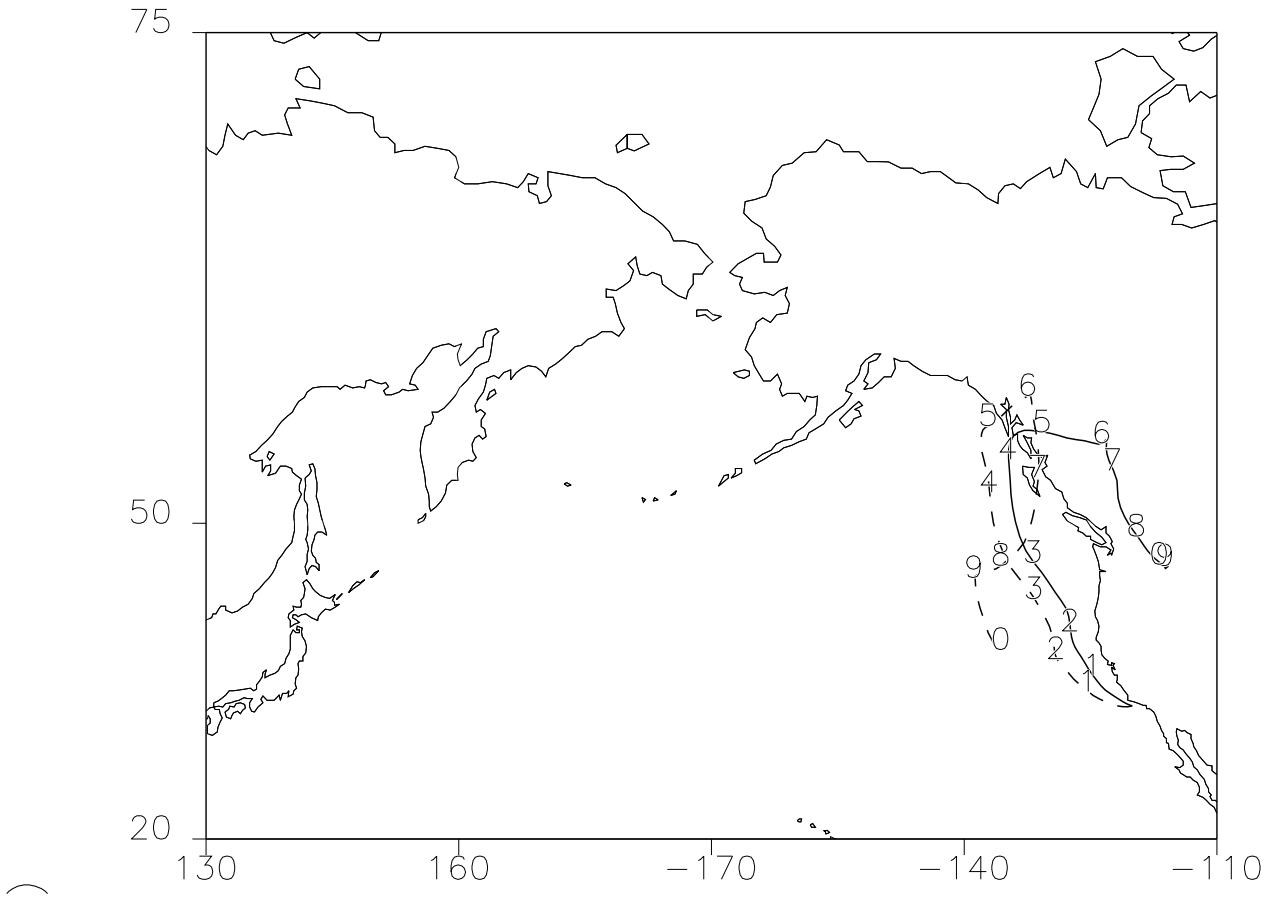
Day	km	hPa	C
0	0.3	982	12
1	0.5	960	8
2	0.7	942	5
3	0.4	952	5
4	0.7	921	3
5	0.4	946	6
6	0.0	991	10
7	0.1	1000	12
8	0.1	999	13
9	0.1	1000	15
10	0.1	1000	19

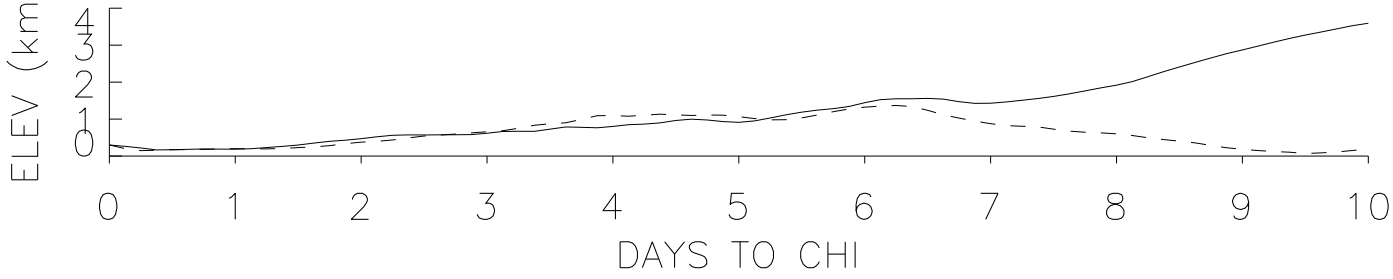
06UT

Day	km	hPa	C
0	0.3	983	11
1	0.3	993	9
2	0.5	960	6
3	0.5	951	6
4	0.7	918	3
5	0.9	896	2
6	0.8	916	5
7	1.5	840	1
8	1.9	805	−2
9	2.0	797	−2
10	1.8	823	−2

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/1/2004 (Day of Year 61)
NCEP/NCAR Reanalysis 1 Data Set





12UT

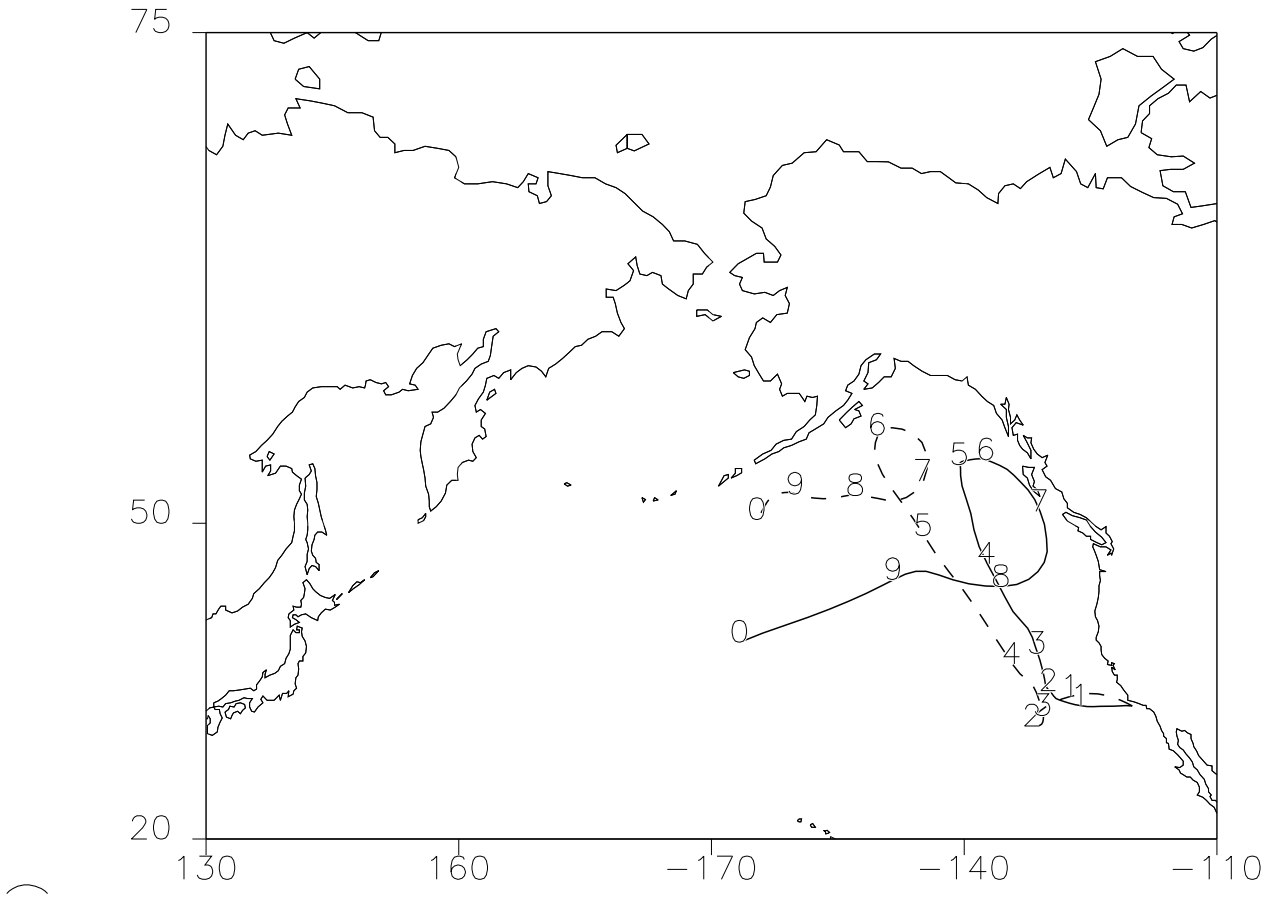
Day	km	hPa	C
0	0.3	981	10
1	0.2	1000	10
2	0.5	969	6
3	0.6	939	3
4	0.8	905	2
5	0.9	895	−1
6	1.4	843	−4
7	1.4	844	1
8	1.9	797	−4
9	2.9	709	−6
10	3.6	651	−10

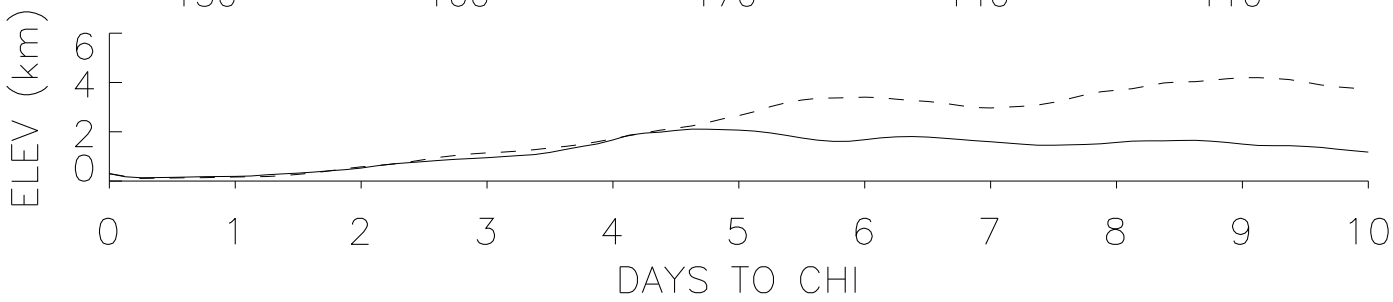
18UT

Day	km	hPa	C
0	0.3	981	12
1	0.2	1000	11
2	0.4	982	9
3	0.7	942	3
4	1.1	877	0
5	1.1	878	−3
6	1.3	855	−6
7	0.9	897	−1
8	0.6	925	4
9	0.2	980	7
10	0.2	995	11

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/2/2004 (Day of Year 62)
NCEP/NCAR Reanalysis 1 Data Set





00UT

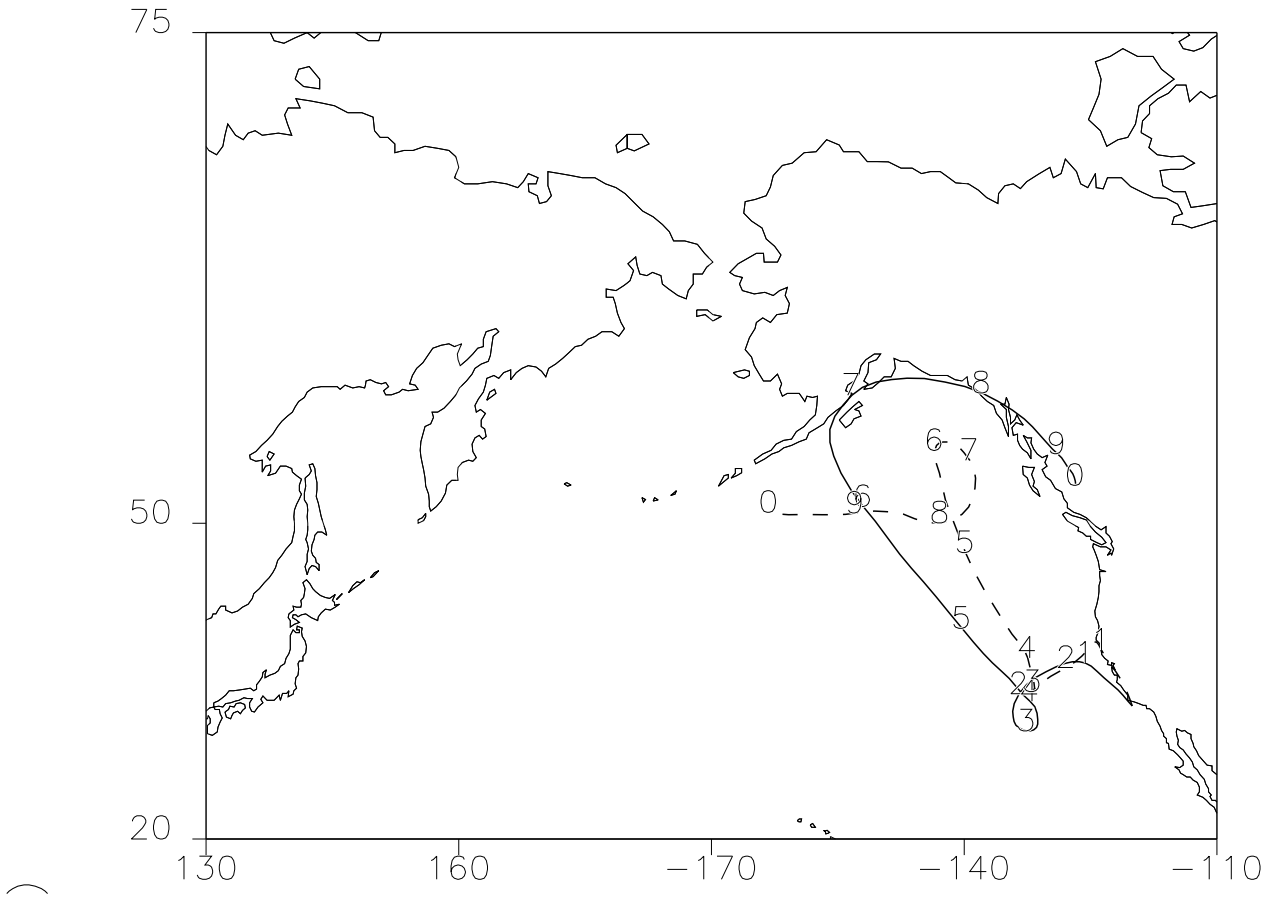
Day	km	hPa	C
0	0.3	977	10
1	0.2	1000	10
2	0.5	963	7
3	0.9	913	2
4	1.7	822	−4
5	2.1	773	−9
6	1.7	812	−5
7	1.6	824	−4
8	1.6	824	−4
9	1.5	830	−1
10	1.2	863	3

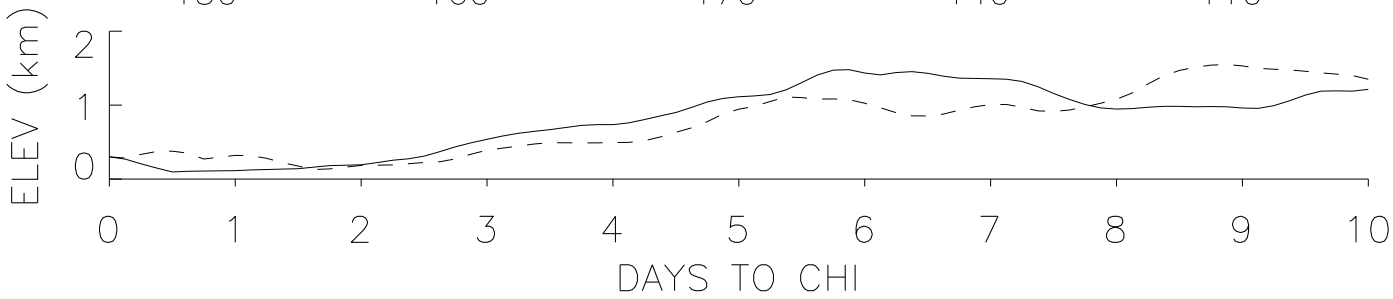
06UT

Day	km	hPa	C
0	0.3	975	10
1	0.2	1000	13
2	0.6	960	8
3	1.1	895	4
4	1.7	827	1
5	2.7	720	−11
6	3.4	648	−19
7	3.0	680	−16
8	3.7	617	−21
9	4.2	572	−25
10	3.7	608	−20

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/2/2004 (Day of Year 62)
NCEP/NCAR Reanalysis 1 Data Set





12UT

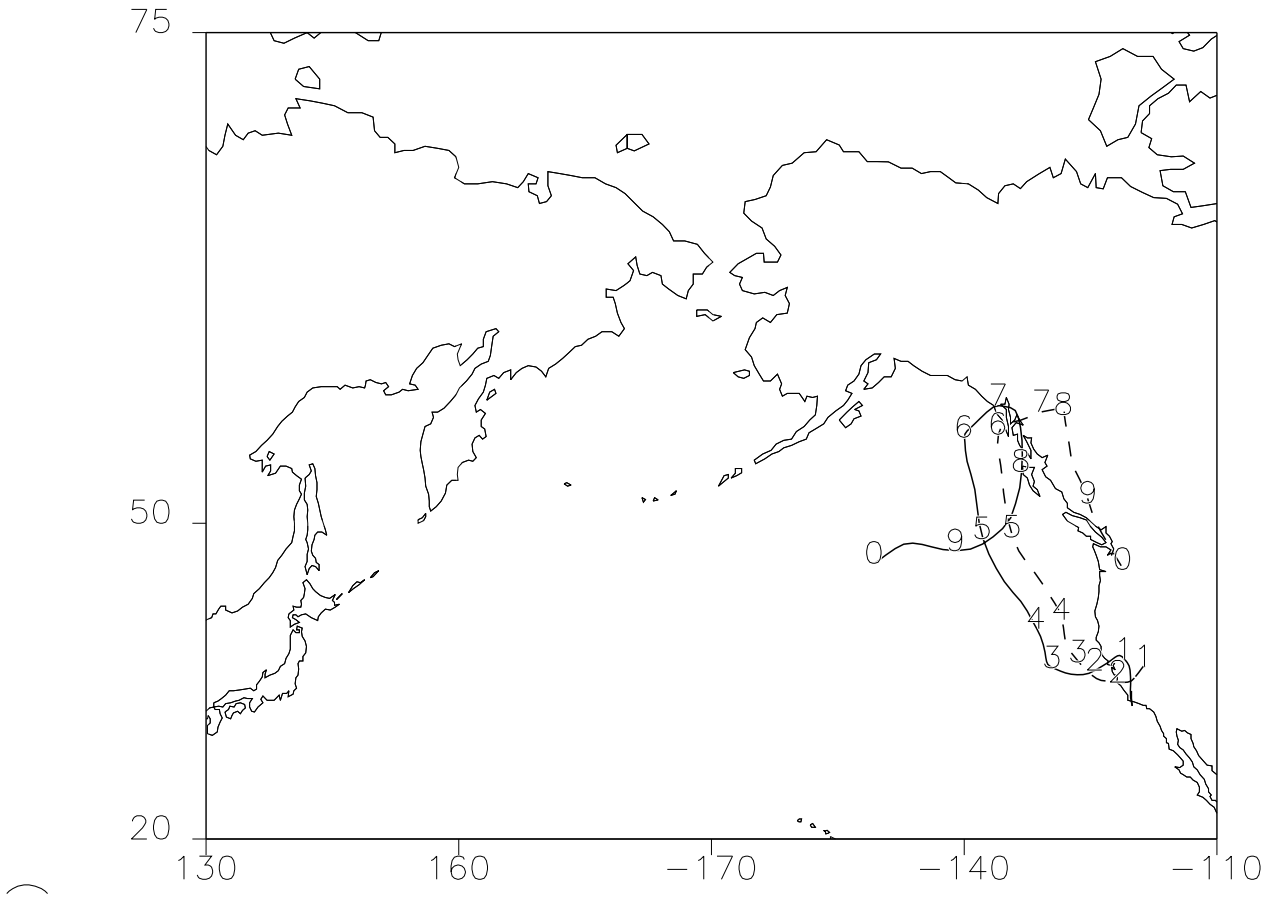
Day	km	hPa	C
0	0.3	972	9
1	0.1	1000	11
2	0.2	1000	12
3	0.5	963	8
4	0.7	934	5
5	1.1	885	−1
6	1.4	842	−6
7	1.4	841	−5
8	0.9	889	−2
9	1.0	896	−1
10	1.2	875	0

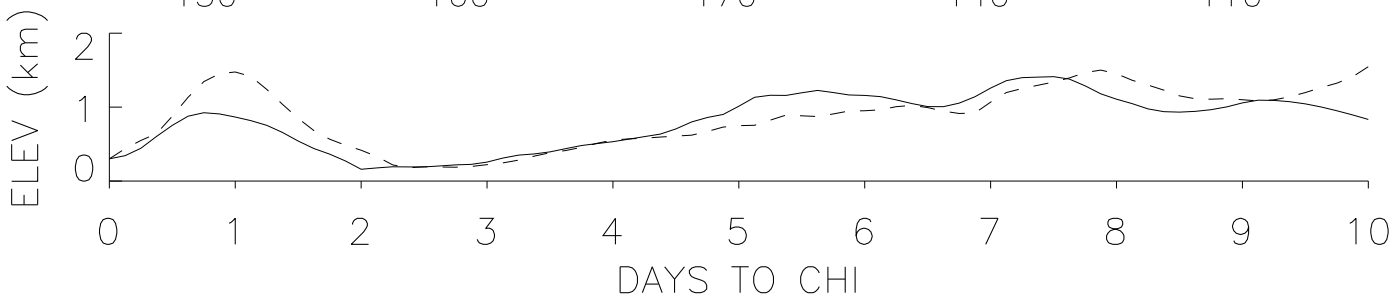
18UT

Day	km	hPa	C
0	0.3	973	10
1	0.3	974	8
2	0.2	1000	11
3	0.4	982	9
4	0.5	965	6
5	0.9	900	−2
6	1.0	883	−3
7	1.0	884	−3
8	1.1	868	−5
9	1.5	820	−7
10	1.3	828	−6

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/3/2004 (Day of Year 63)
NCEP/NCAR Reanalysis 1 Data Set





00UT

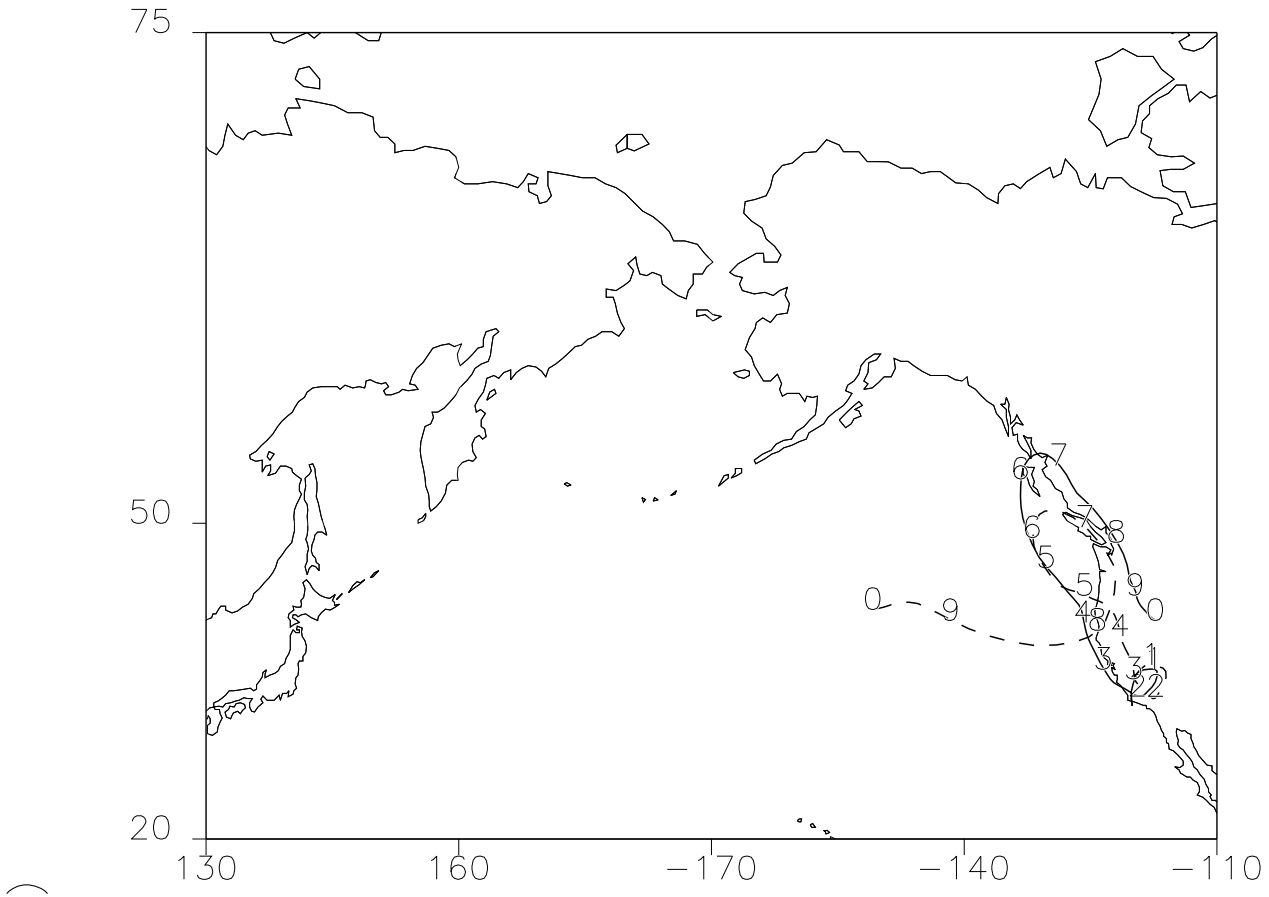
Day	km	hPa	C
0	0.3	973	12
1	0.9	909	5
2	0.2	1000	11
3	0.3	995	9
4	0.5	960	5
5	1.0	892	−1
6	1.2	868	−3
7	1.3	860	−3
8	1.1	874	−2
9	1.1	872	−1
10	0.8	898	2

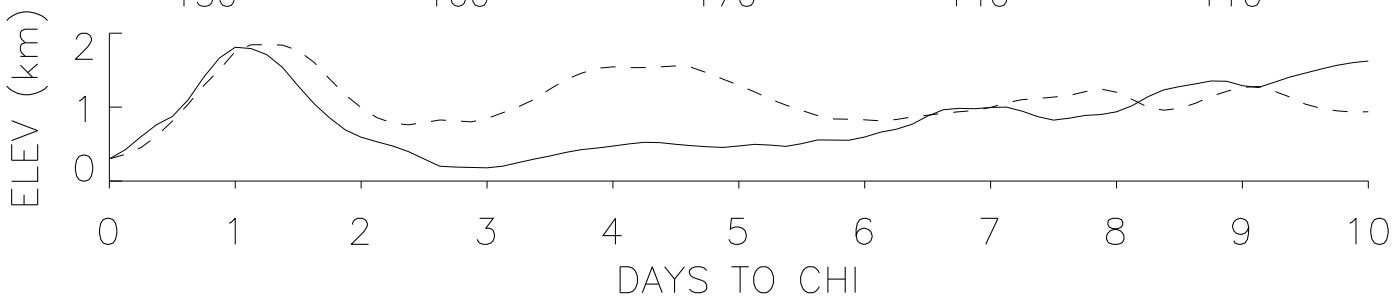
06UT

Day	km	hPa	C
0	0.3	978	12
1	1.5	843	1
2	0.4	969	9
3	0.2	998	10
4	0.6	959	6
5	0.7	923	3
6	1.0	889	−1
7	1.1	879	−3
8	1.5	842	−5
9	1.1	879	0
10	1.5	835	0

00UT – solid
06UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/3/2004 (Day of Year 63)
NCEP/NCAR Reanalysis 1 Data Set





12UT

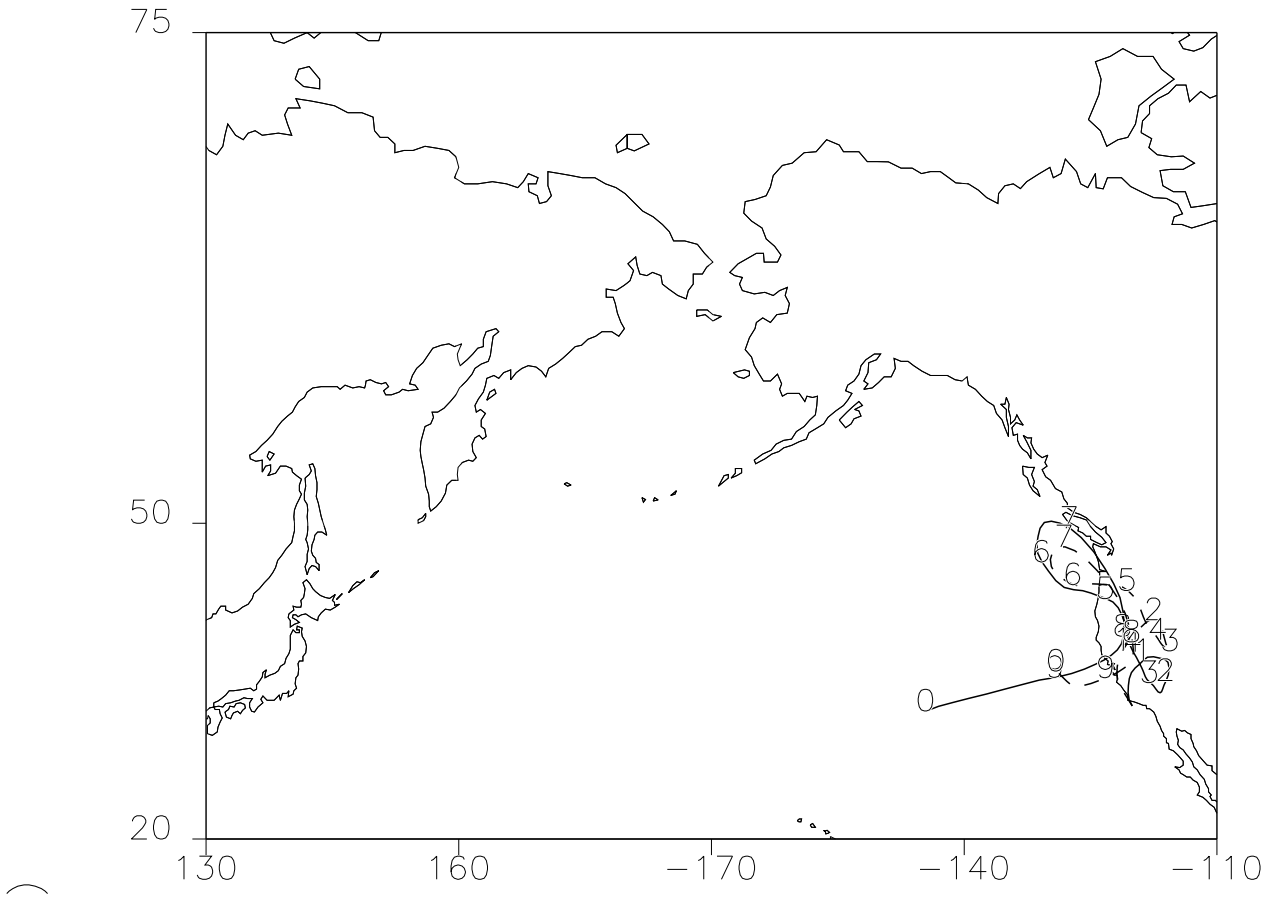
Day	km	hPa	C
0	0.3	978	11
1	1.8	808	−2
2	0.6	946	8
3	0.2	1000	9
4	0.5	968	6
5	0.5	955	5
6	0.6	927	4
7	1.0	886	1
8	0.9	895	3
9	1.3	862	2
10	1.6	828	−3

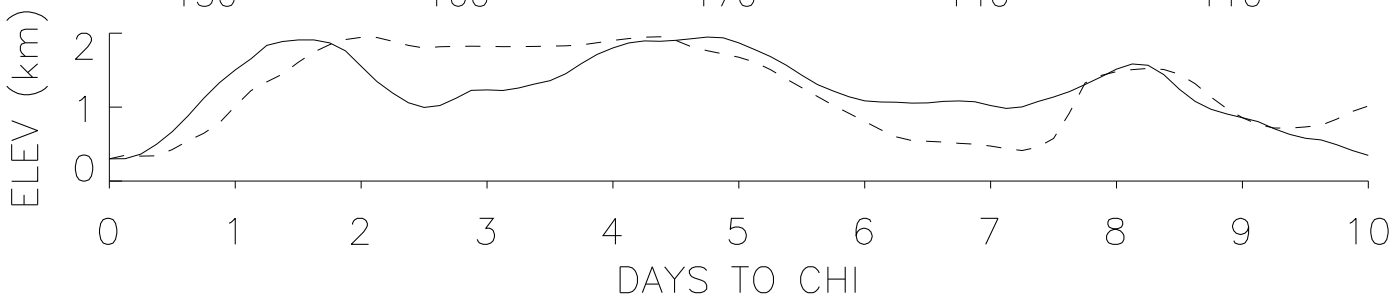
18UT

Day	km	hPa	C
0	0.3	980	13
1	1.8	817	0
2	1.0	902	7
3	0.8	922	6
4	1.5	847	0
5	1.3	867	0
6	0.8	902	2
7	1.0	883	1
8	1.2	875	2
9	1.3	857	0
10	0.9	894	0

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/4/2004 (Day of Year 64)
NCEP/NCAR Reanalysis 1 Data Set





00UT

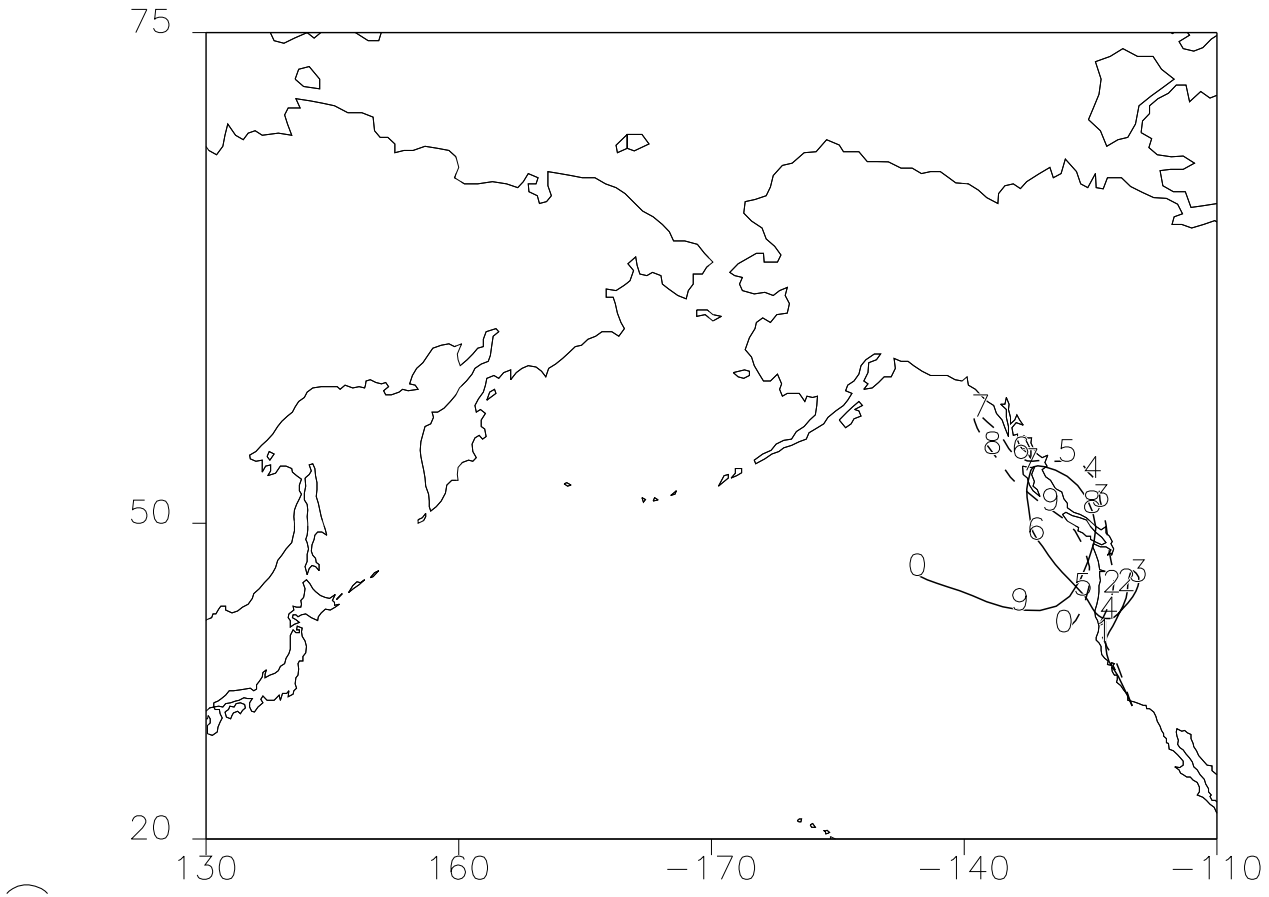
Day	km	hPa	C
0	0.3	976	14
1	1.5	845	5
2	1.6	838	2
3	1.2	876	6
4	1.8	818	0
5	1.9	809	−3
6	1.1	876	0
7	1.0	875	1
8	1.5	844	2
9	0.9	911	8
10	0.3	973	16

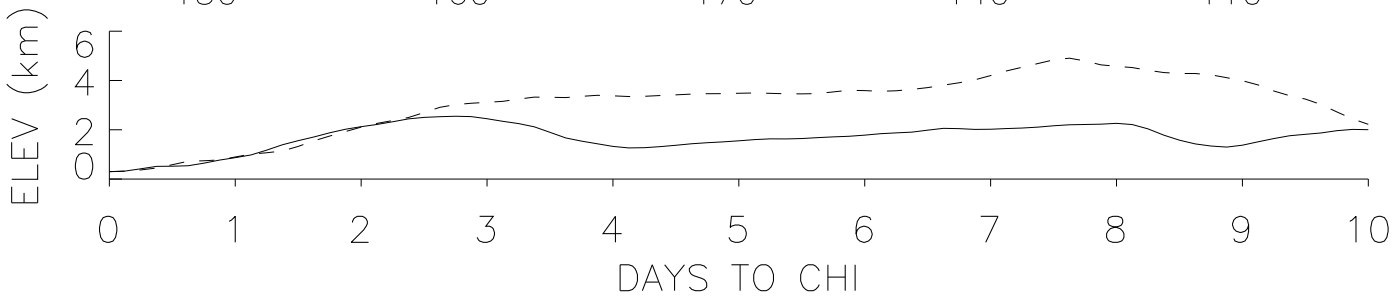
06UT

Day	km	hPa	C
0	0.3	977	13
1	1.0	903	6
2	1.9	797	−4
3	1.8	814	−2
4	1.9	806	−3
5	1.7	831	−2
6	0.8	911	4
7	0.5	934	6
8	1.5	848	0
9	0.9	916	7
10	1.0	893	6

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/4/2004 (Day of Year 64)
NCEP/NCAR Reanalysis 1 Data Set





12UT

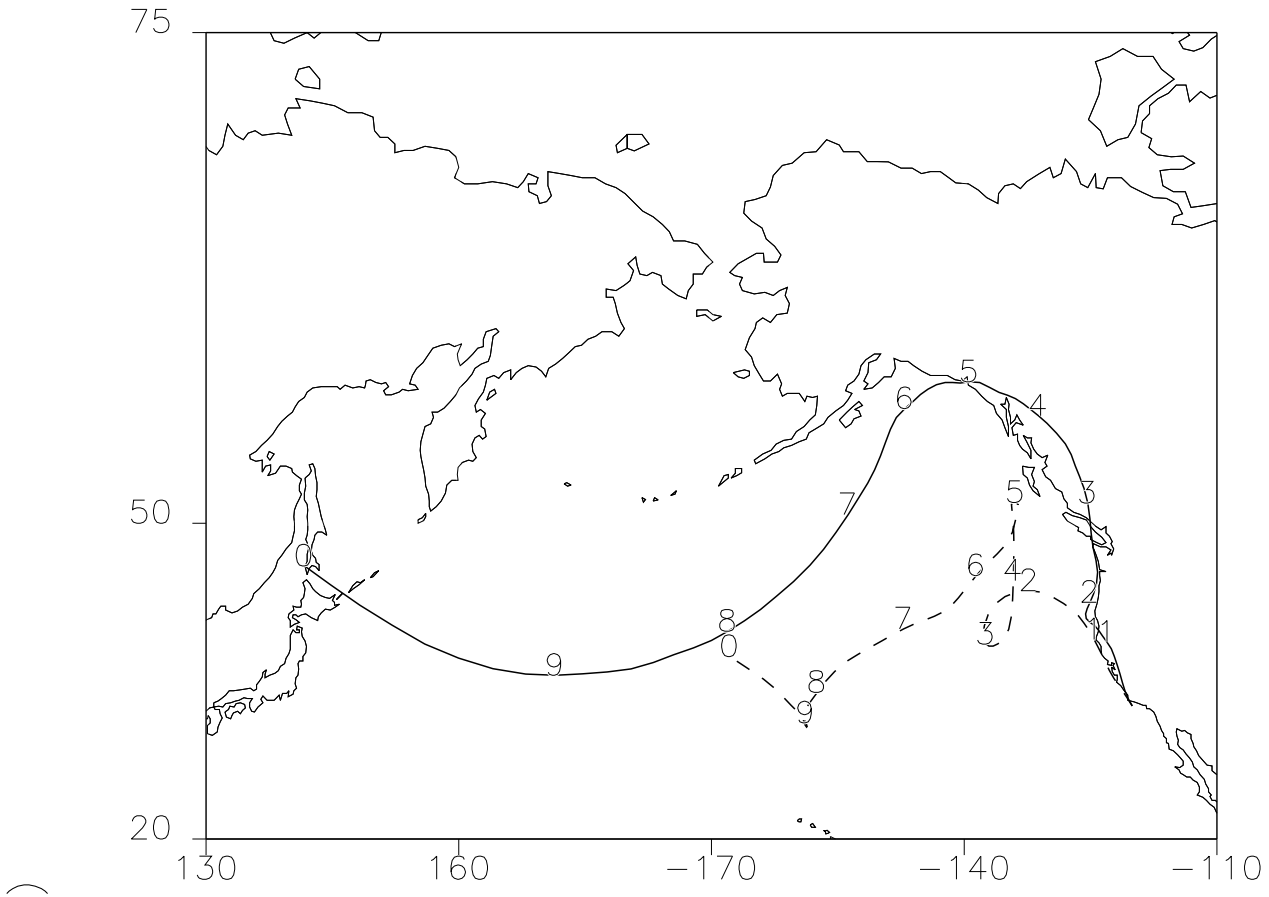
Day	km	hPa	C
0	0.3	977	10
1	0.9	919	3
2	2.1	783	−5
3	2.4	748	−7
4	1.3	867	0
5	1.6	847	−1
6	1.8	811	−3
7	2.0	775	−5
8	2.3	758	−6
9	1.4	845	−2
10	2.0	775	−7

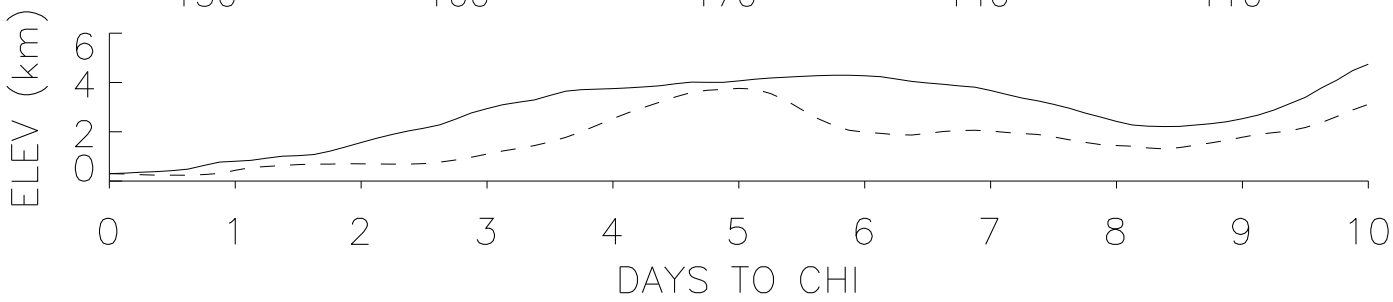
18UT

Day	km	hPa	C
0	0.3	980	13
1	0.9	916	5
2	2.1	787	−2
3	3.1	688	−14
4	3.4	664	−16
5	3.5	655	−16
6	3.6	643	−15
7	4.2	586	−21
8	4.6	554	−25
9	4.0	600	−18
10	2.2	767	−2

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/5/2004 (Day of Year 65)
NCEP/NCAR Reanalysis 1 Data Set





00UT

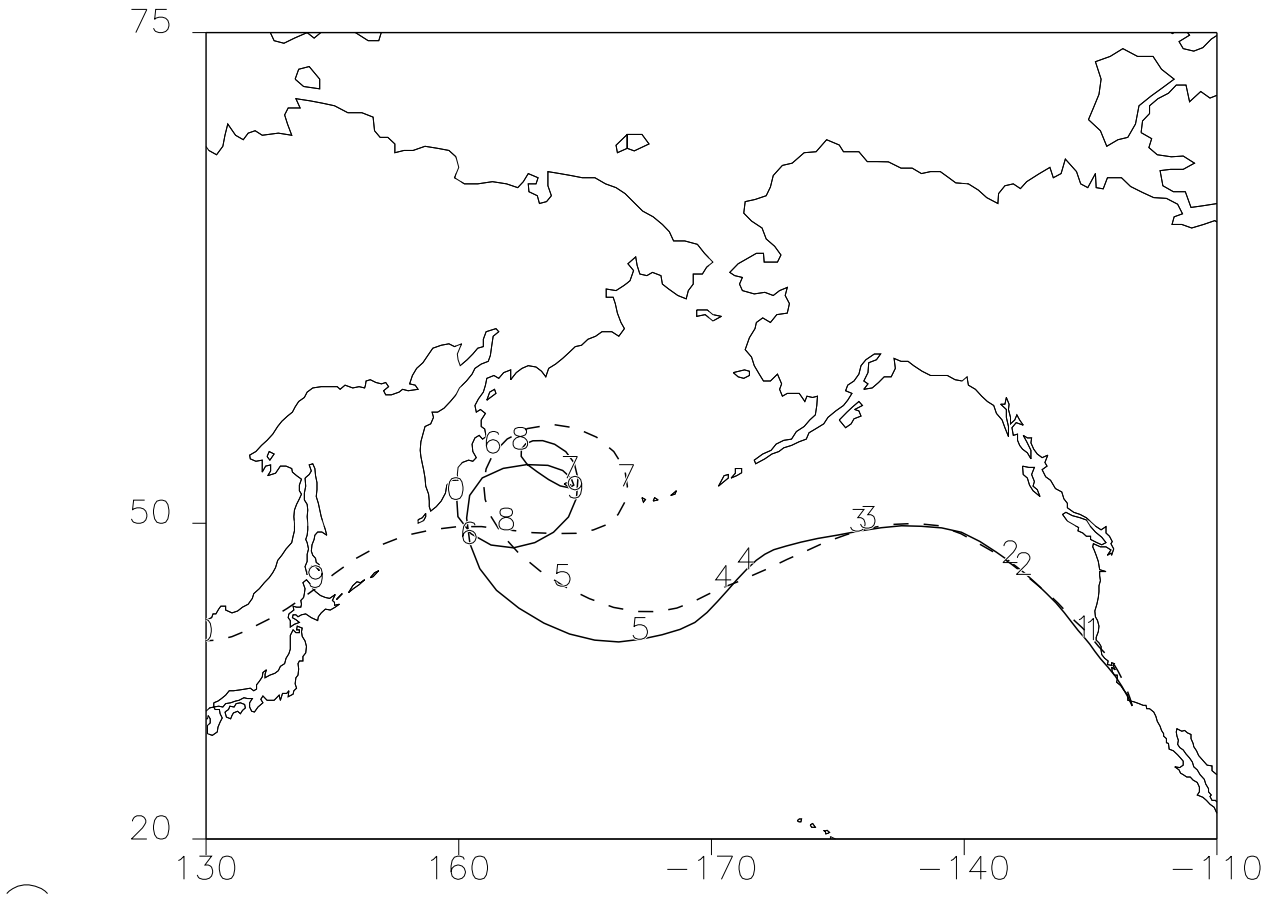
Day	km	hPa	C
0	0.3	978	13
1	0.8	924	7
2	1.6	845	3
3	2.9	705	−12
4	3.8	632	−19
5	4.1	602	−22
6	4.3	581	−22
7	3.7	629	−17
8	2.4	746	−7
9	2.5	732	−13
10	4.7	530	−40

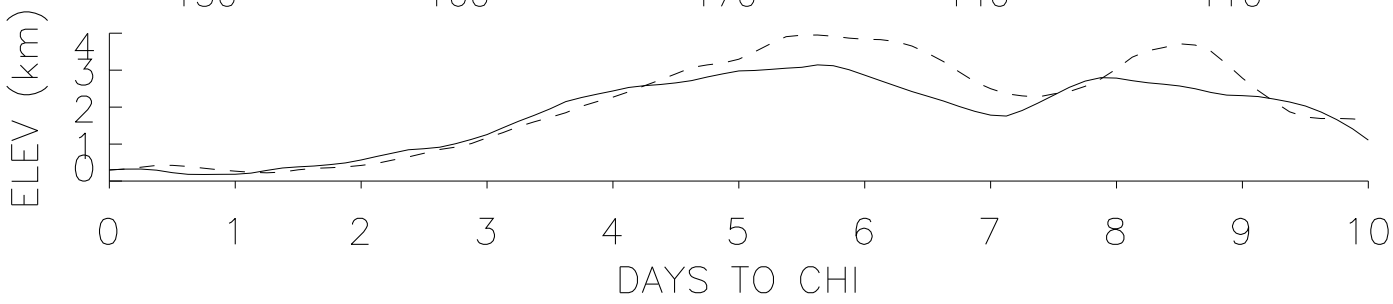
06UT

Day	km	hPa	C
0	0.3	981	13
1	0.4	969	7
2	0.7	939	5
3	1.1	901	4
4	2.5	747	−5
5	3.8	629	−15
6	2.0	799	−4
7	2.0	797	2
8	1.4	859	4
9	1.8	829	6
10	3.1	693	−6

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/5/2004 (Day of Year 65)
NCEP/NCAR Reanalysis 1 Data Set





12UT

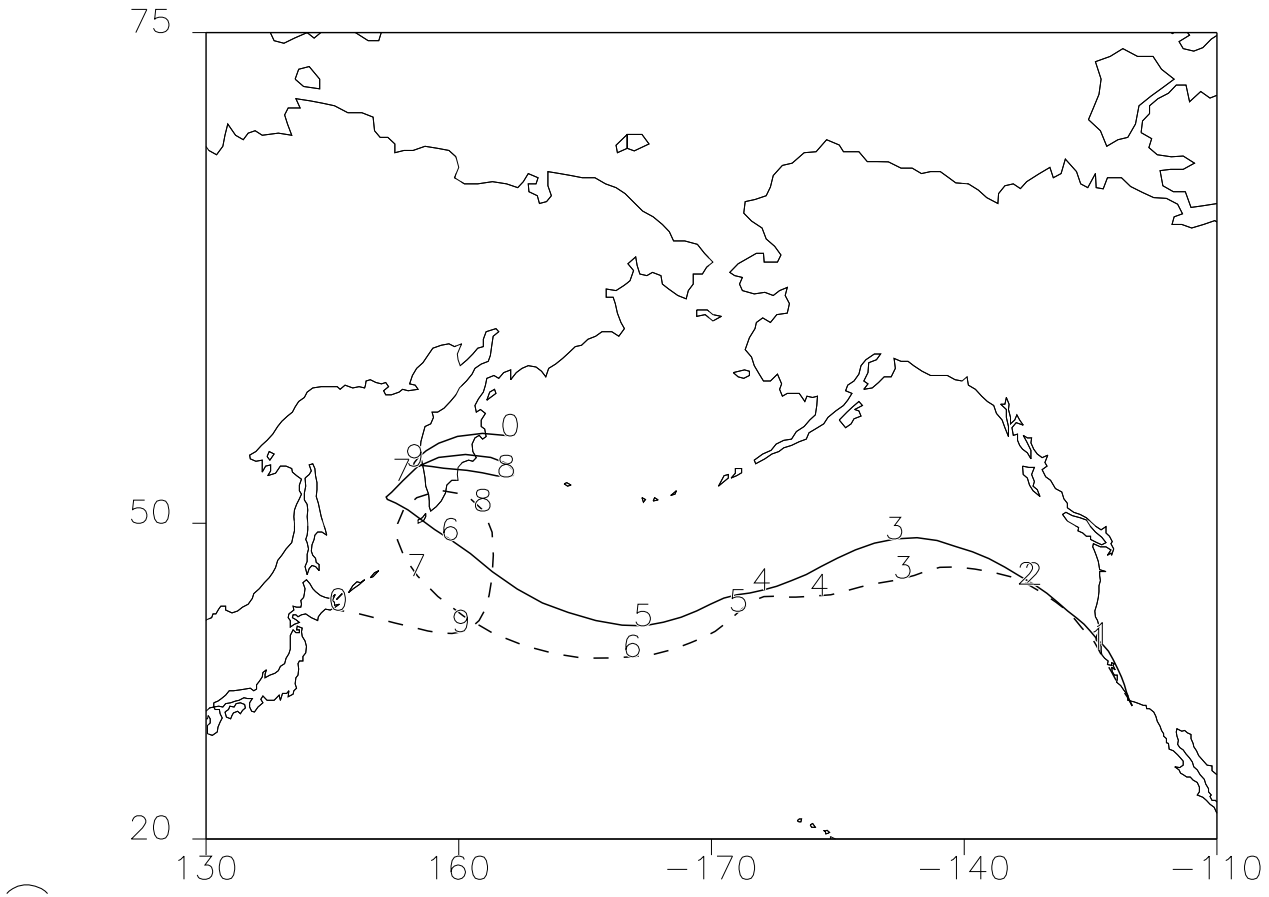
Day	km	hPa	C
0	0.3	982	11
1	0.2	1000	9
2	0.6	953	5
3	1.3	865	0
4	2.4	741	−8
5	3.0	687	−14
6	2.9	677	−19
7	1.8	786	−9
8	2.8	683	−19
9	2.3	723	−15
10	1.1	836	−7

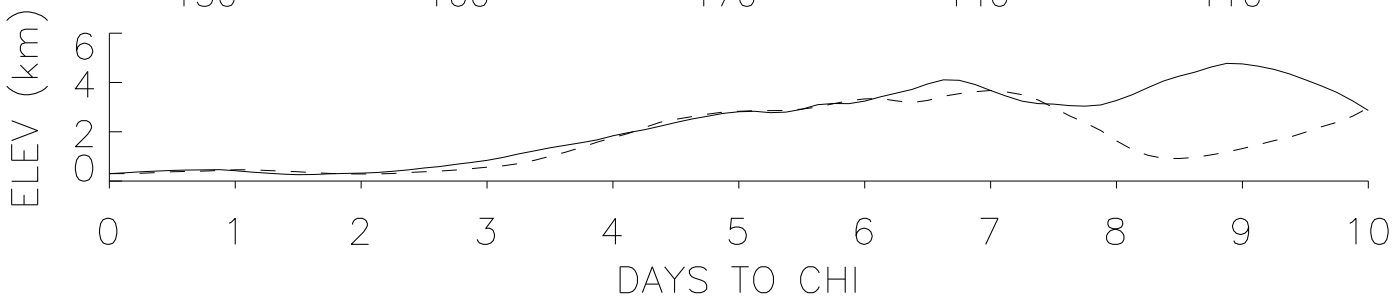
18UT

Day	km	hPa	C
0	0.3	986	14
1	0.3	989	9
2	0.4	972	6
3	1.2	878	−1
4	2.3	757	−9
5	3.3	650	−19
6	3.8	593	−25
7	2.5	717	−12
8	3.0	673	−17
9	2.8	699	−16
10	1.6	824	−7

12UT – solid
18UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/6/2004 (Day of Year 66)
NCEP/NCAR Reanalysis 1 Data Set





00UT

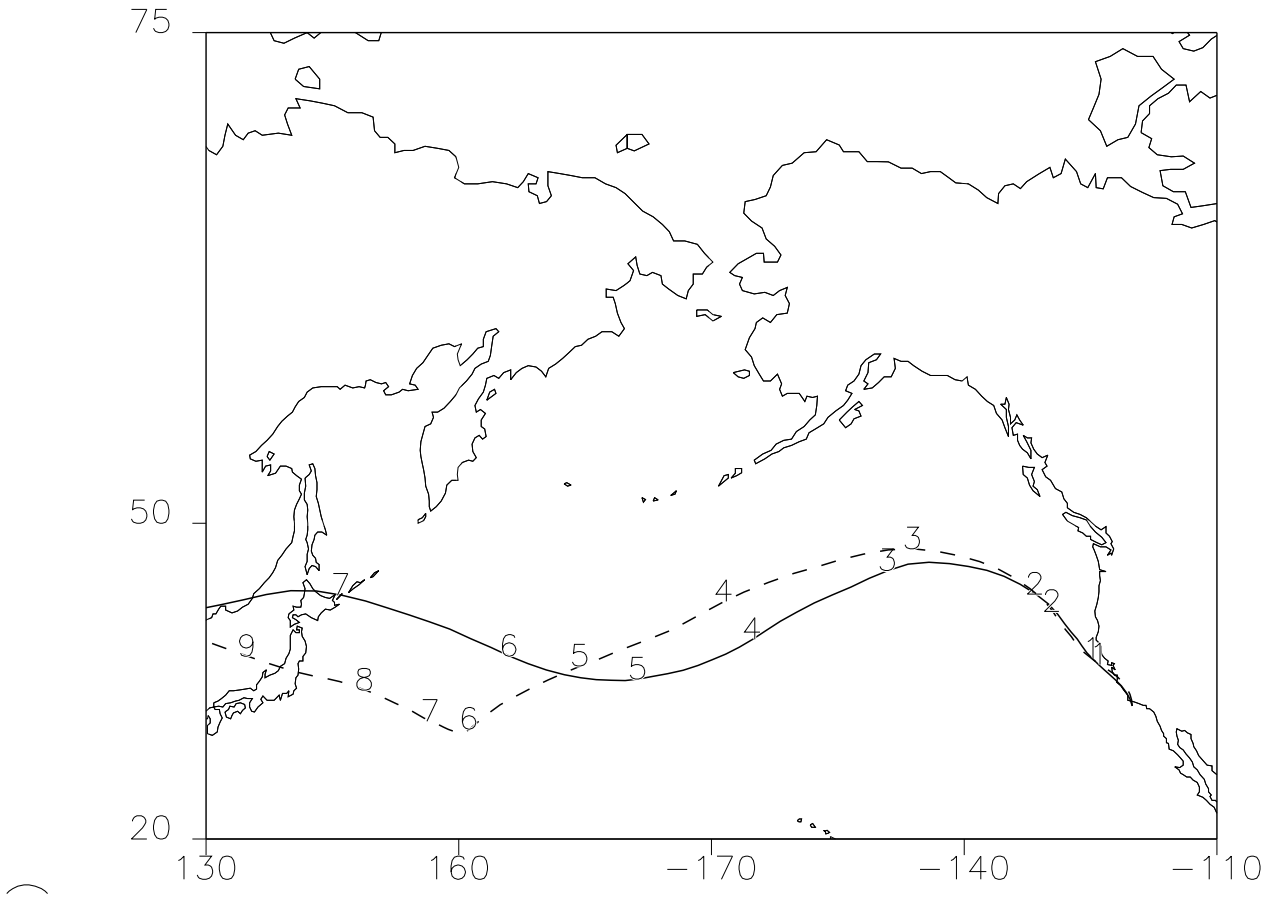
Day	km	hPa	C
0	0.3	985	14
1	0.4	969	9
2	0.3	984	7
3	0.8	919	2
4	1.8	804	−5
5	2.8	702	−13
6	3.2	653	−20
7	3.7	607	−25
8	3.3	648	−20
9	4.8	520	−35
10	2.9	673	−18

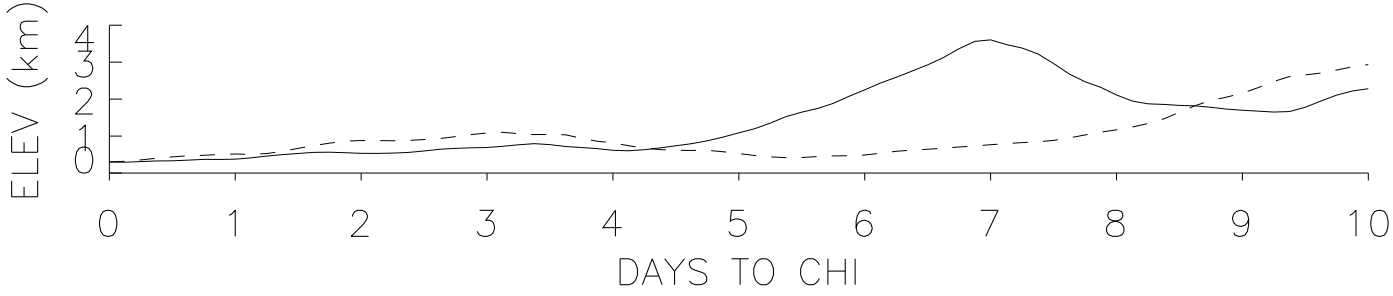
06UT

Day	km	hPa	C
0	0.3	988	13
1	0.5	967	8
2	0.3	989	7
3	0.6	960	5
4	1.8	818	−3
5	2.8	707	−9
6	3.3	656	−17
7	3.7	612	−26
8	1.6	793	−10
9	1.3	858	−5
10	3.0	686	−16

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/6/2004 (Day of Year 66)
NCEP/NCAR Reanalysis 1 Data Set





12UT

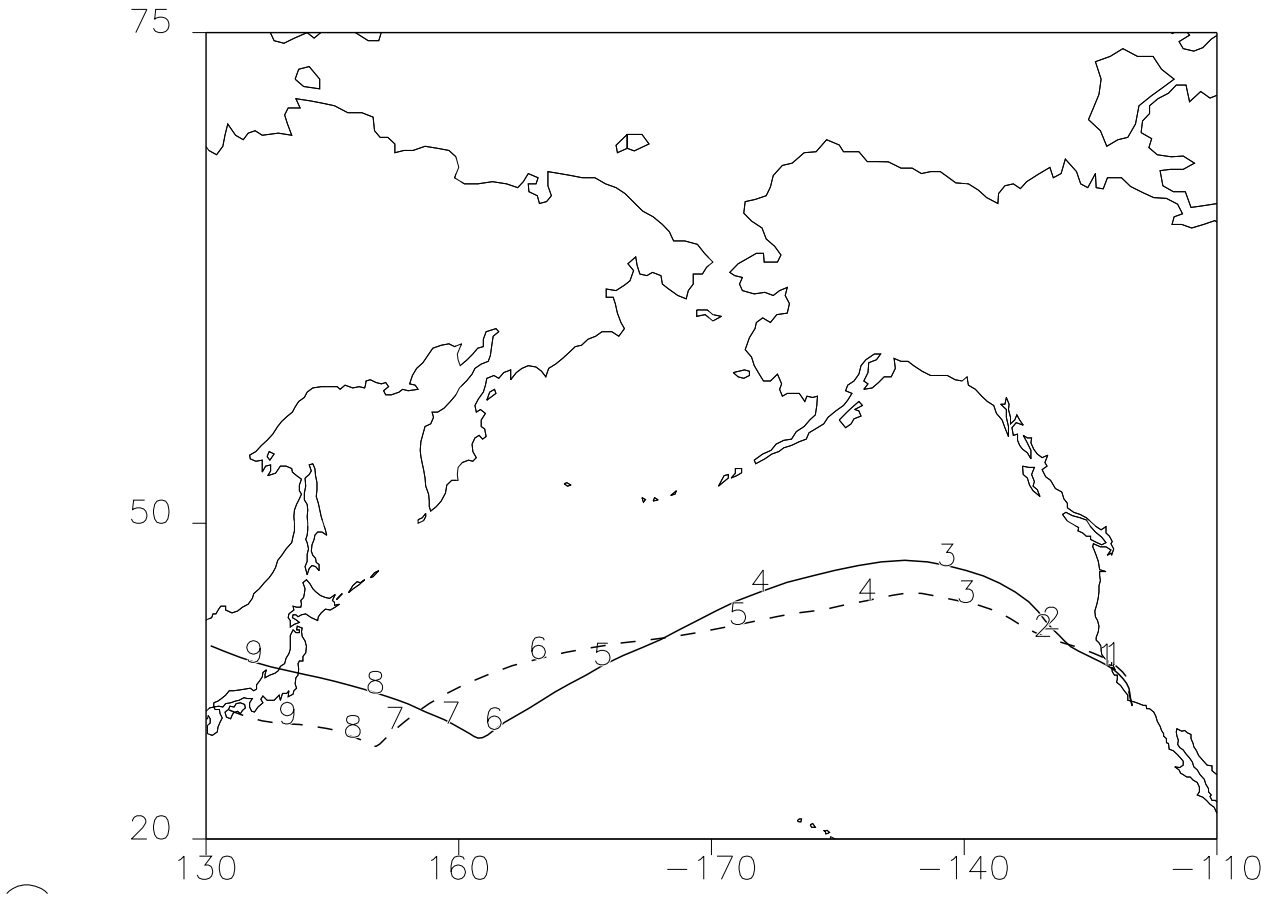
Day	km	hPa	C
0	0.3	988	13
1	0.4	978	9
2	0.5	960	5
3	0.7	943	6
4	0.6	946	7
5	1.1	890	1
6	2.3	762	−9
7	3.6	633	−20
8	2.1	771	−5
9	1.7	828	4
10	2.3	770	−5

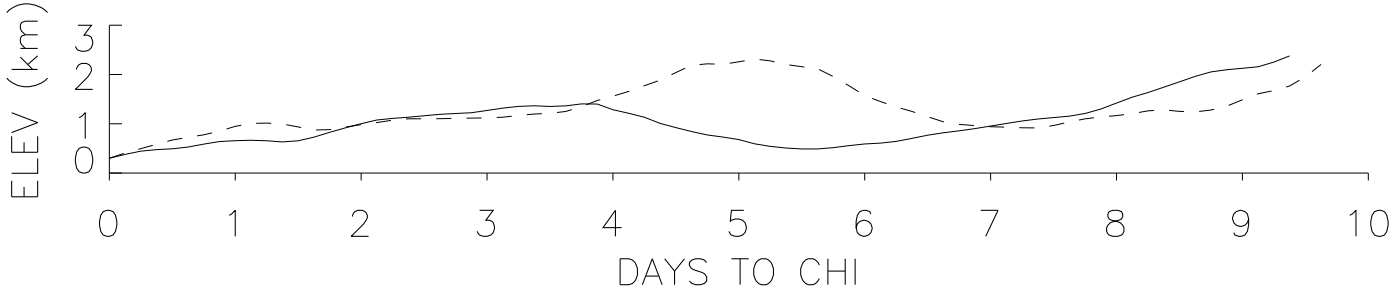
18UT

Day	km	hPa	C
0	0.3	990	15
1	0.5	964	10
2	0.9	921	3
3	1.1	897	5
4	0.8	917	6
5	0.5	946	9
6	0.5	962	10
7	0.8	931	5
8	1.2	879	−3
9	2.2	765	−19
10	2.9	688	−27

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/7/2004 (Day of Year 67)
NCEP/NCAR Reanalysis 1 Data Set





00UT

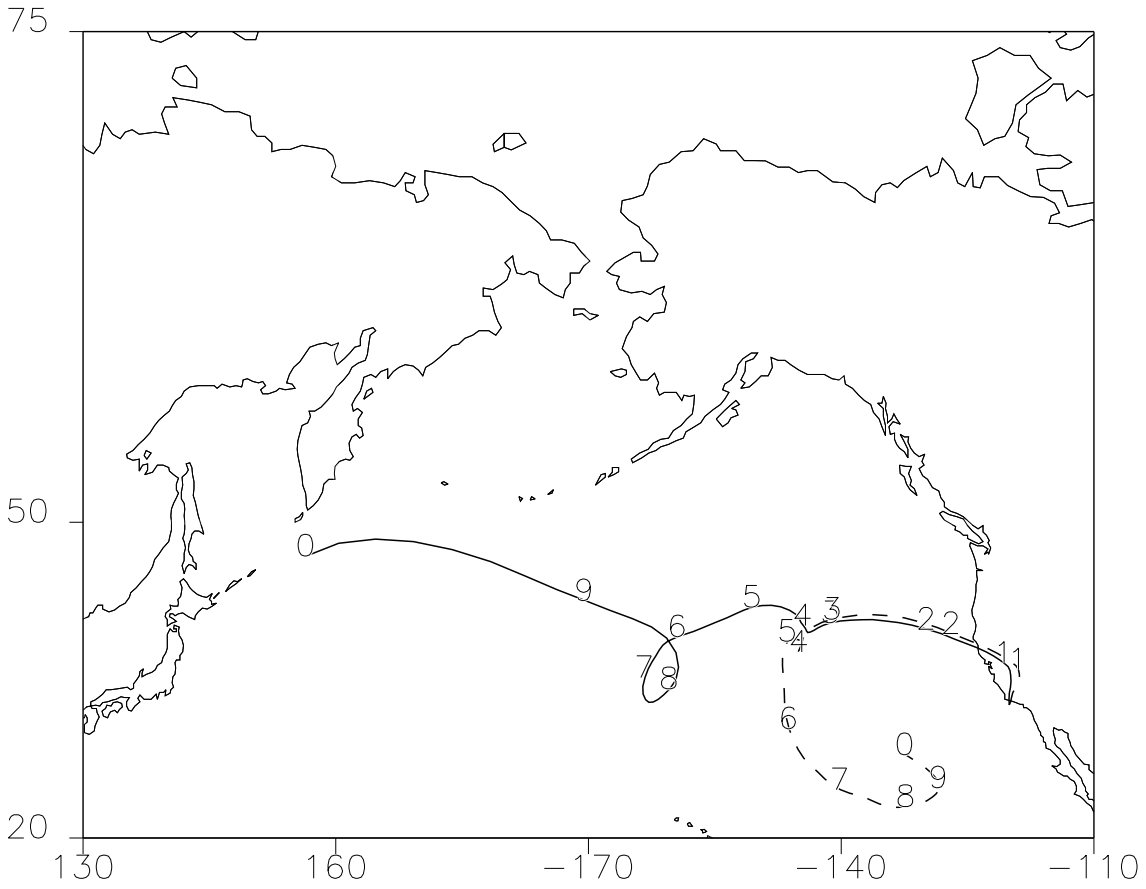
Day	km	hPa	C
0	0.3	986	18
1	0.7	945	11
2	1.0	907	5
3	1.3	879	6
4	1.3	870	4
5	0.7	931	10
6	0.6	952	9
7	1.0	911	3
8	1.4	855	−4
9	2.1	772	−16

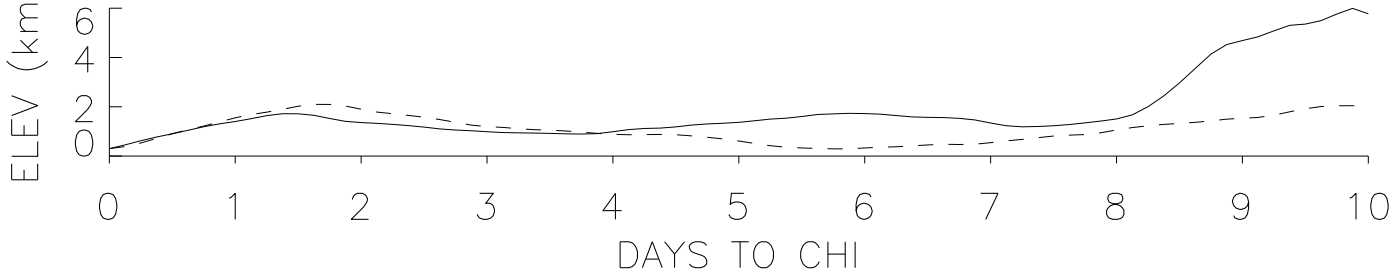
06UT

Day	km	hPa	C
0	0.3	989	15
1	0.9	916	8
2	1.0	910	6
3	1.1	899	7
4	1.6	851	7
5	2.3	767	−3
6	1.6	830	2
7	0.9	911	7
8	1.2	887	4
9	1.5	846	−2

00UT – solid
06UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/7/2004 (Day of Year 67)
NCEP/NCAR Reanalysis 1 Data Set





12UT

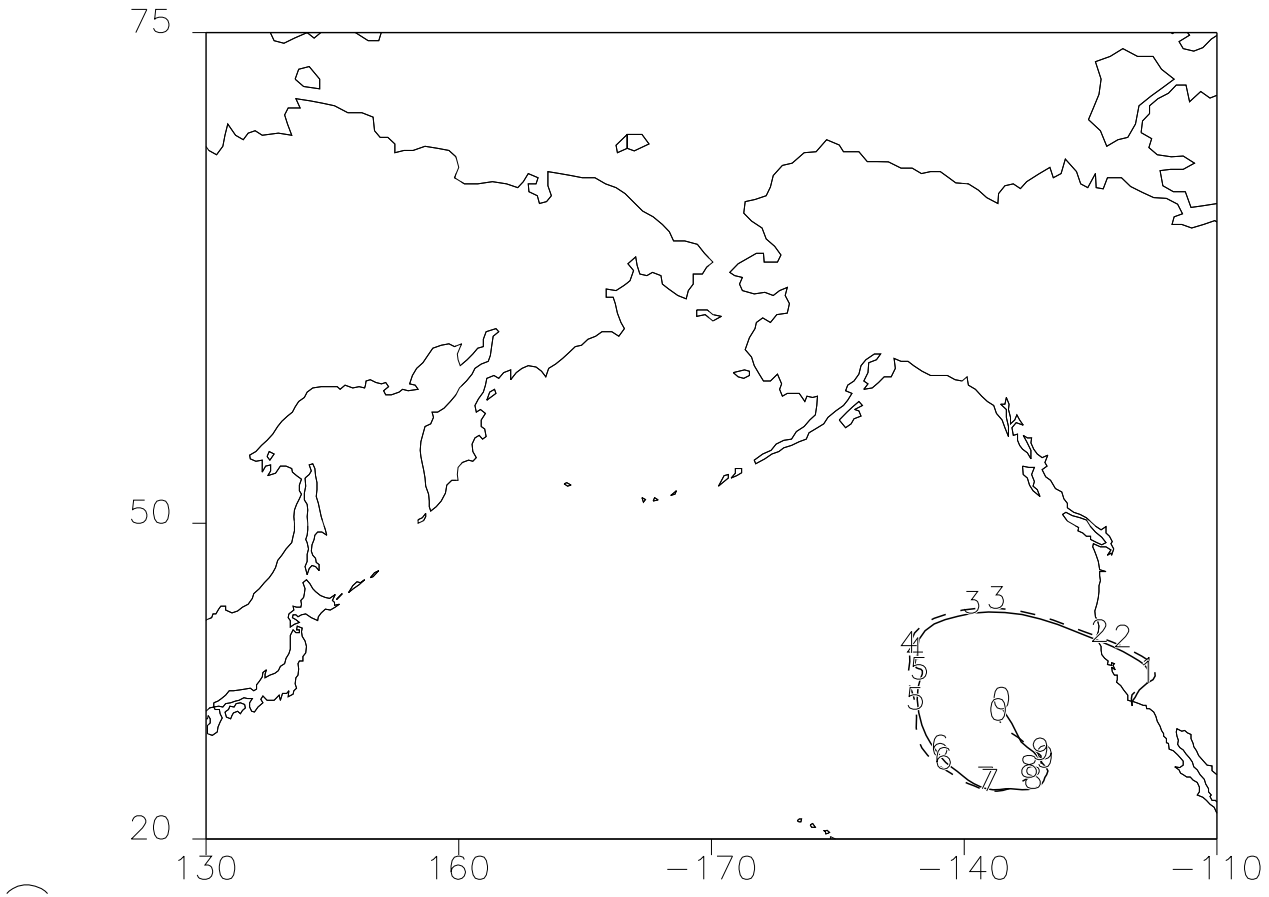
Day	km	hPa	C
0	0.3	988	16
1	1.4	866	7
2	1.4	866	7
3	1.0	914	8
4	1.0	916	9
5	1.4	863	3
6	1.7	814	3
7	1.3	859	7
8	1.5	847	8
9	4.7	552	−22
10	5.8	462	−35

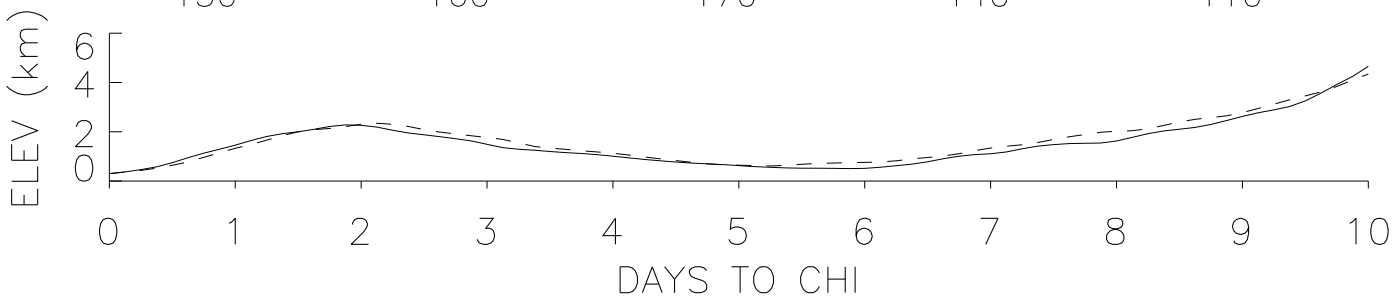
18UT

Day	km	hPa	C
0	0.3	989	18
1	1.6	853	8
2	1.9	812	4
3	1.2	889	8
4	0.9	928	10
5	0.6	951	12
6	0.3	982	18
7	0.5	959	16
8	1.1	902	10
9	1.5	851	11
10	2.0	800	4

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/8/2004 (Day of Year 68)
NCEP/NCAR Reanalysis 1 Data Set





00UT

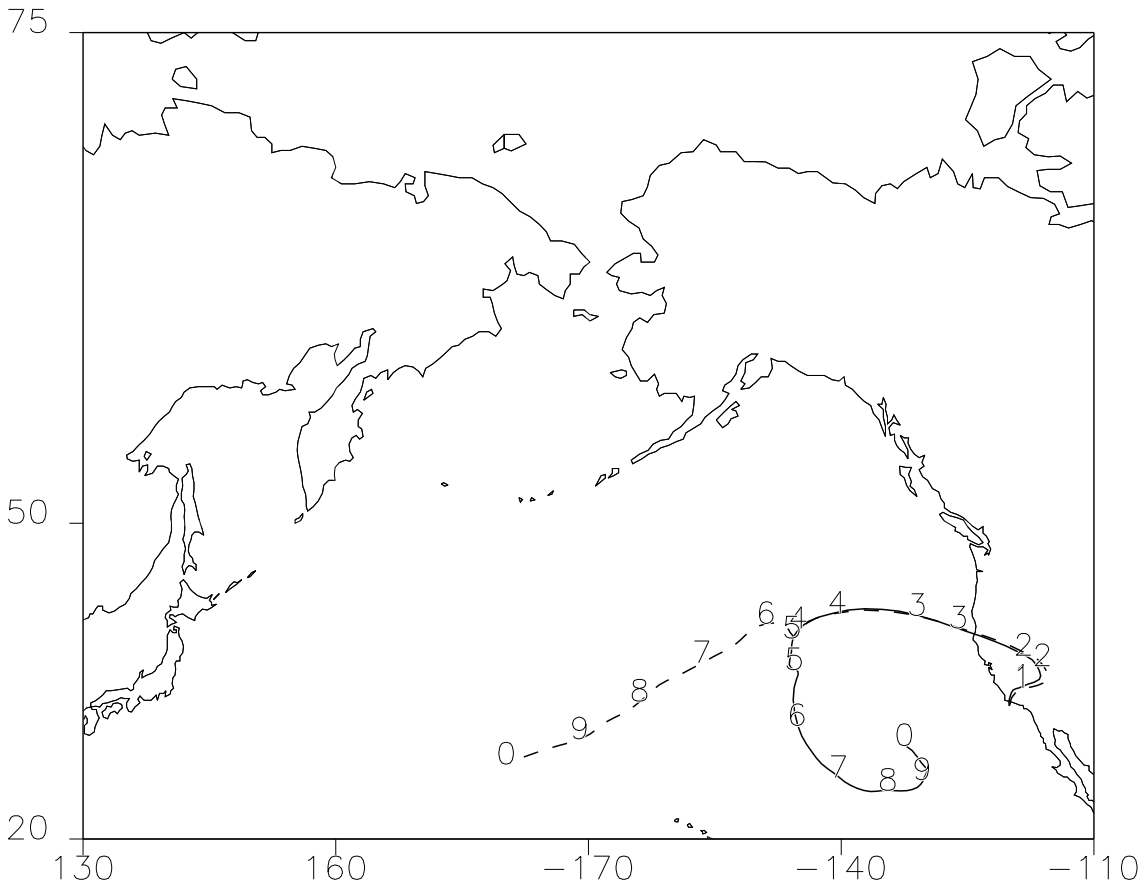
Day	km	hPa	C
0	0.3	986	22
1	1.5	861	14
2	2.3	777	3
3	1.5	855	7
4	1.0	915	11
5	0.6	951	14
6	0.5	961	16
7	1.1	896	14
8	1.6	841	13
9	2.6	746	6
10	4.7	570	−12

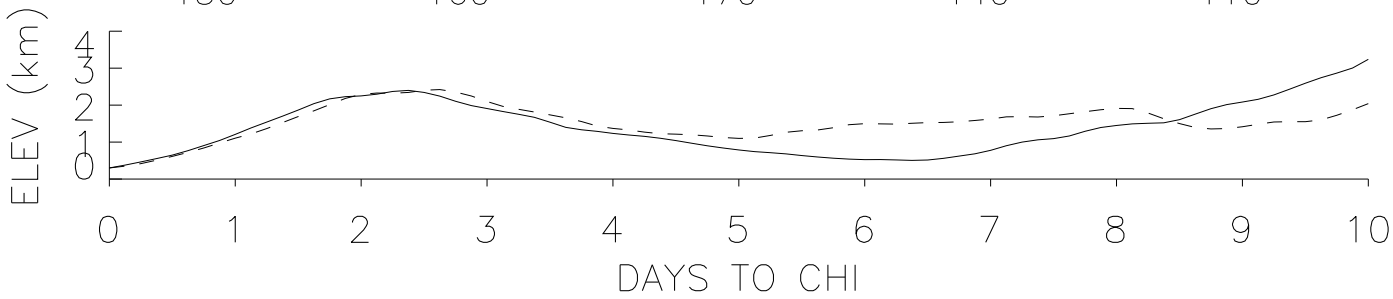
06UT

Day	km	hPa	C
0	0.3	987	18
1	1.3	877	11
2	2.3	774	1
3	1.8	824	5
4	1.1	901	11
5	0.6	952	16
6	0.8	935	13
7	1.3	873	14
8	2.0	805	10
9	2.8	731	4
10	4.3	598	−5

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/8/2004 (Day of Year 68)
NCEP/NCAR Reanalysis 1 Data Set





12UT

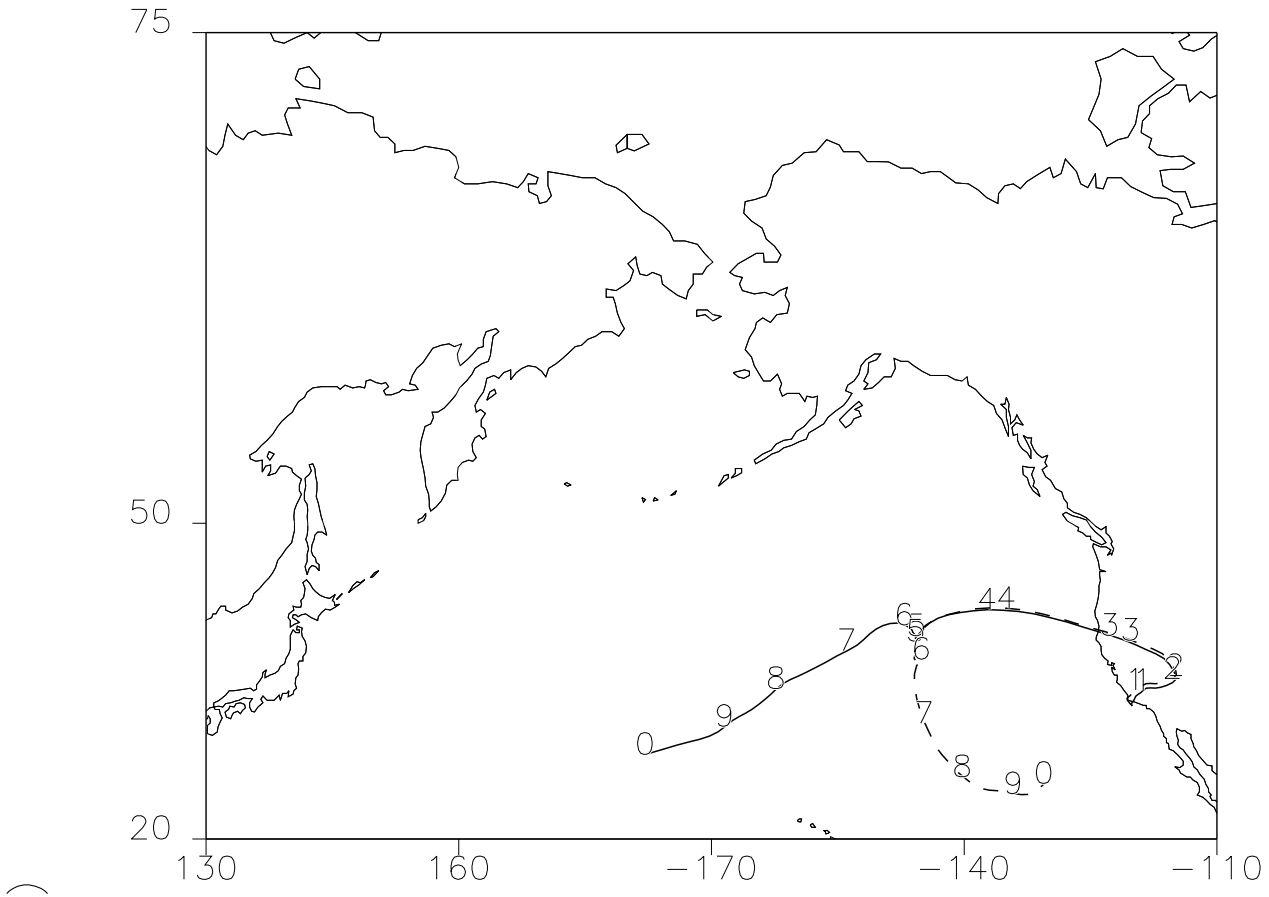
Day	km	hPa	C
0	0.3	986	18
1	1.2	890	11
2	2.2	780	2
3	1.9	809	5
4	1.2	887	8
5	0.8	937	13
6	0.5	960	16
7	0.8	932	13
8	1.5	860	12
9	2.1	797	8
10	3.2	688	−1

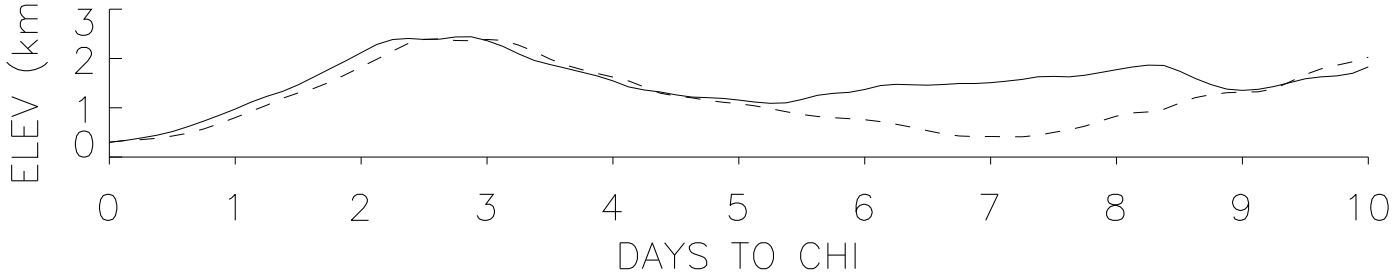
18UT

Day	km	hPa	C
0	0.3	987	21
1	1.1	901	14
2	2.3	779	3
3	2.1	791	2
4	1.4	870	7
5	1.1	904	9
6	1.5	854	6
7	1.6	828	5
8	1.9	801	3
9	1.4	857	9
10	2.0	798	8

12UT – solid
18UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/9/2004 (Day of Year 69)
NCEP/NCAR Reanalysis 1 Data Set





00UT

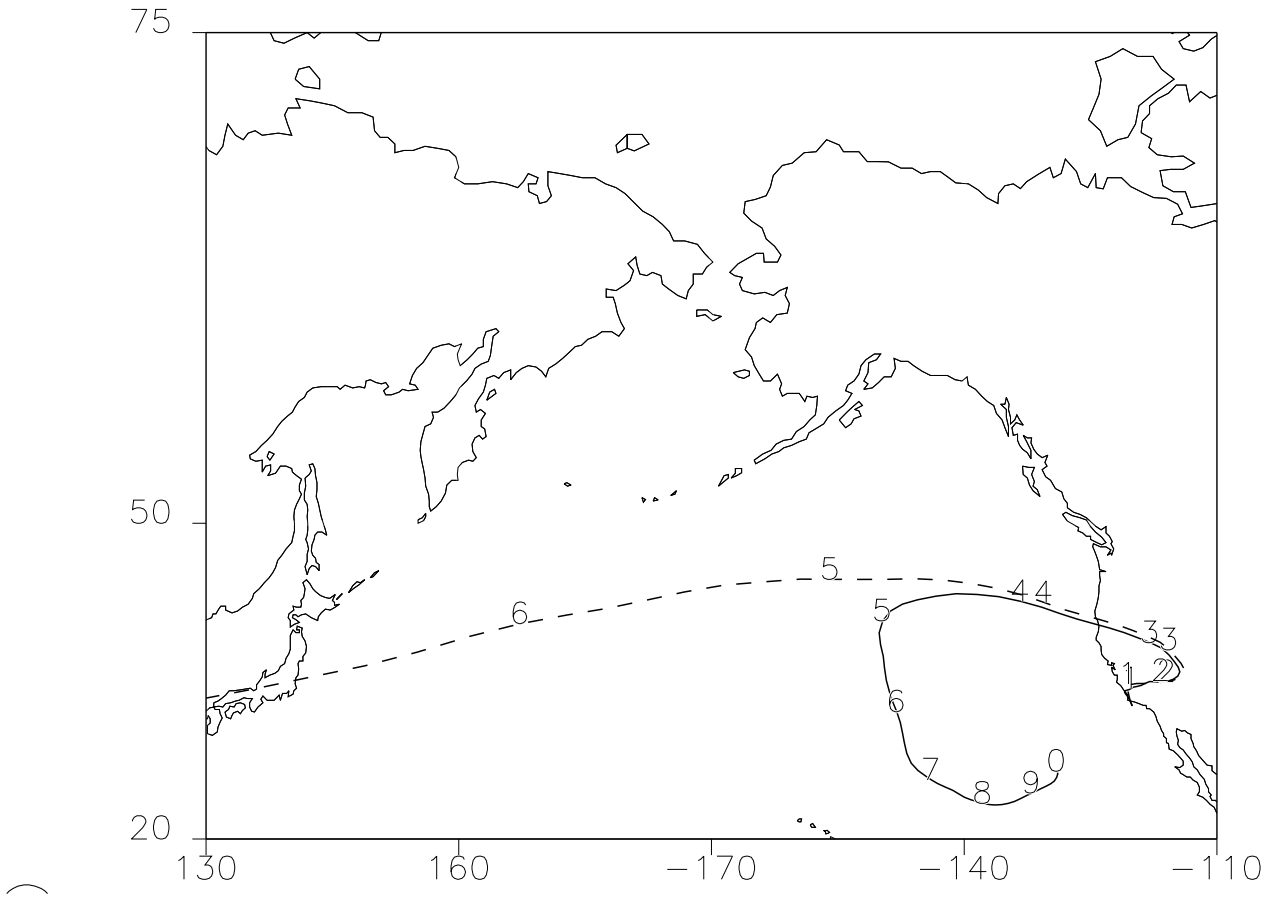
Day	km	hPa	C
0	0.3	984	23
1	1.0	912	20
2	2.1	795	7
3	2.4	766	1
4	1.5	850	6
5	1.2	899	8
6	1.4	870	7
7	1.5	844	6
8	1.8	813	3
9	1.4	862	9
10	1.8	819	10

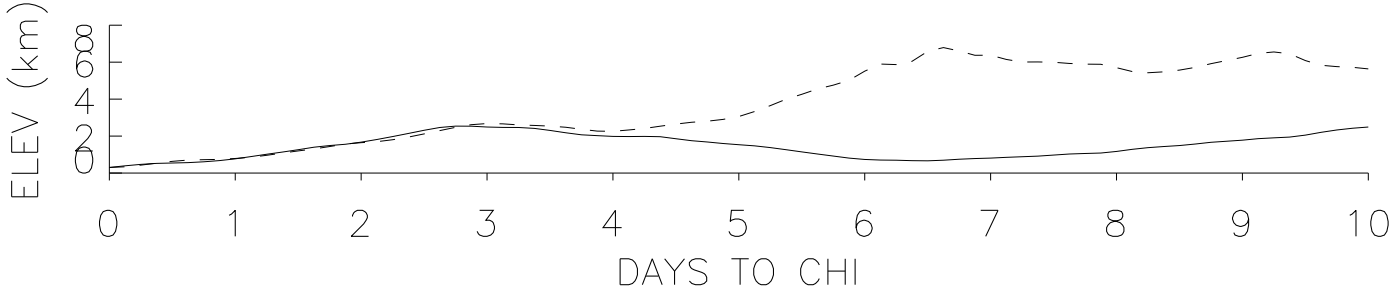
06UT

Day	km	hPa	C
0	0.3	985	17
1	0.8	931	17
2	1.8	827	6
3	2.4	765	0
4	1.6	839	6
5	1.1	906	10
6	0.8	939	13
7	0.4	973	16
8	0.8	927	13
9	1.3	875	12
10	2.0	802	8

00UT – solid
06UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/9/2004 (Day of Year 69)
NCEP/NCAR Reanalysis 1 Data Set





12UT

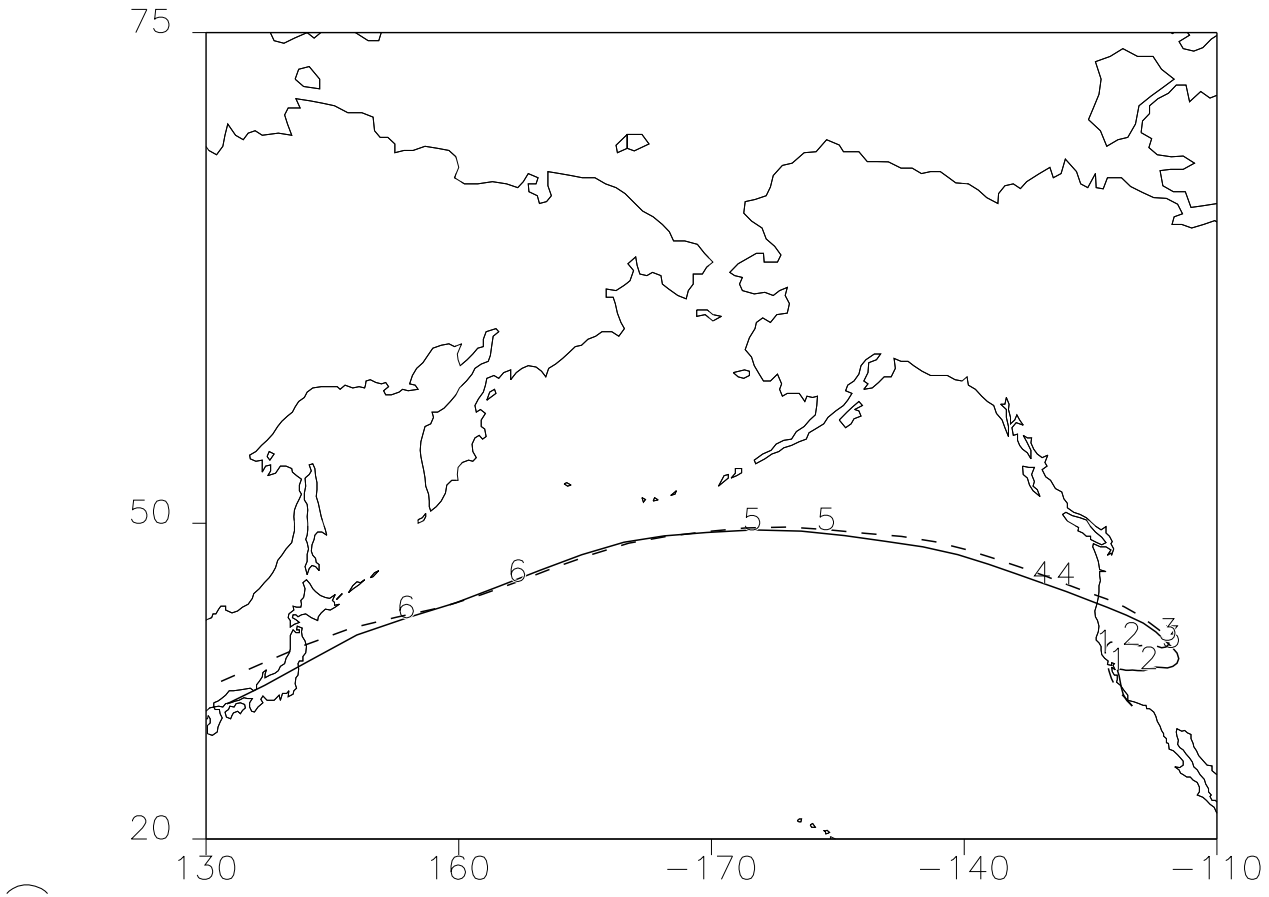
Day	km	hPa	C
0	0.3	984	17
1	0.8	935	16
2	1.7	843	8
3	2.5	756	0
4	2.0	800	3
5	1.5	853	8
6	0.7	941	15
7	0.8	927	13
8	1.2	889	13
9	1.8	826	11
10	2.5	758	5

18UT

Day	km	hPa	C
0	0.3	984	20
1	0.8	933	18
2	1.6	847	10
3	2.7	741	−1
4	2.3	773	0
5	3.1	699	−6
6	5.5	495	−27
7	6.4	441	−33
8	5.7	493	−29
9	6.3	451	−35
10	5.6	485	−29

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/10/2004 (Day of Year 70)
NCEP/NCAR Reanalysis 1 Data Set

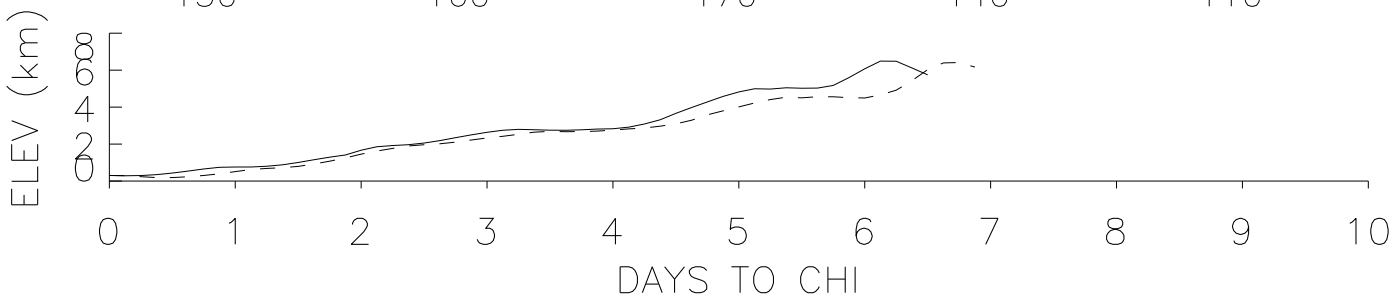


00UT

Day	km	hPa	C
0	0.3	980	23
1	0.8	935	21
2	1.7	843	14
3	2.6	746	0
4	2.8	716	−6
5	4.8	544	−25
6	6.1	449	−35

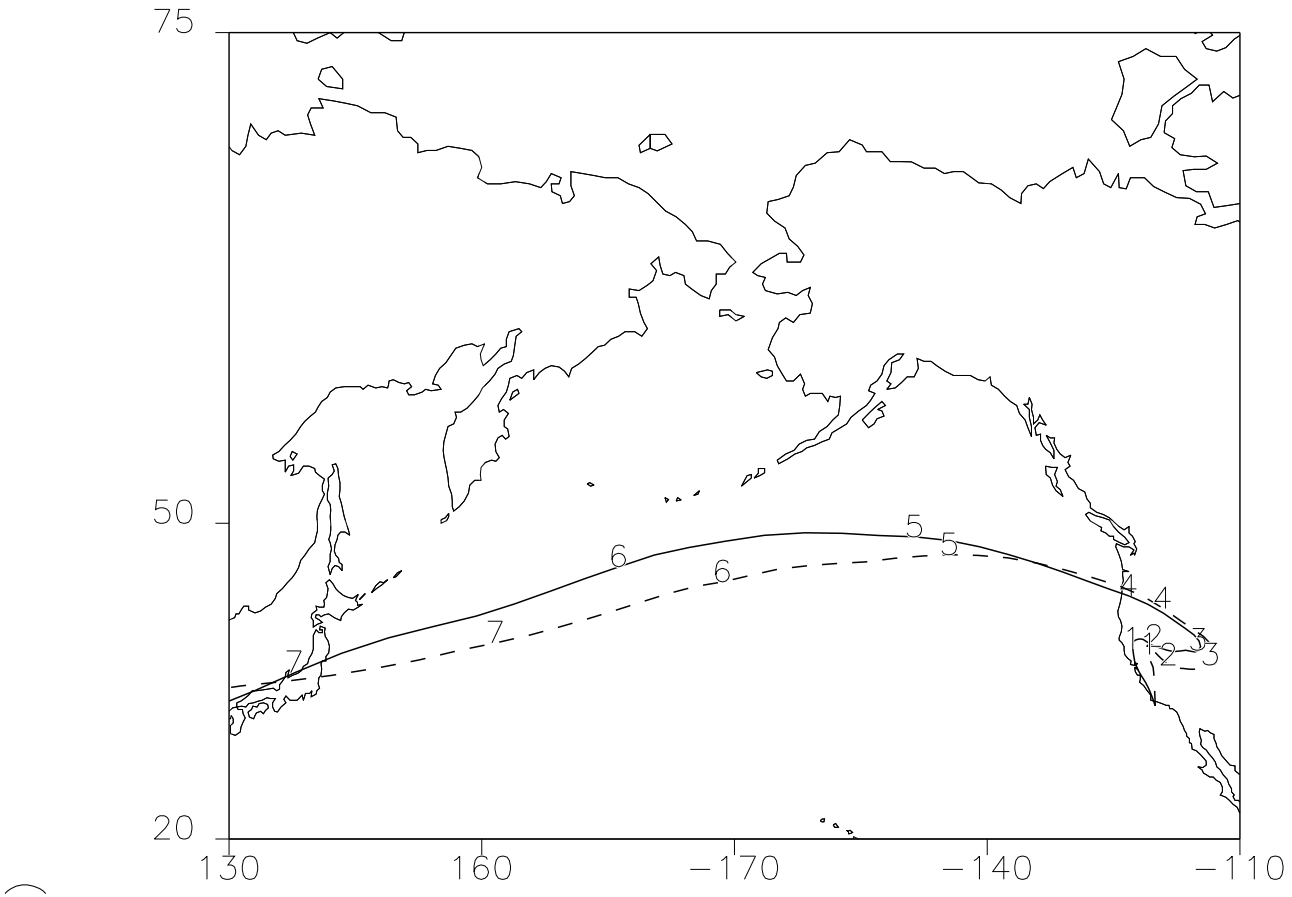
06UT

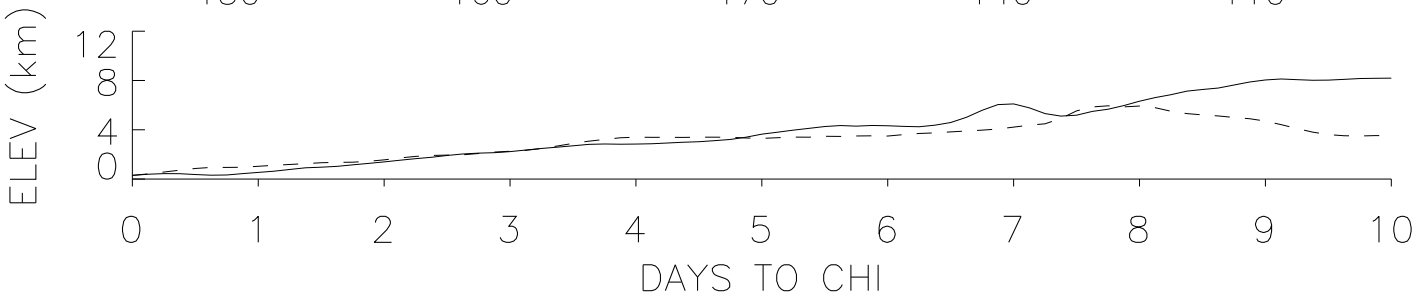
Day	km	hPa	C
0	0.3	979	18
1	0.5	964	14
2	1.5	865	10
3	2.3	778	0
4	2.8	725	−7
5	4.0	607	−20
6	4.5	563	−24



00UT – solid
06UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/10/2004 (Day of Year 70)
NCEP/NCAR Reanalysis 1 Data Set





12UT

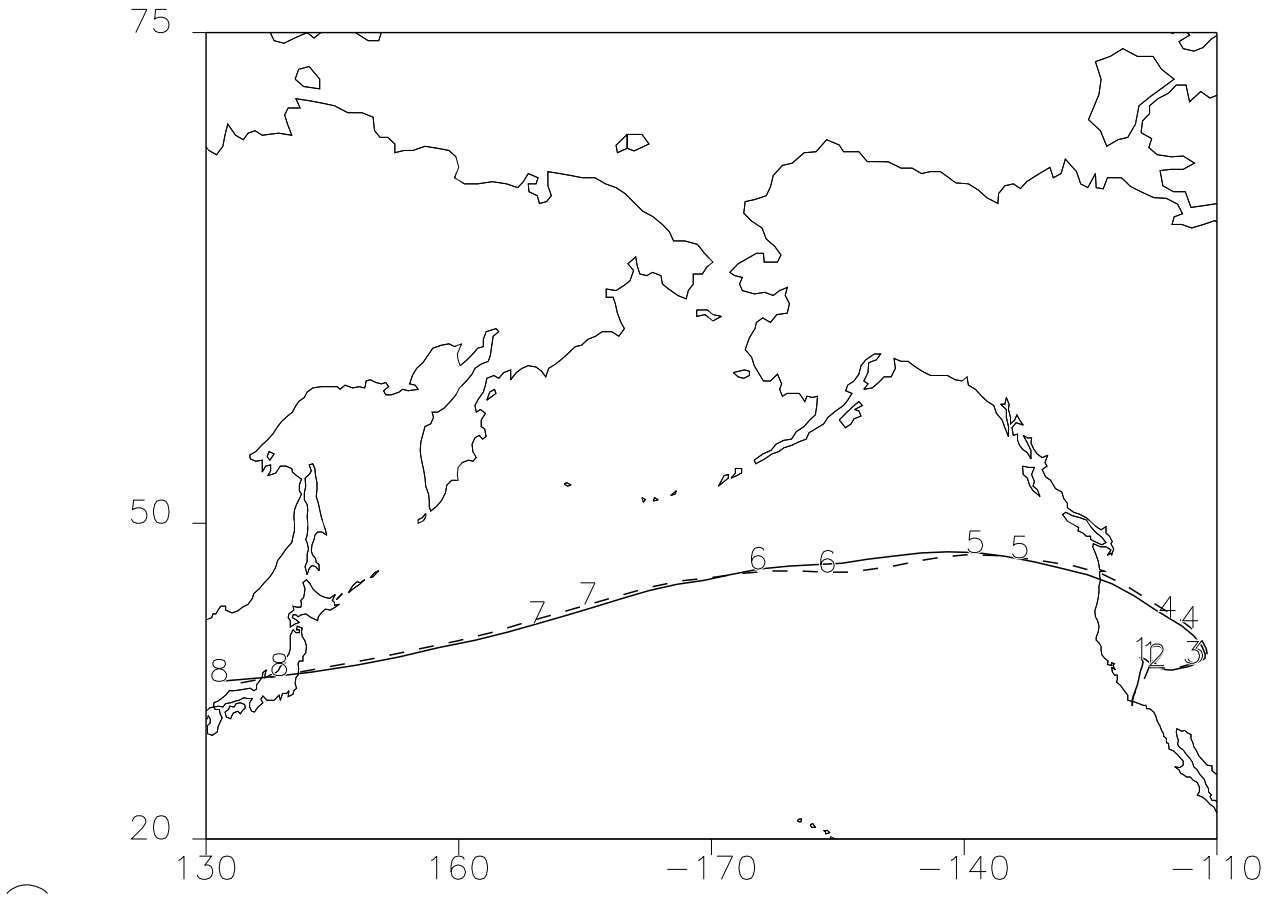
Day	km	hPa	C
0	0.3	978	16
1	0.5	960	13
2	1.4	871	8
3	2.2	789	1
4	2.8	719	−7
5	3.6	639	−15
6	4.3	584	−20
7	6.1	447	−36
8	6.3	446	−37
9	8.0	332	−54
10	8.2	320	−55

18UT

Day	km	hPa	C
0	0.3	978	18
1	1.0	905	15
2	1.6	854	11
3	2.3	787	5
4	3.4	672	−10
5	3.3	672	−9
6	3.5	660	−10
7	4.2	592	−18
8	5.9	465	−33
9	4.7	562	−24
10	3.5	659	−14

12UT – solid
18UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/11/2004 (Day of Year 71)
NCEP/NCAR Reanalysis 1 Data Set

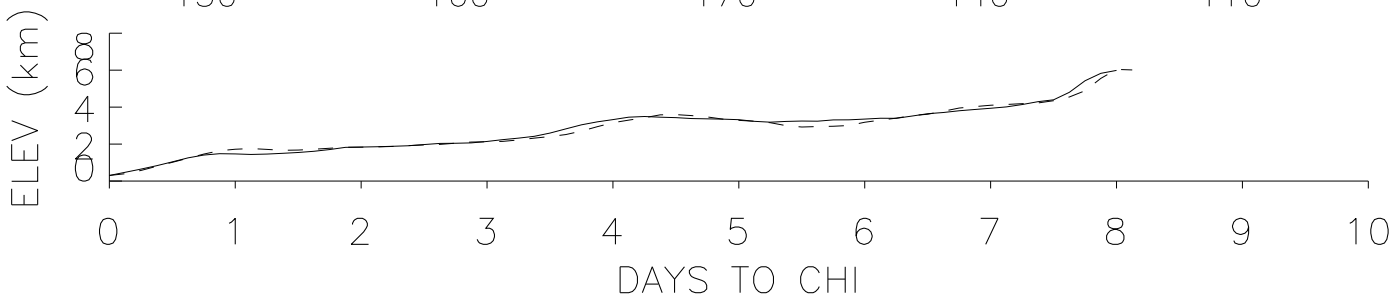


00UT

Day	km	hPa	C
0	0.3	977	22
1	1.5	857	18
2	1.8	825	15
3	2.1	798	9
4	3.3	681	−9
5	3.3	669	−10
6	3.4	672	−9
7	3.9	618	−14
8	6.0	456	−37

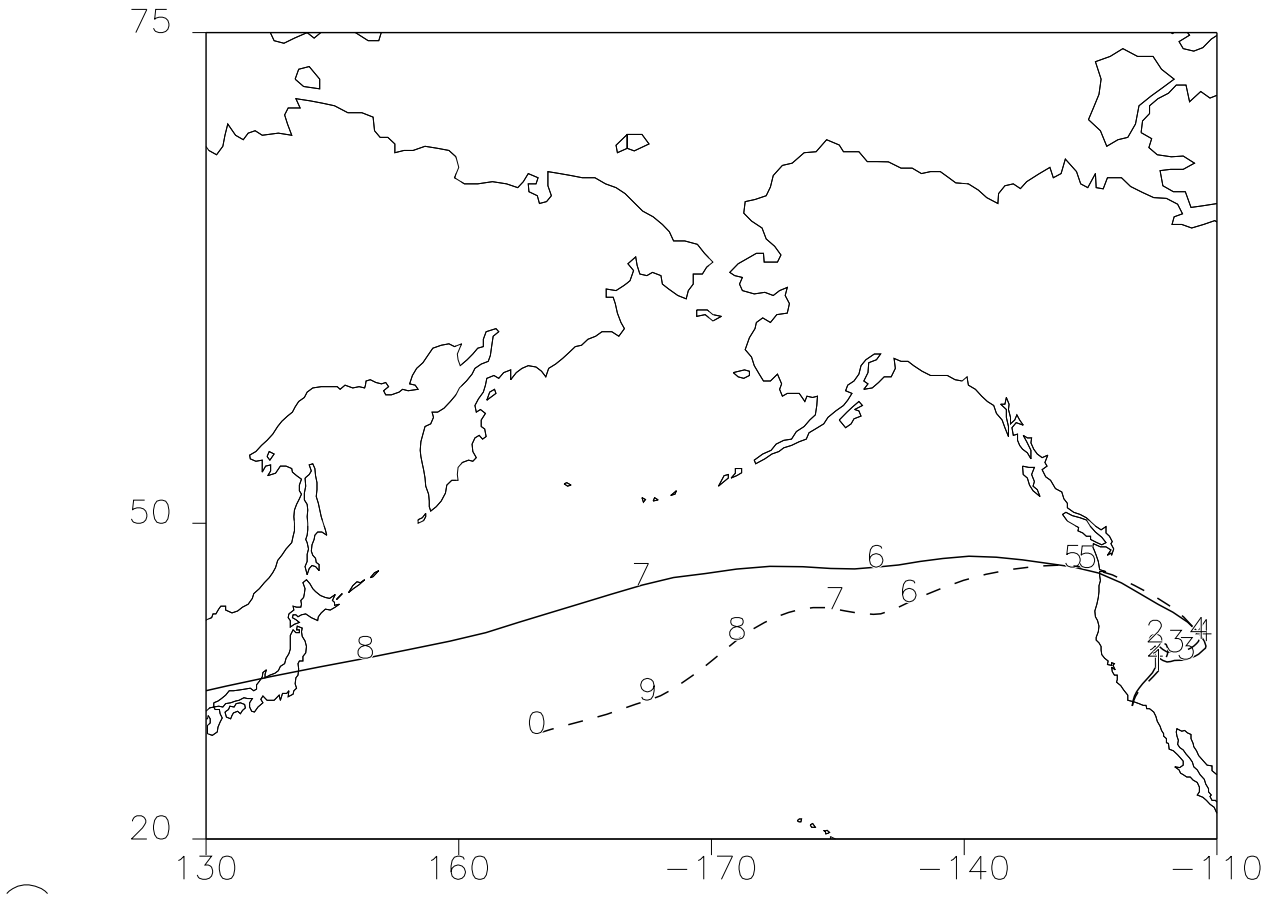
06UT

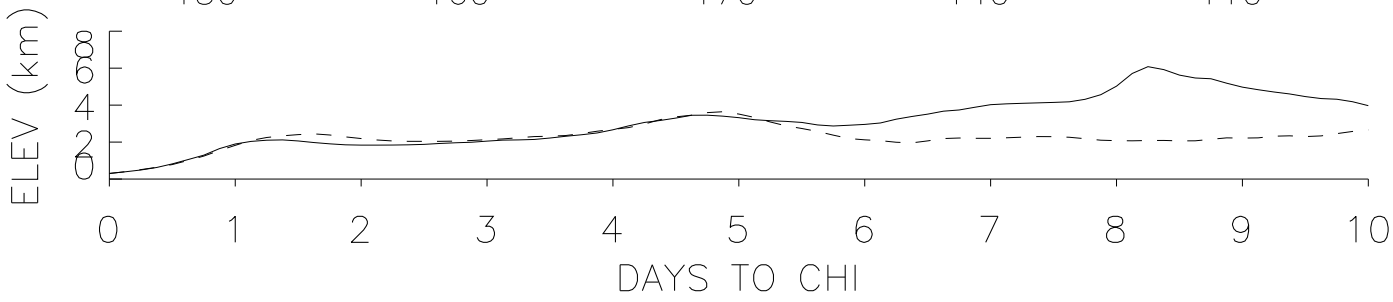
Day	km	hPa	C
0	0.3	979	18
1	1.7	830	10
2	1.8	825	10
3	2.1	799	4
4	3.2	699	−7
5	3.3	674	−10
6	3.2	687	−7
7	4.1	606	−15
8	6.0	452	−37



00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/11/2004 (Day of Year 71)
NCEP/NCAR Reanalysis 1 Data Set





12UT

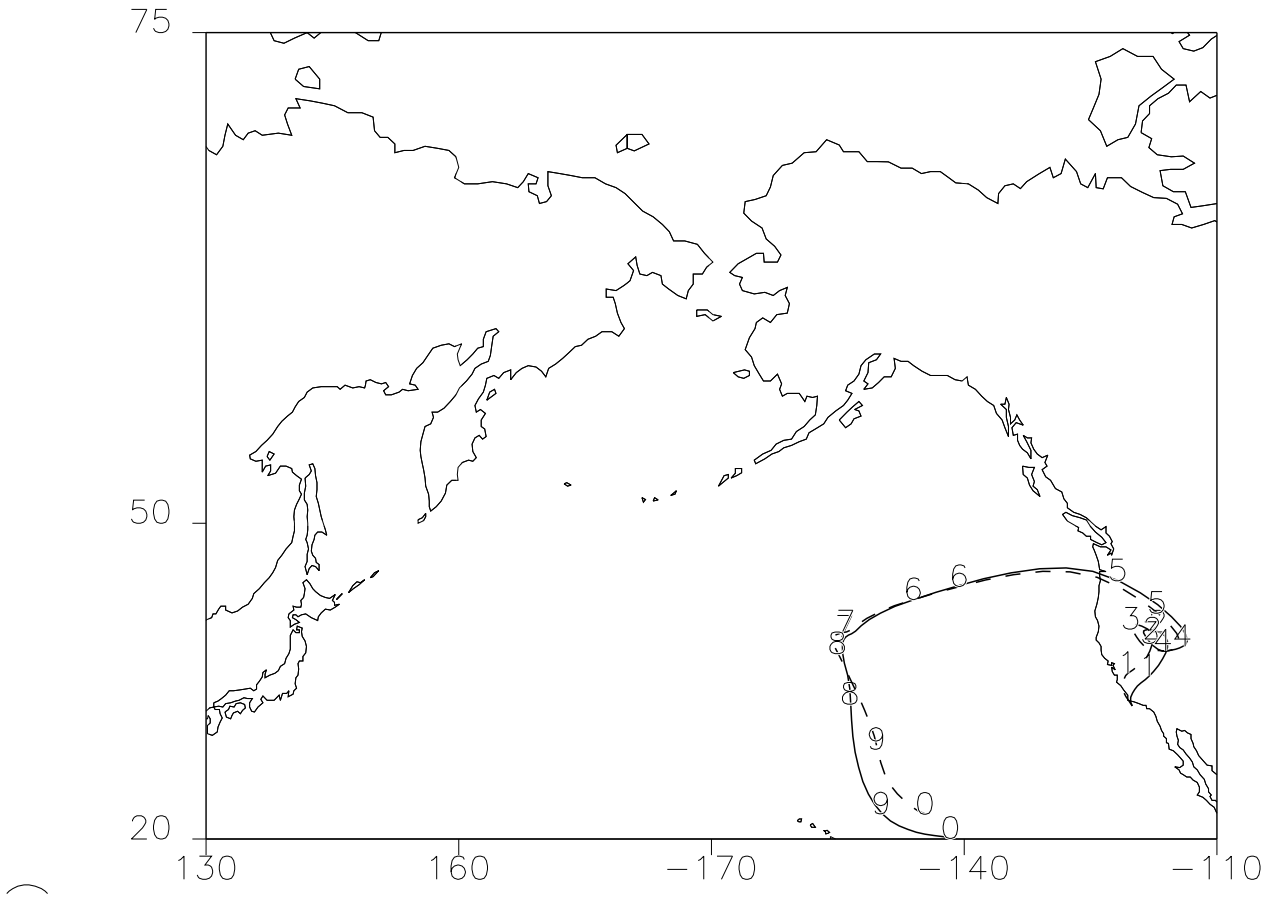
Day	km	hPa	C
0	0.3	979	19
1	1.9	813	7
2	1.8	823	7
3	2.1	806	2
4	2.7	746	−2
5	3.3	672	−11
6	3.0	705	−6
7	4.0	615	−14
8	5.0	525	−26
9	5.0	539	−25
10	4.0	620	−15

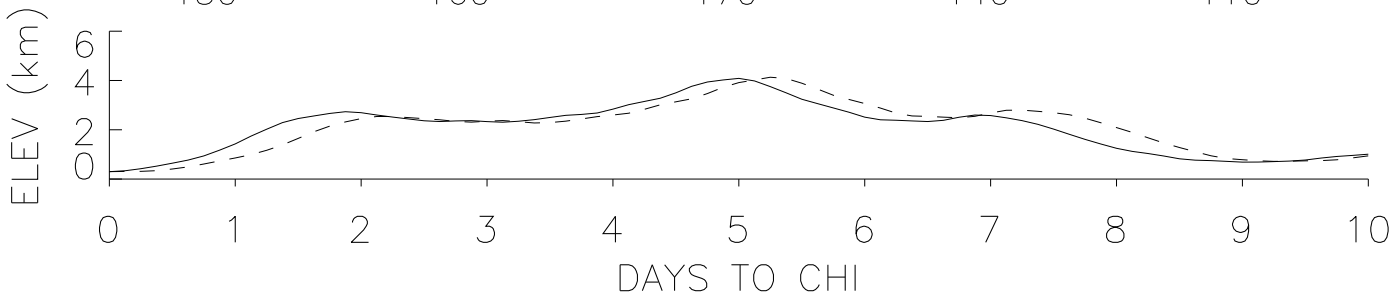
18UT

Day	km	hPa	C
0	0.3	980	20
1	1.8	820	9
2	2.2	787	6
3	2.1	799	5
4	2.7	747	1
5	3.5	658	−9
6	2.1	787	2
7	2.2	783	4
8	2.1	799	6
9	2.2	783	4
10	2.7	737	3

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/12/2004 (Day of Year 72)
NCEP/NCAR Reanalysis 1 Data Set





00UT

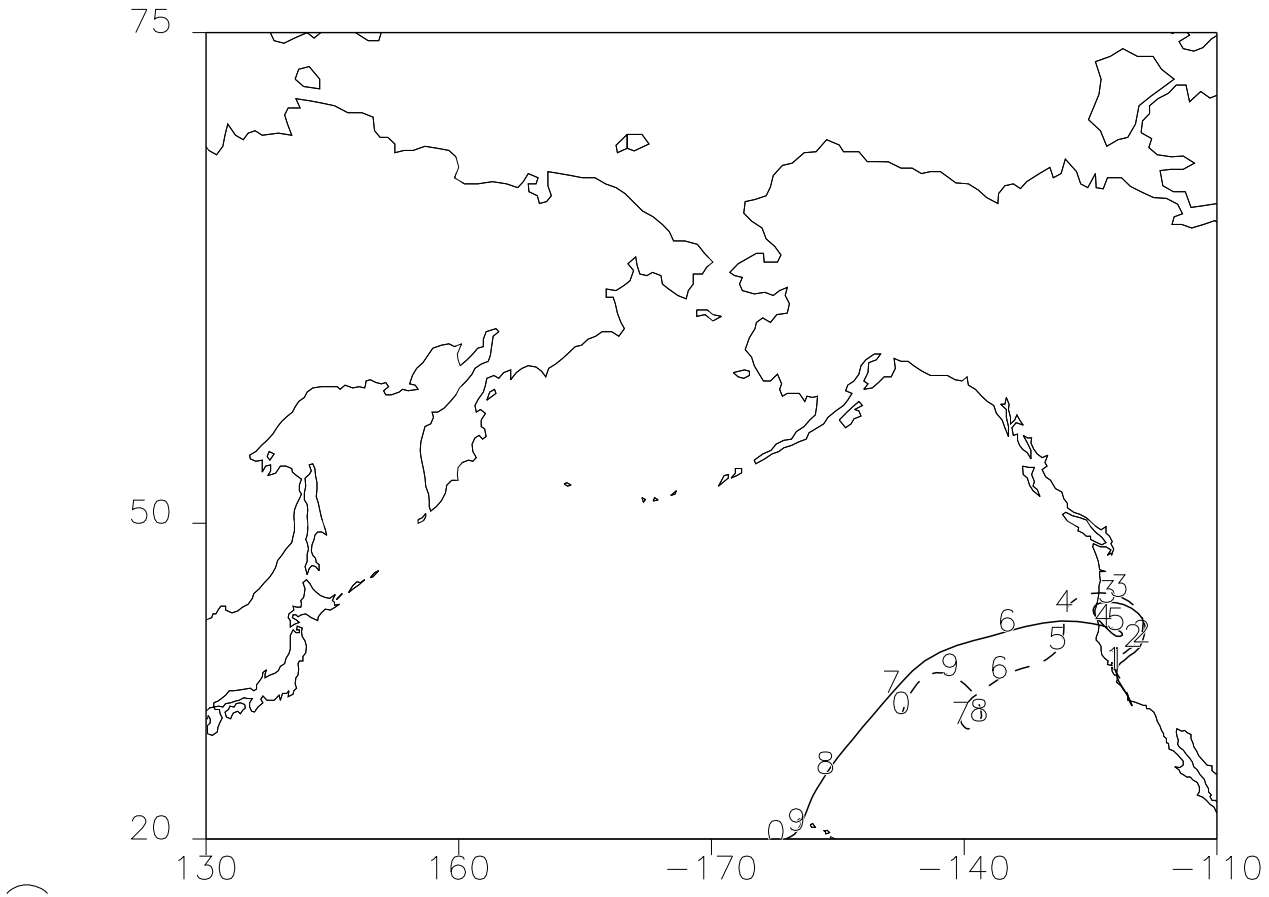
Day	km	hPa	C
0	0.3	977	23
1	1.4	860	16
2	2.7	740	4
3	2.3	778	10
4	2.8	733	4
5	4.1	616	−9
6	2.5	747	2
7	2.6	749	5
8	1.2	881	14
9	0.7	938	18
10	1.0	904	14

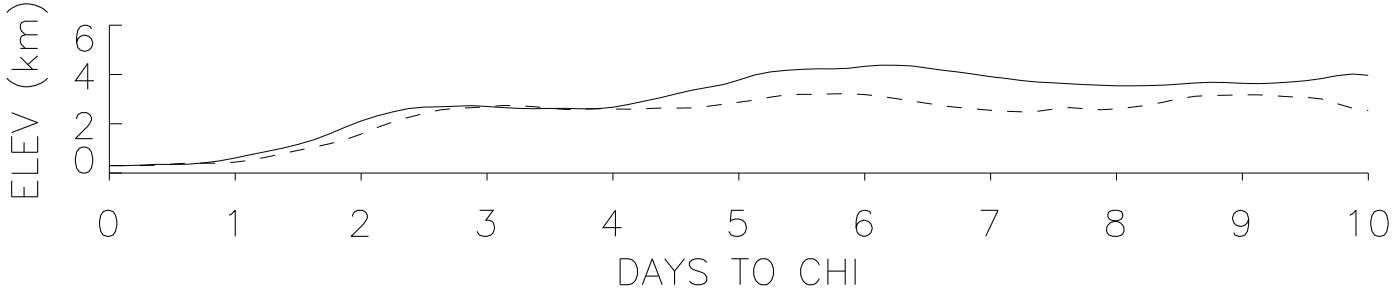
06UT

Day	km	hPa	C
0	0.3	978	18
1	0.9	920	14
2	2.5	760	3
3	2.3	774	7
4	2.6	754	5
5	3.9	636	−7
6	3.1	697	−1
7	2.7	738	4
8	2.1	796	8
9	0.8	932	18
10	0.9	912	14

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/12/2004 (Day of Year 72)
NCEP/NCAR Reanalysis 1 Data Set





12UT

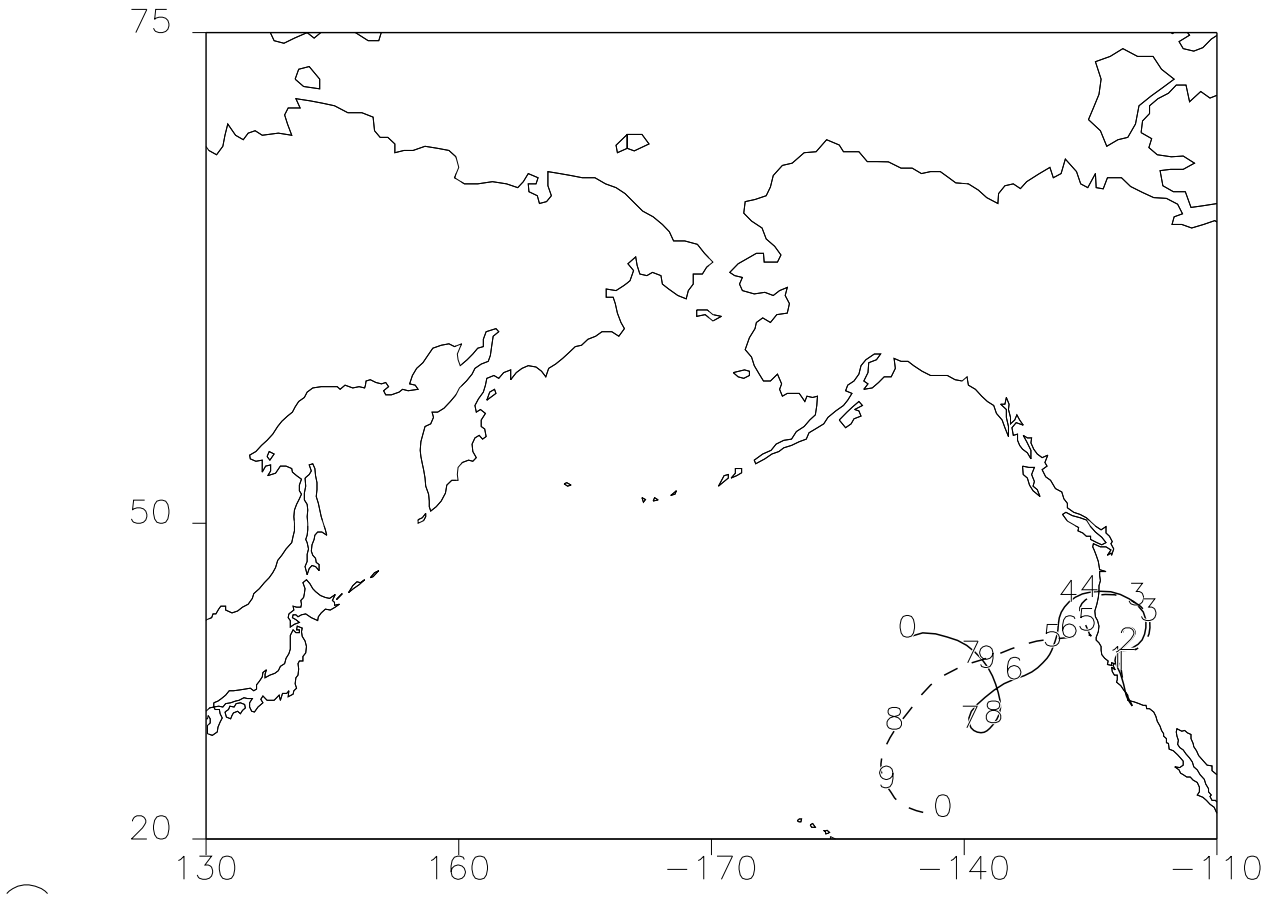
Day	km	hPa	C
0	0.3	978	16
1	0.6	947	14
2	2.1	793	4
3	2.7	740	3
4	2.7	745	6
5	3.8	651	−4
6	4.3	601	−6
7	3.9	638	−3
8	3.5	668	1
9	3.6	656	3
10	4.0	629	−1

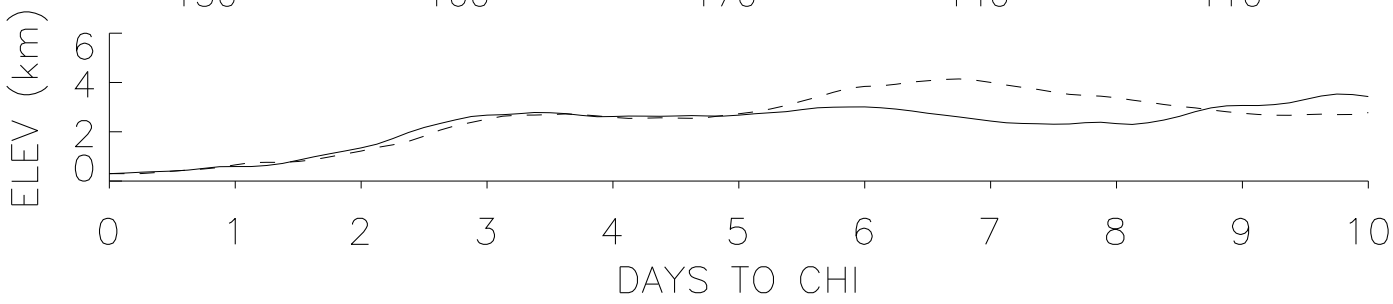
18UT

Day	km	hPa	C
0	0.3	979	17
1	0.4	965	15
2	1.6	847	9
3	2.7	739	1
4	2.6	752	5
5	2.9	730	3
6	3.2	699	2
7	2.5	758	8
8	2.6	753	8
9	3.2	703	4
10	2.5	756	8

12UT – solid
18UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/13/2004 (Day of Year 73)
NCEP/NCAR Reanalysis 1 Data Set





00UT

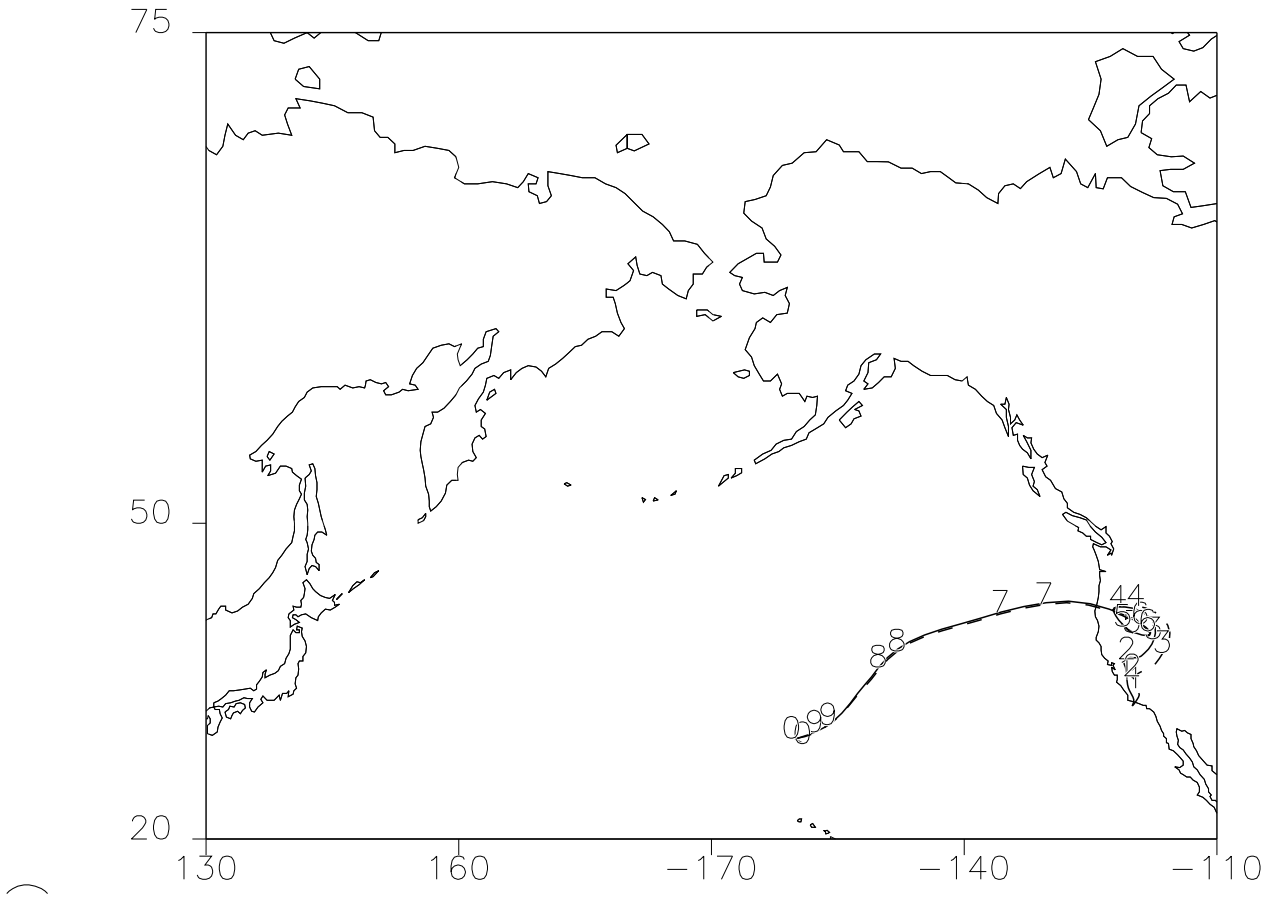
Day	km	hPa	C
0	0.3	975	19
1	0.6	946	20
2	1.3	871	14
3	2.7	741	2
4	2.6	750	5
5	2.7	746	4
6	3.0	714	1
7	2.4	768	8
8	2.3	778	8
9	3.1	710	4
10	3.4	676	−1

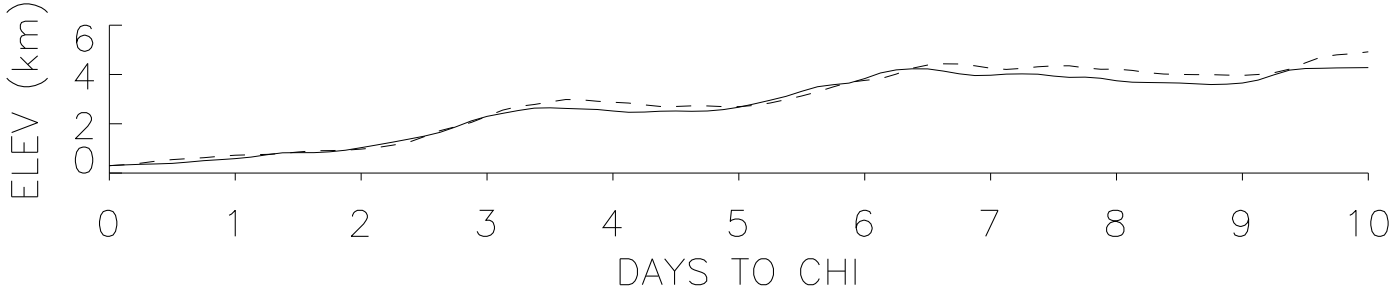
06UT

Day	km	hPa	C
0	0.3	978	15
1	0.7	939	15
2	1.2	884	10
3	2.5	755	1
4	2.6	752	5
5	2.7	741	6
6	3.8	645	−4
7	4.0	630	−4
8	3.4	685	4
9	2.8	739	10
10	2.8	736	11

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/13/2004 (Day of Year 73)
NCEP/NCAR Reanalysis 1 Data Set





12UT

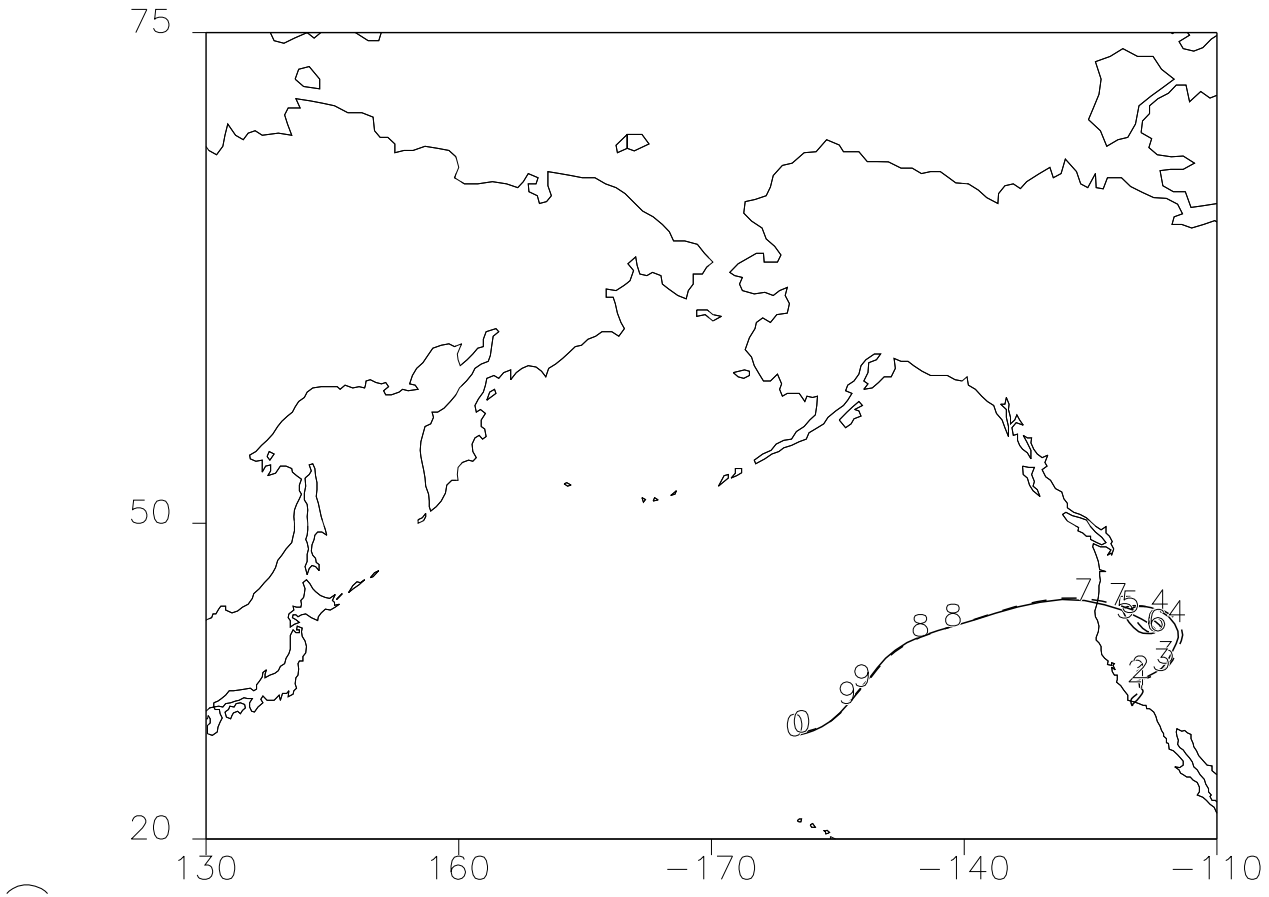
Day	km	hPa	C
0	0.3	979	11
1	0.6	946	13
2	1.0	903	10
3	2.3	775	2
4	2.5	757	4
5	2.7	746	5
6	3.8	645	−5
7	4.0	627	−4
8	3.7	649	−3
9	3.7	655	−2
10	4.3	604	−6

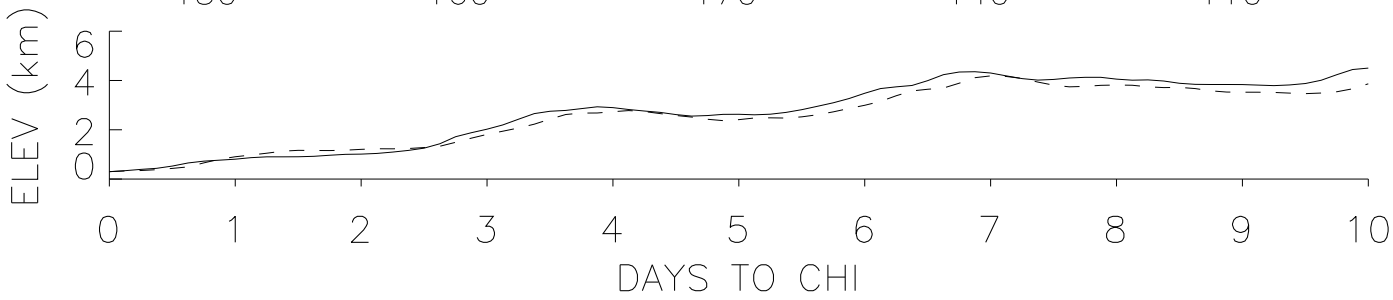
18UT

Day	km	hPa	C
0	0.3	981	17
1	0.7	931	17
2	1.0	908	15
3	2.3	775	5
4	2.9	723	1
5	2.7	744	7
6	3.8	654	−2
7	4.3	605	−6
8	4.2	611	−6
9	4.0	631	−3
10	4.9	557	−11

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/14/2004 (Day of Year 74)
NCEP/NCAR Reanalysis 1 Data Set





00UT

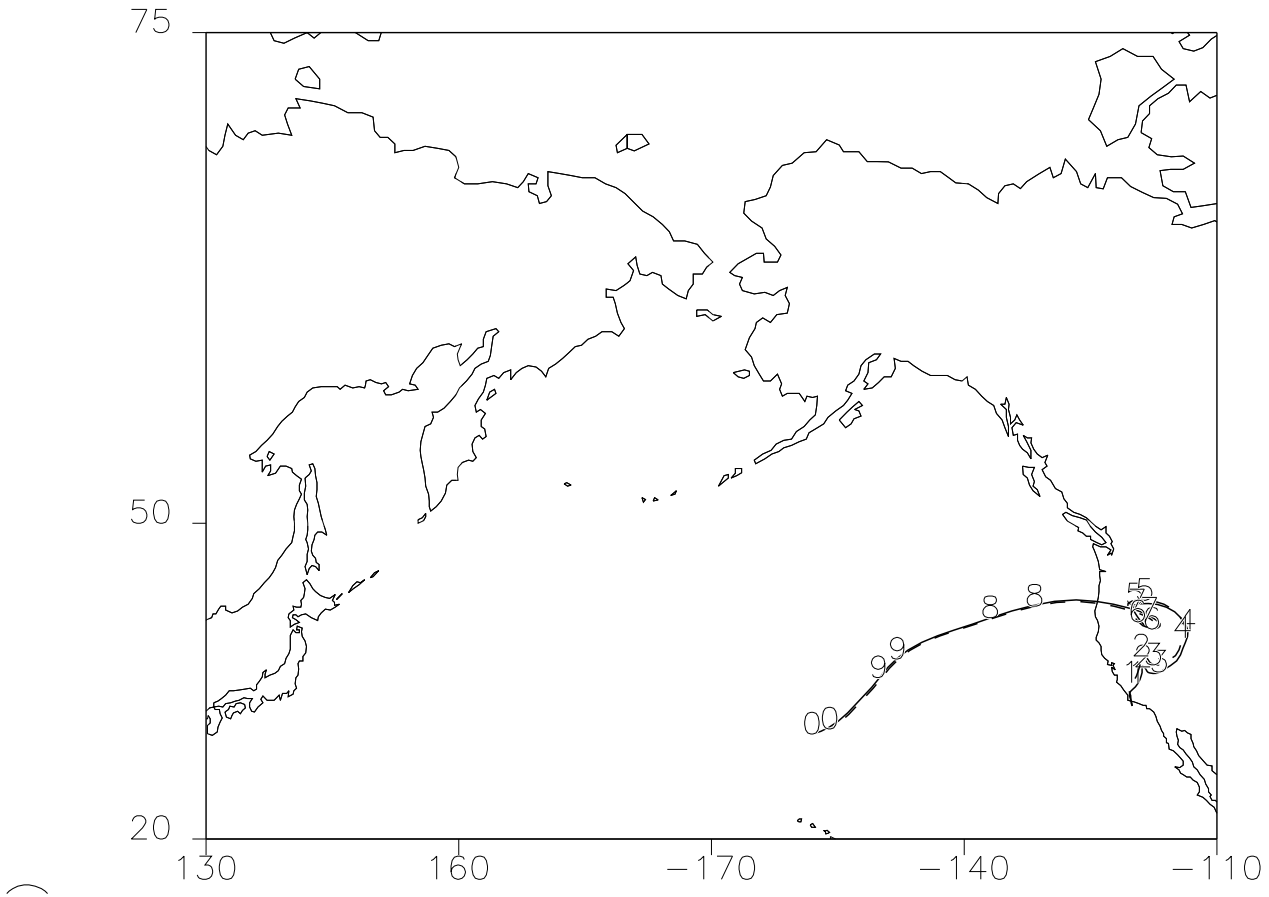
Day	km	hPa	C
0	0.3	980	21
1	0.8	919	20
2	1.0	900	21
3	2.0	801	9
4	2.9	720	0
5	2.6	750	7
6	3.5	677	0
7	4.3	602	−8
8	4.1	622	−5
9	3.8	641	−3
10	4.5	588	−8

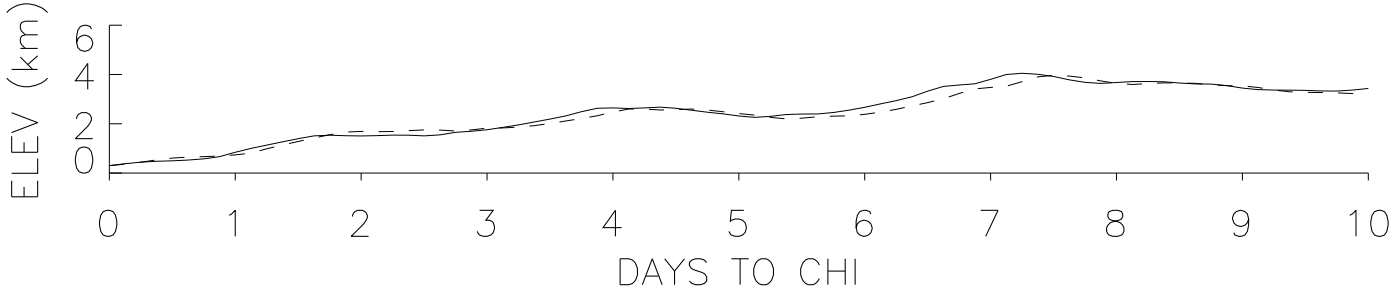
06UT

Day	km	hPa	C
0	0.3	984	16
1	0.9	911	16
2	1.2	880	15
3	1.8	822	7
4	2.7	734	0
5	2.4	768	6
6	3.0	718	3
7	4.2	615	−8
8	3.8	640	−4
9	3.5	668	−1
10	3.9	638	−4

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/14/2004 (Day of Year 74)
NCEP/NCAR Reanalysis 1 Data Set





12UT

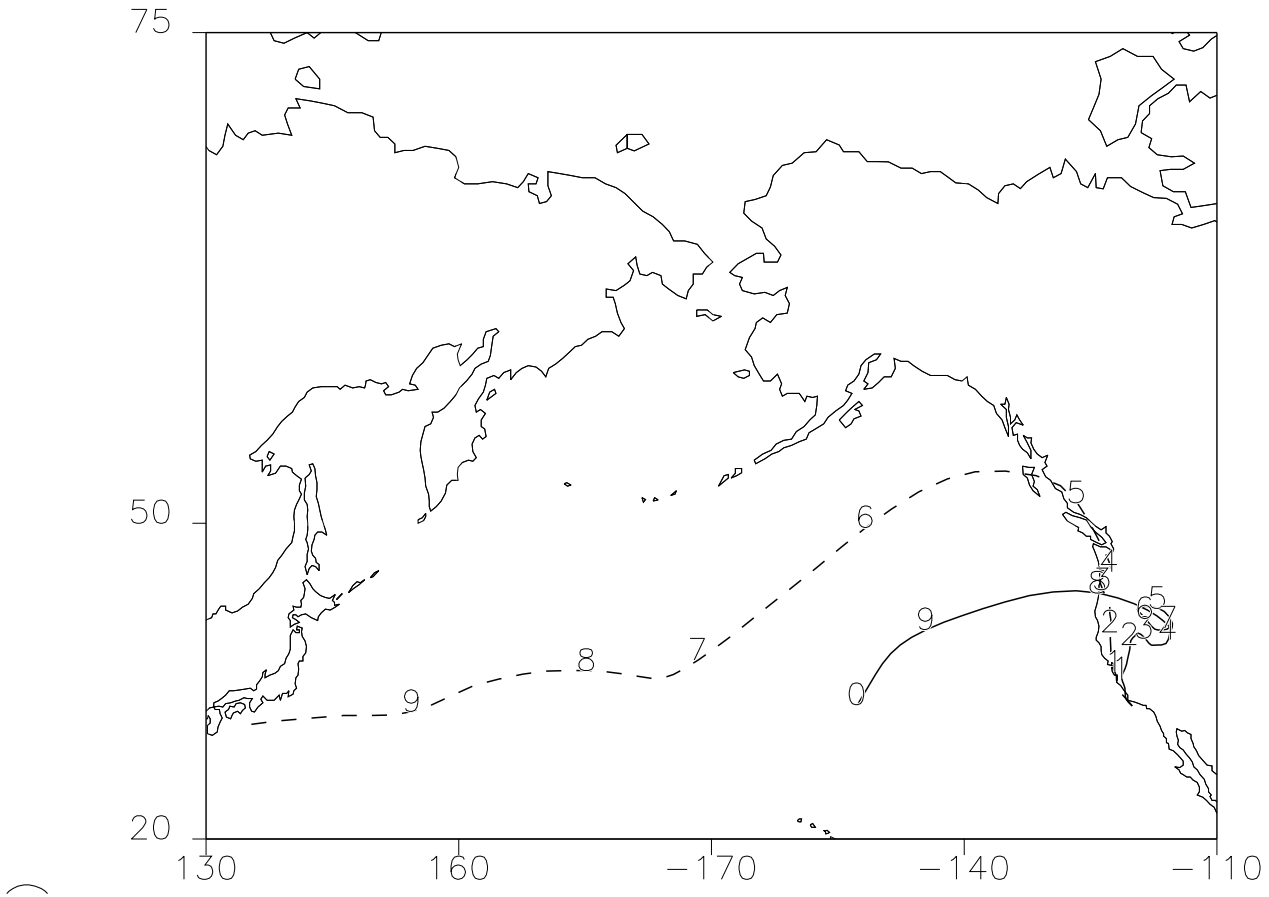
Day	km	hPa	C
0	0.3	984	13
1	0.8	920	10
2	1.5	848	10
3	1.8	828	7
4	2.6	742	−1
5	2.3	776	5
6	2.7	747	3
7	3.8	647	−5
8	3.7	651	−3
9	3.4	674	0
10	3.4	674	−1

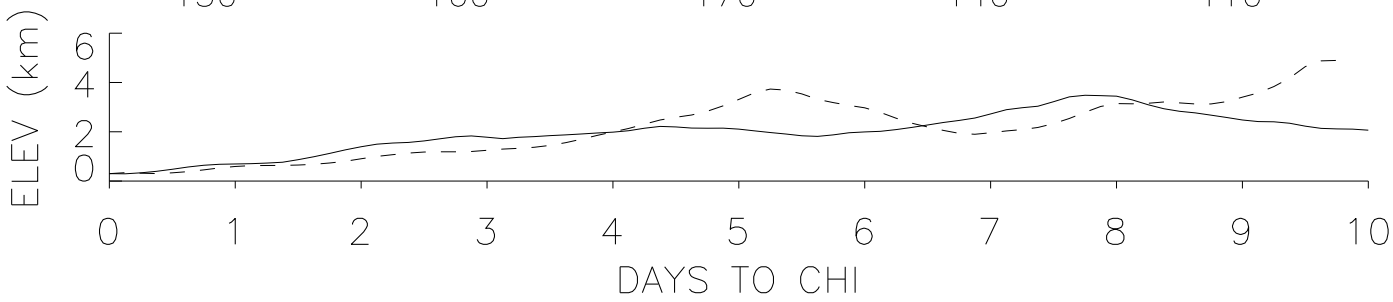
18UT

Day	km	hPa	C
0	0.3	986	17
1	0.7	933	18
2	1.7	830	10
3	1.8	821	8
4	2.5	758	2
5	2.4	765	2
6	2.4	774	7
7	3.5	677	−2
8	3.6	654	−3
9	3.5	666	−1
10	3.2	694	1

12UT – solid
18UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/15/2004 (Day of Year 75)
NCEP/NCAR Reanalysis 1 Data Set





00UT

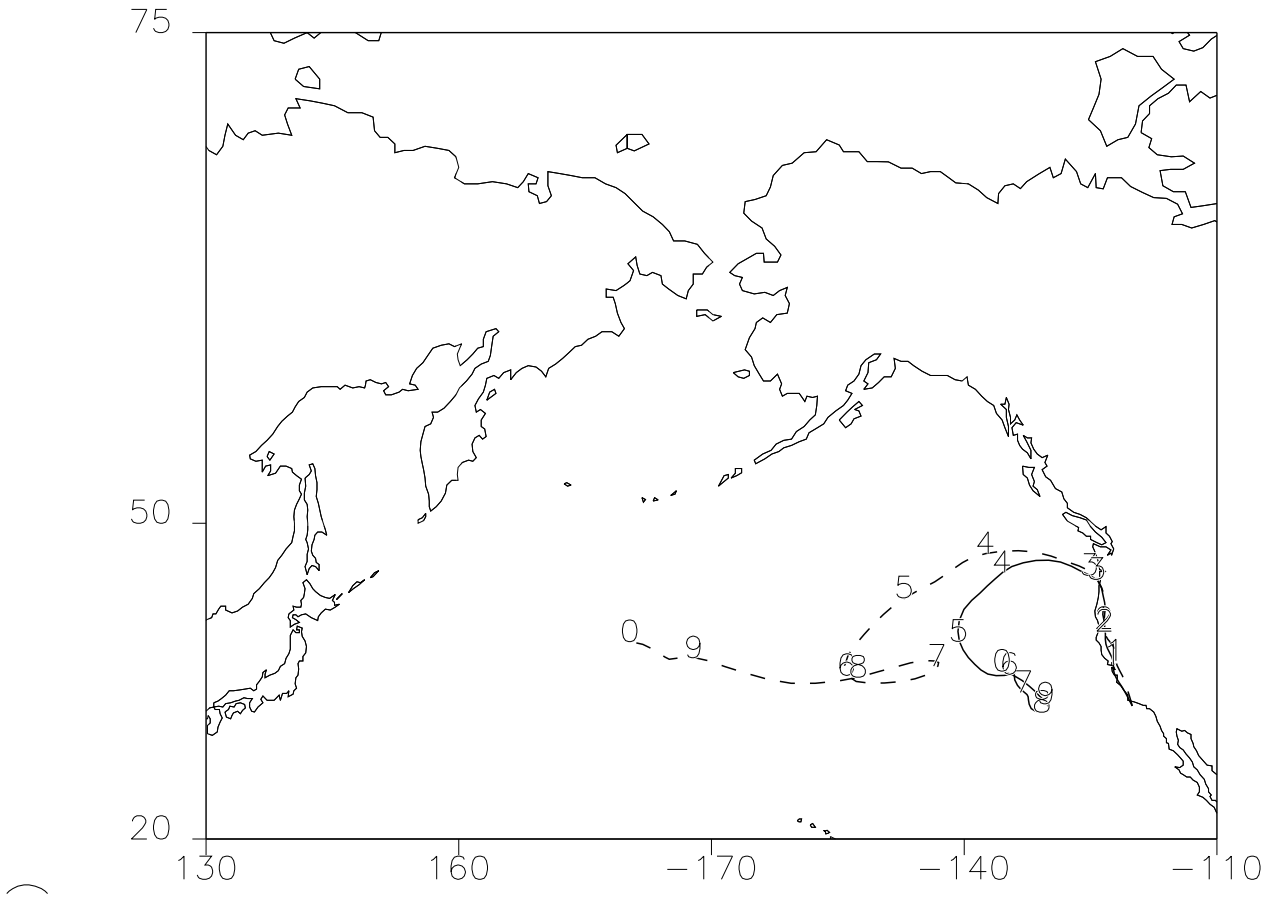
Day	km	hPa	C
0	0.3	984	19
1	0.7	938	22
2	1.4	860	15
3	1.8	823	11
4	2.0	807	6
5	2.1	794	6
6	2.0	811	11
7	2.7	743	3
8	3.4	671	−5
9	2.5	756	3
10	2.1	798	8

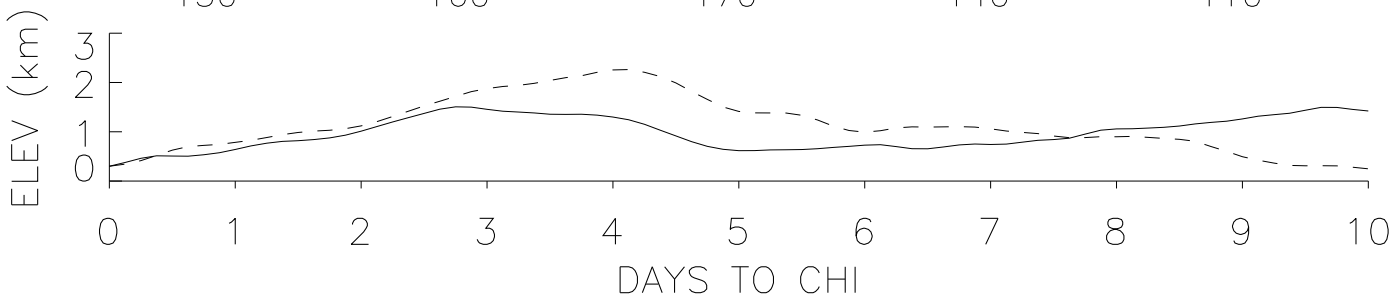
06UT

Day	km	hPa	C
0	0.3	985	16
1	0.6	951	18
2	0.9	914	11
3	1.2	878	9
4	2.0	808	6
5	3.3	682	−8
6	3.0	700	−9
7	2.0	806	4
8	3.1	696	−4
9	3.4	671	−6

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/15/2004 (Day of Year 75)
NCEP/NCAR Reanalysis 1 Data Set





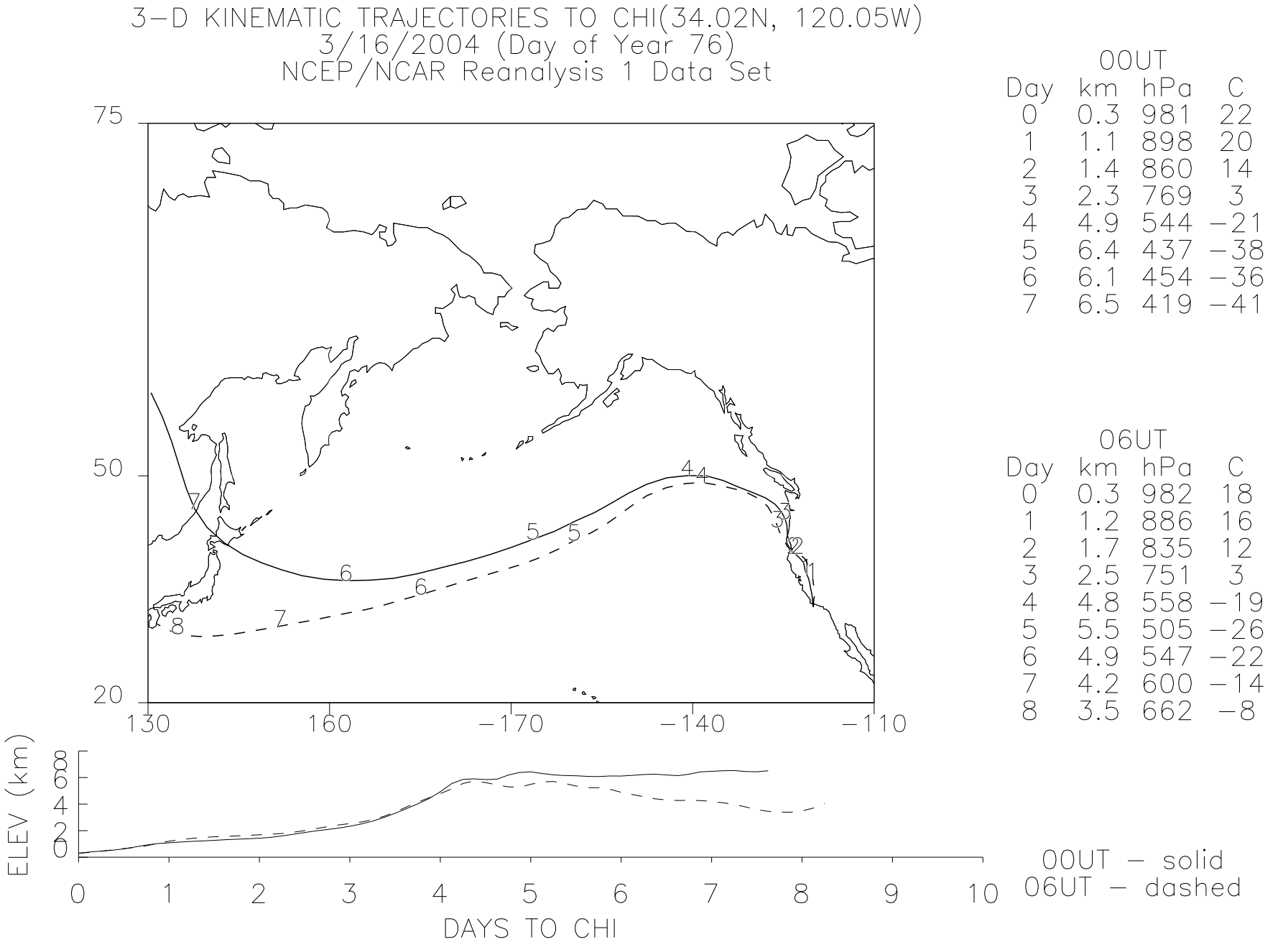
12UT

Day	km	hPa	C
0	0.3	984	15
1	0.6	946	16
2	1.0	903	8
3	1.5	856	7
4	1.3	878	3
5	0.6	960	12
6	0.7	946	12
7	0.7	940	11
8	1.1	908	11
9	1.3	886	10
10	1.4	867	11

18UT

Day	km	hPa	C
0	0.3	985	19
1	0.8	933	18
2	1.1	892	11
3	1.9	814	3
4	2.3	776	−1
5	1.4	866	3
6	1.0	910	8
7	1.1	903	7
8	0.9	908	8
9	0.5	953	7
10	0.2	976	10

12UT − solid
18UT − dashed



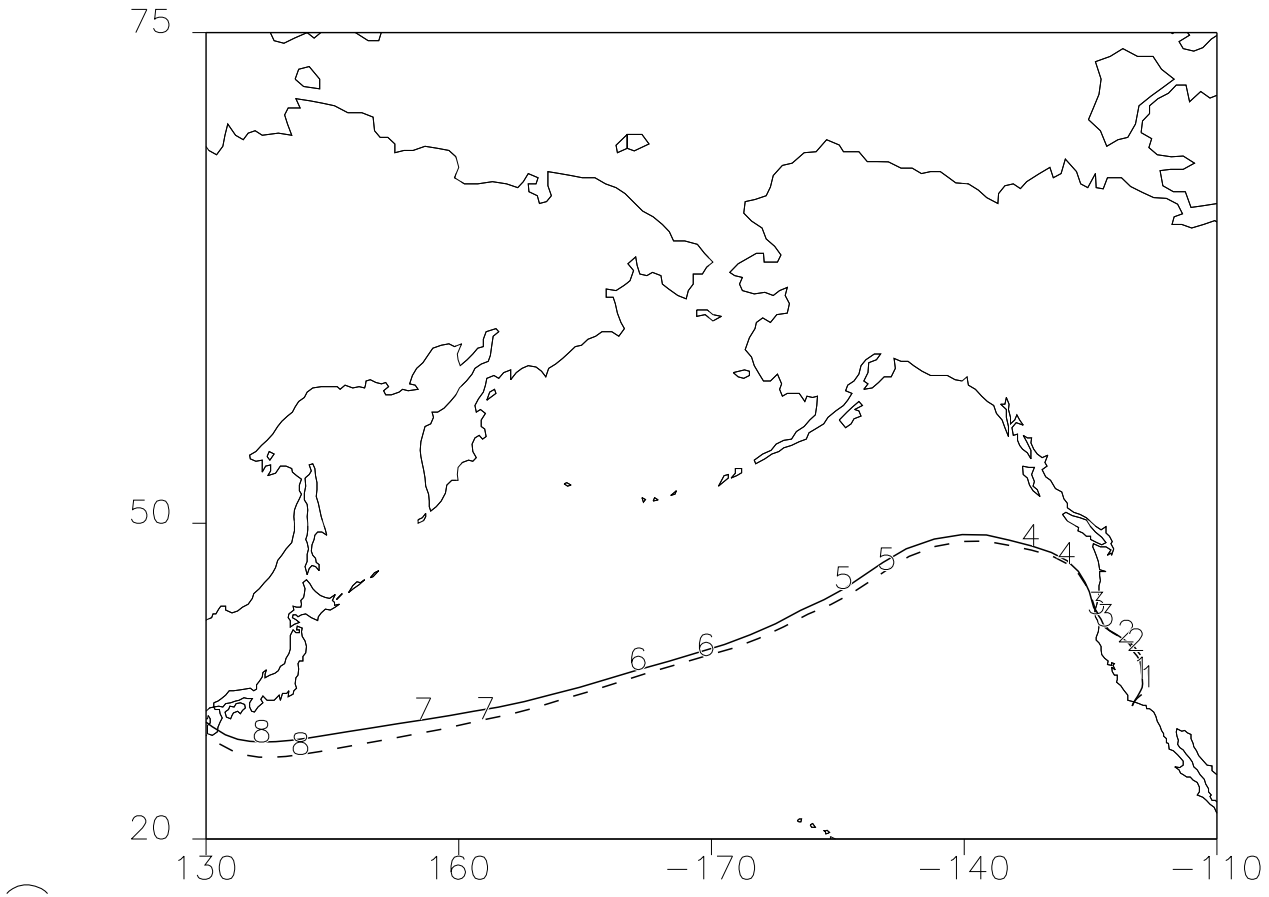
00UT

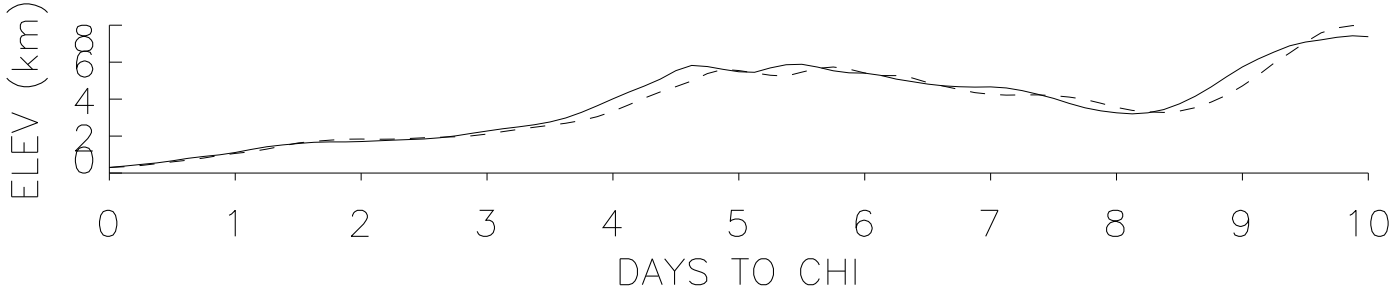
Day	km	hPa	C
0	0.3	981	22
1	1.1	898	20
2	1.4	860	14
3	2.3	769	3
4	4.9	544	-21
5	6.4	437	-38
6	6.1	454	-36
7	6.5	419	-41

06UT

Day	km	hPa	C
0	0.3	982	18
1	1.2	886	16
2	1.7	835	12
3	2.5	751	3
4	4.8	558	-19
5	5.5	505	-26
6	4.9	547	-22
7	4.2	600	-14
8	3.5	662	-8

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/16/2004 (Day of Year 76)
NCEP/NCAR Reanalysis 1 Data Set





12UT

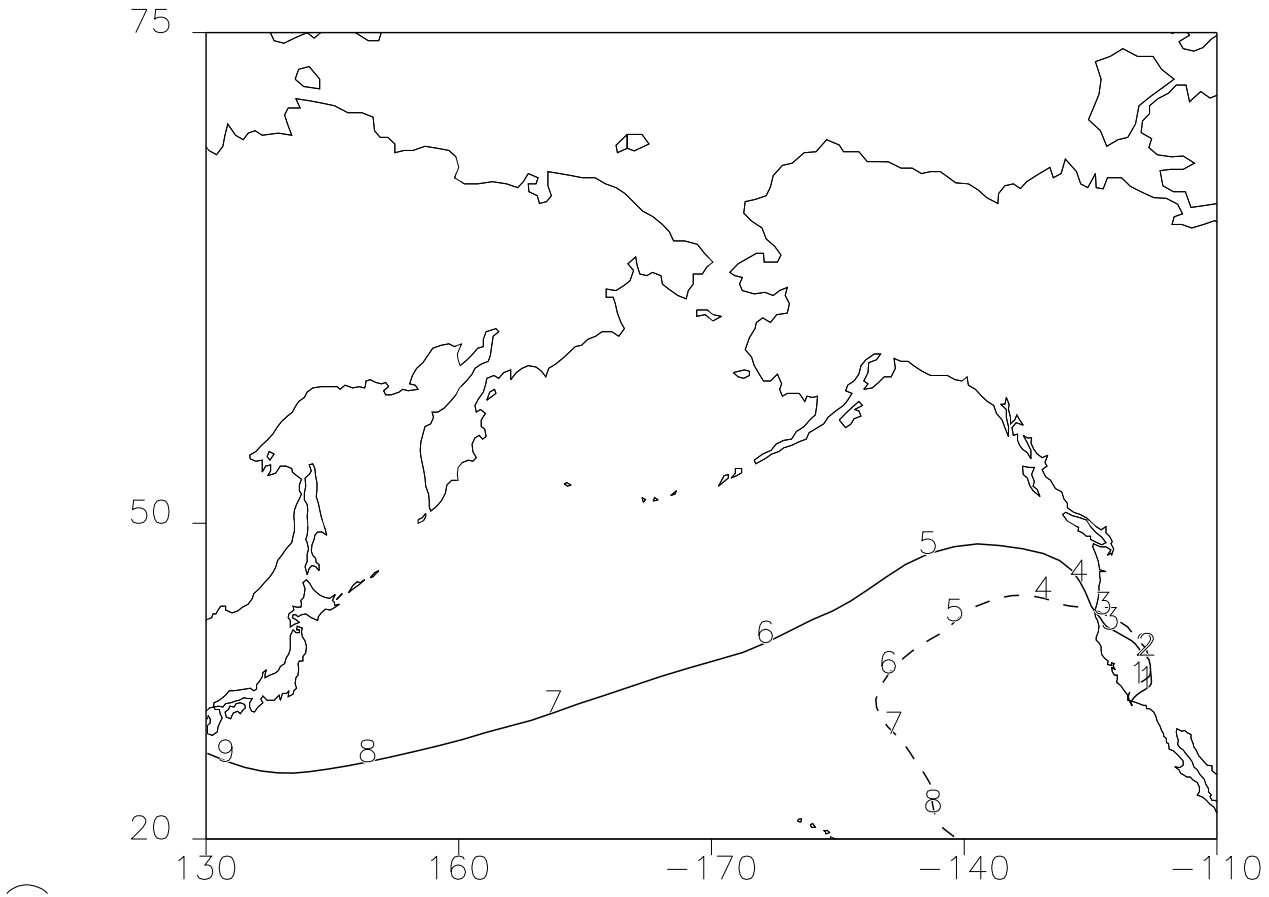
Day	km	hPa	C
0	0.3	980	18
1	1.1	895	13
2	1.7	834	11
3	2.3	775	6
4	4.0	619	−10
5	5.5	506	−25
6	5.4	509	−26
7	4.7	565	−18
8	3.3	682	−7
9	5.7	485	−30
10	7.4	383	−44

18UT

Day	km	hPa	C
0	0.3	982	20
1	1.1	901	18
2	1.8	822	11
3	2.1	792	8
4	3.3	678	−3
5	5.5	503	−25
6	5.4	509	−27
7	4.3	597	−14
8	3.6	656	−7
9	4.7	564	−17
10	8.0	354	−48

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/17/2004 (Day of Year 77)
NCEP/NCAR Reanalysis 1 Data Set

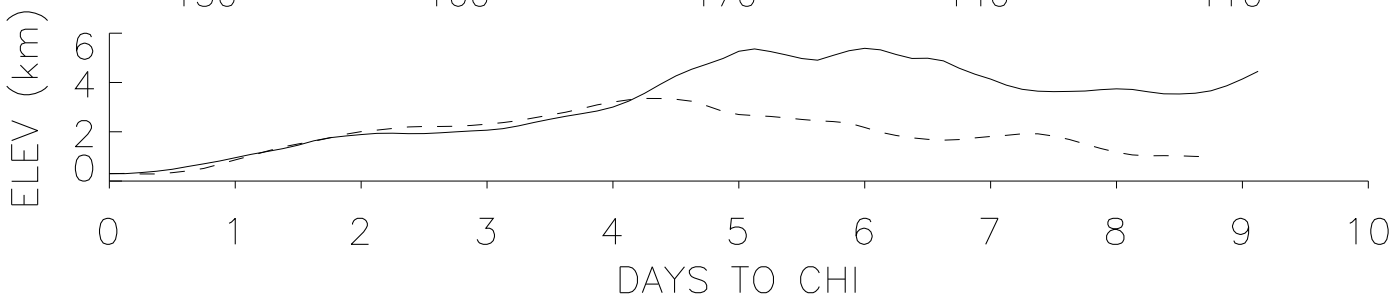


00UT

Day	km	hPa	C
0	0.3	979	24
1	0.9	911	22
2	1.9	817	14
3	2.1	797	10
4	3.0	708	0
5	5.3	524	−22
6	5.4	513	−26
7	4.1	609	−13
8	3.7	643	−5
9	4.1	614	−7

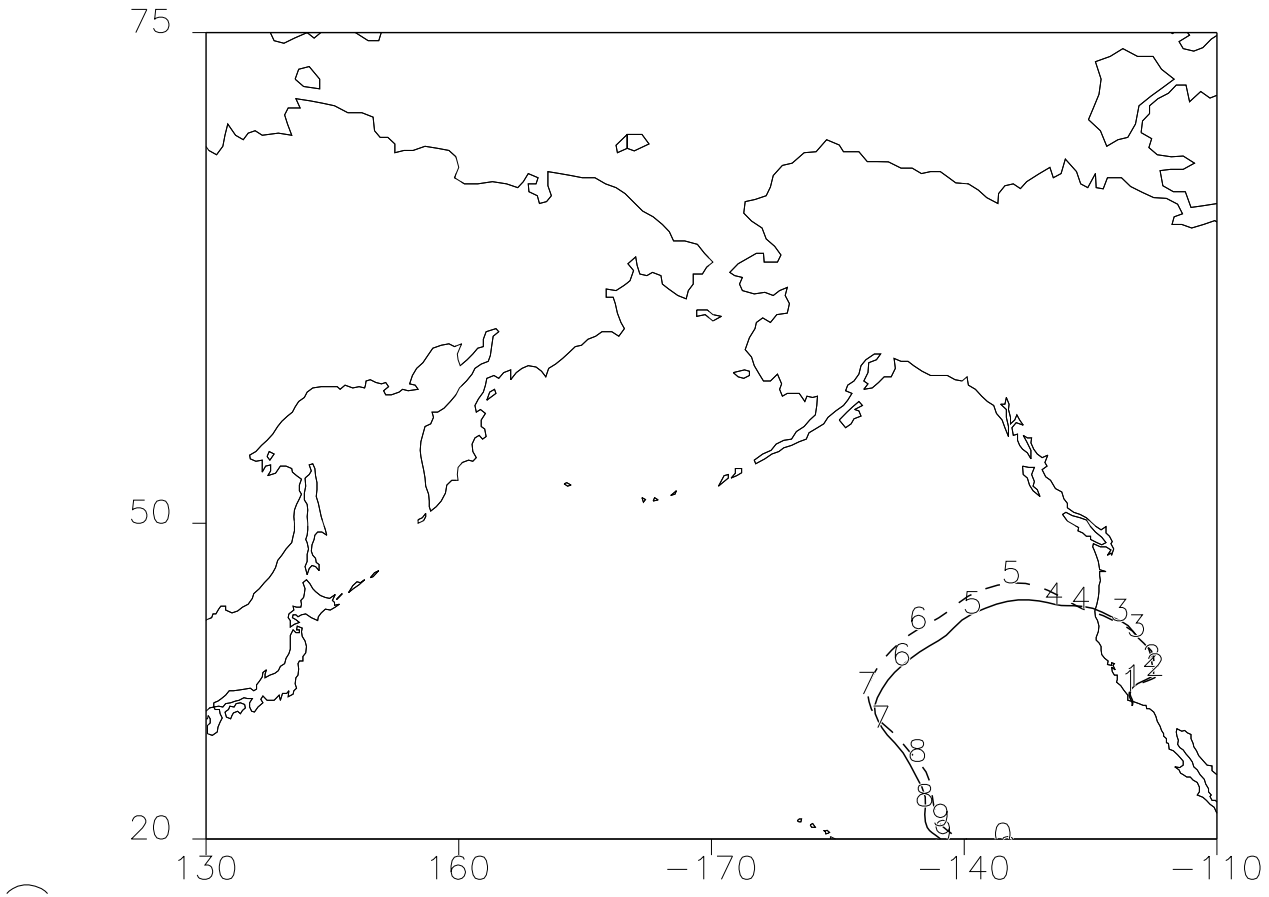
06UT

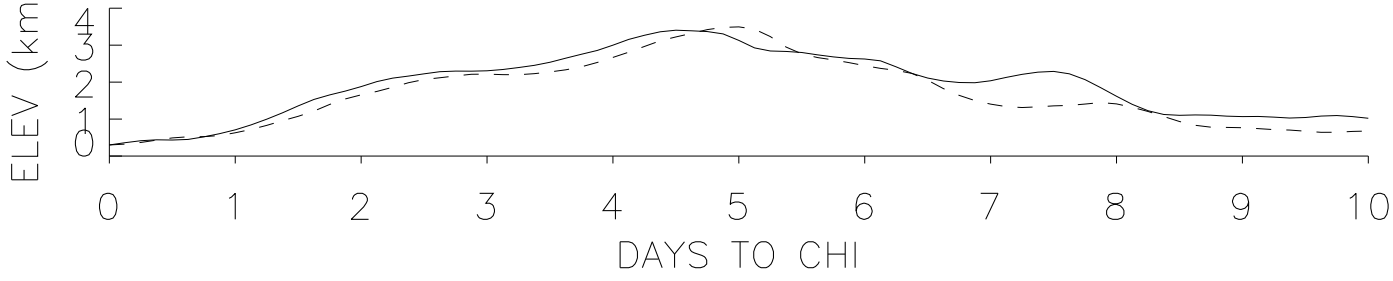
Day	km	hPa	C
0	0.3	980	18
1	0.9	922	17
2	2.0	805	9
3	2.3	774	6
4	3.2	693	−1
5	2.7	740	3
6	2.2	791	6
7	1.8	826	10
8	1.2	886	14



00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/17/2004 (Day of Year 77)
NCEP/NCAR Reanalysis 1 Data Set





12UT

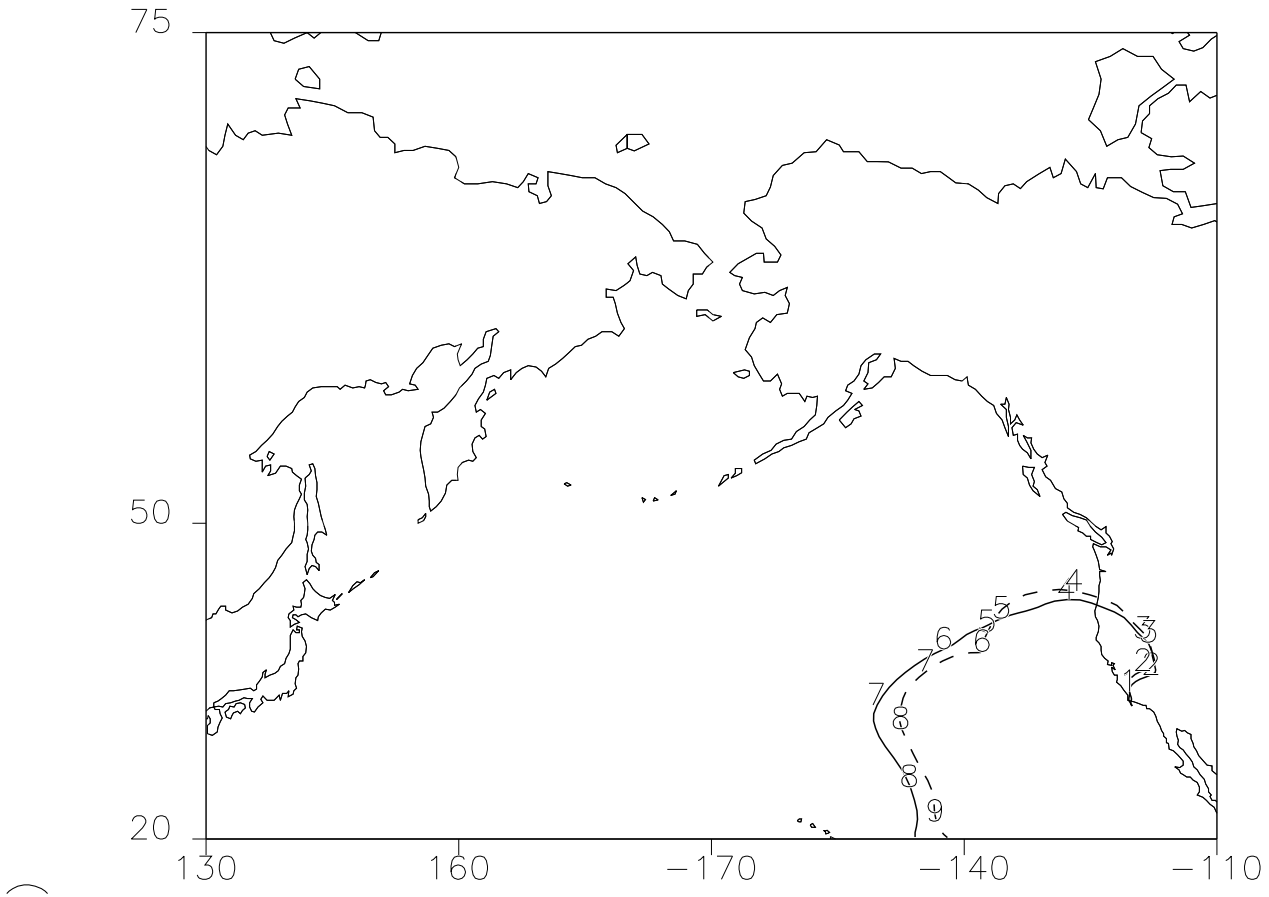
Day	km	hPa	C
0	0.3	978	16
1	0.7	936	17
2	1.9	816	8
3	2.3	775	5
4	3.0	711	1
5	3.1	701	0
6	2.6	748	3
7	2.0	803	9
8	1.6	838	10
9	1.1	896	13
10	1.0	902	14

18UT

Day	km	hPa	C
0	0.3	980	20
1	0.6	946	21
2	1.7	840	13
3	2.2	785	7
4	2.7	740	4
5	3.5	668	−4
6	2.4	763	2
7	1.4	868	9
8	1.4	862	13
9	0.8	930	15
10	0.7	944	14

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/18/2004 (Day of Year 78)
NCEP/NCAR Reanalysis 1 Data Set

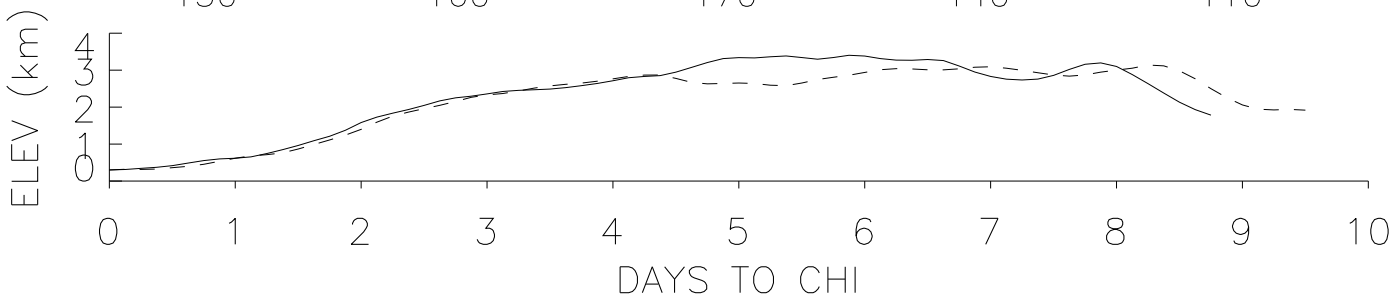


00UT

Day	km	hPa	C
0	0.3	976	24
1	0.6	945	25
2	1.6	846	17
3	2.4	772	8
4	2.7	735	2
5	3.3	683	0
6	3.4	682	0
7	2.8	731	5
8	3.1	700	3

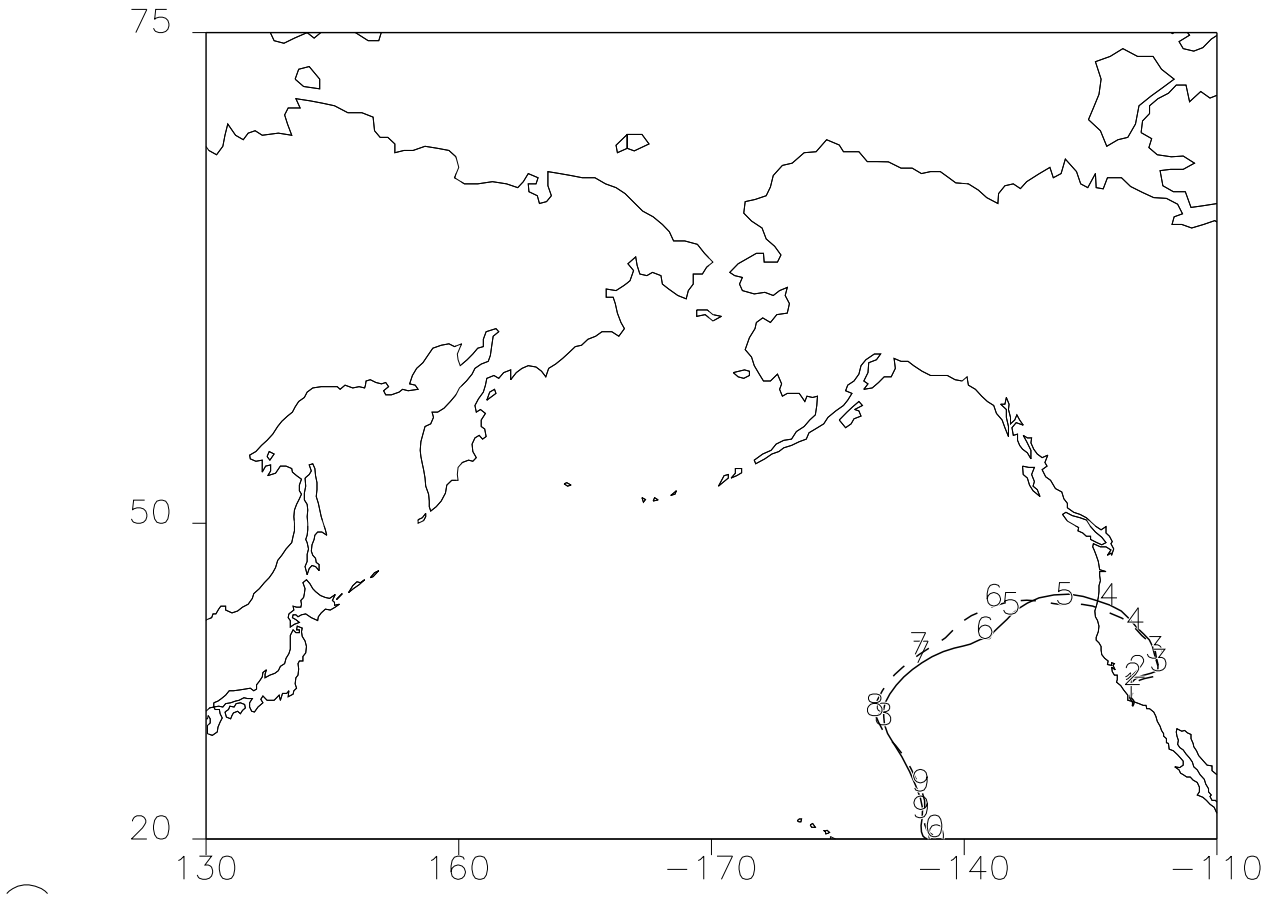
06UT

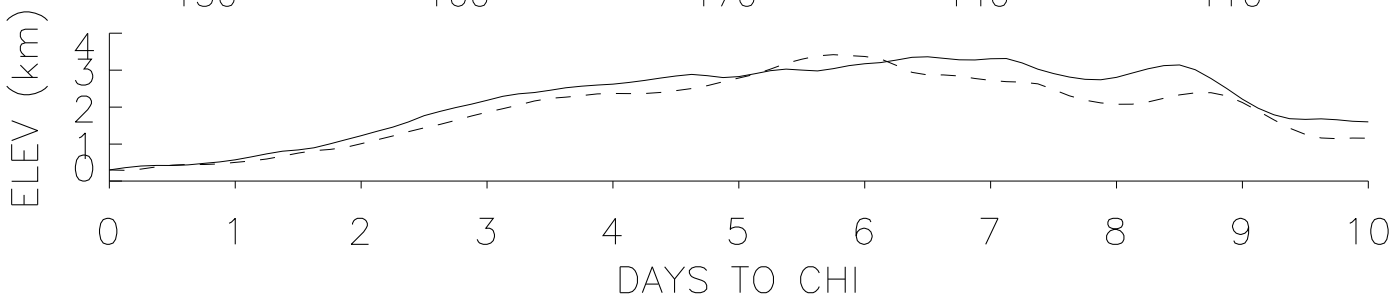
Day	km	hPa	C
0	0.3	977	20
1	0.6	945	18
2	1.4	866	14
3	2.3	774	5
4	2.8	730	0
5	2.7	741	3
6	2.9	720	4
7	3.1	709	3
8	3.0	715	4
9	2.1	796	10



00UT – solid
06UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/18/2004 (Day of Year 78)
NCEP/NCAR Reanalysis 1 Data Set





12UT

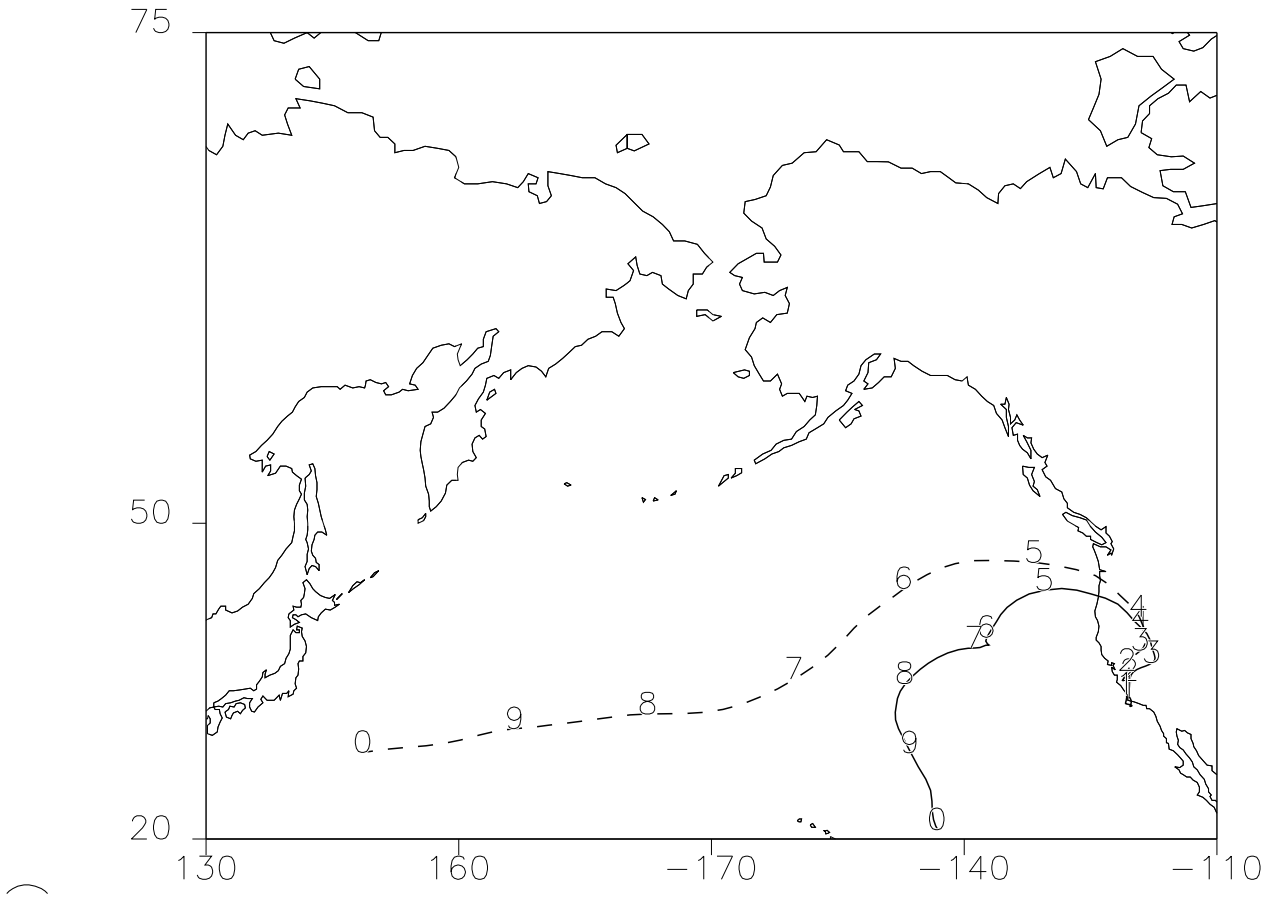
Day	km	hPa	C
0	0.3	976	19
1	0.6	948	17
2	1.2	882	14
3	2.2	787	5
4	2.6	745	2
5	2.8	725	1
6	3.2	699	3
7	3.3	688	1
8	2.8	731	5
9	2.2	779	8
10	1.6	841	10

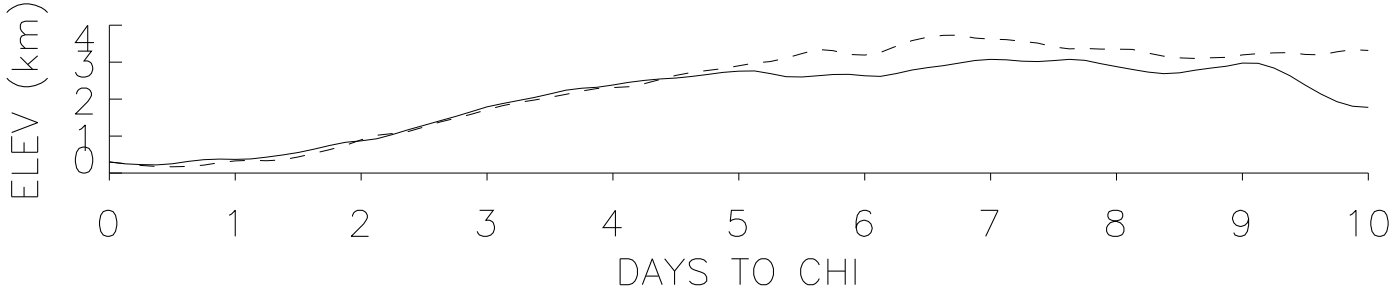
18UT

Day	km	hPa	C
0	0.3	979	20
1	0.5	957	22
2	1.0	905	20
3	1.9	820	11
4	2.4	770	5
5	2.8	729	2
6	3.4	680	−2
7	2.7	739	3
8	2.1	801	8
9	2.1	790	9
10	1.2	888	13

12UT – solid
18UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/19/2004 (Day of Year 79)
NCEP/NCAR Reanalysis 1 Data Set





00UT

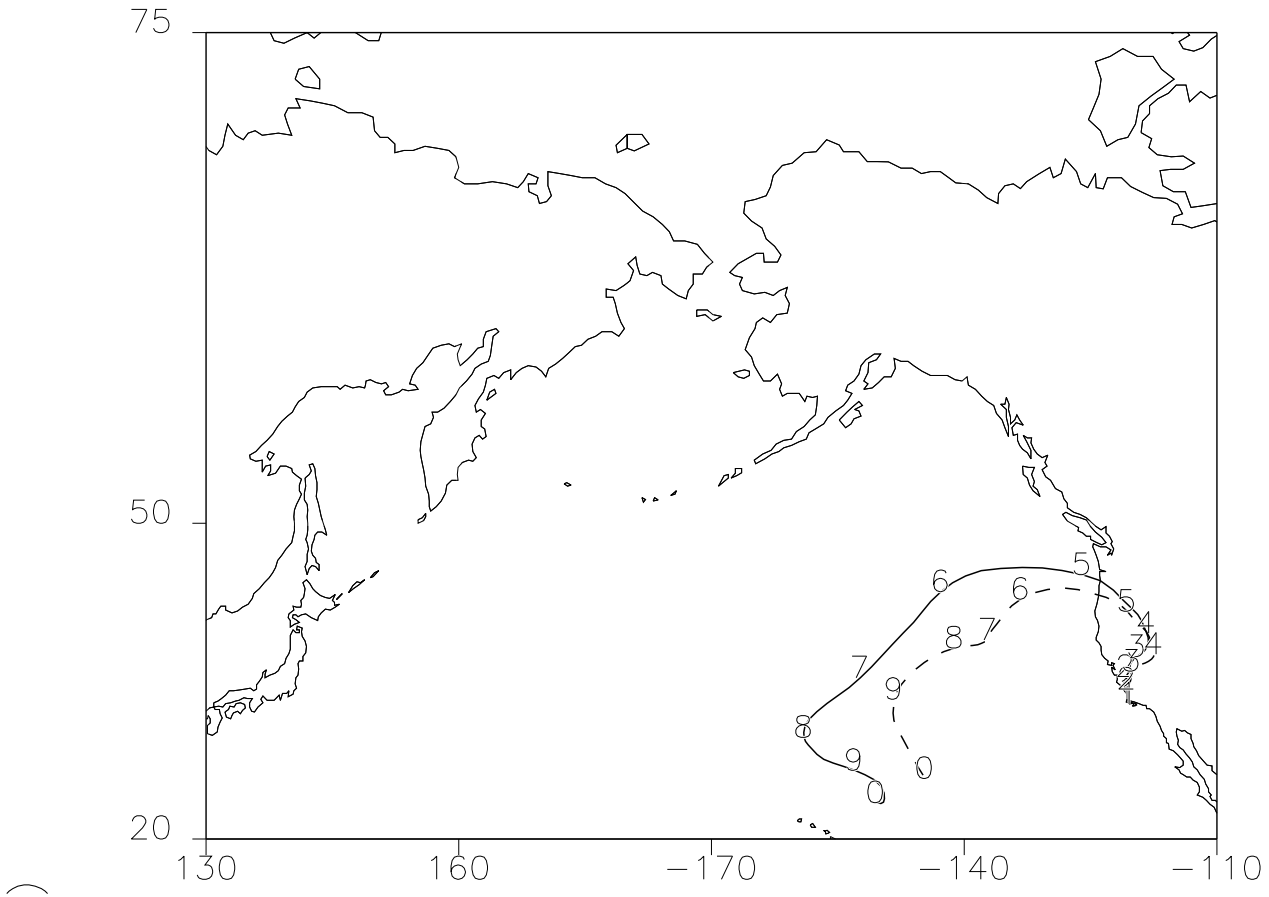
Day	km	hPa	C
0	0.3	978	22
1	0.4	969	25
2	0.9	918	24
3	1.8	826	14
4	2.4	769	6
5	2.8	729	0
6	2.6	745	4
7	3.1	708	3
8	2.9	727	4
9	3.0	713	5
10	1.8	823	10

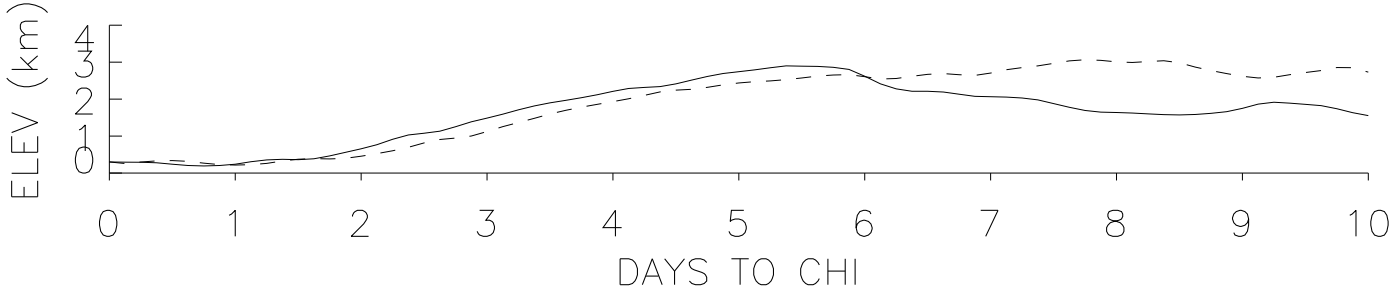
06UT

Day	km	hPa	C
0	0.3	981	17
1	0.3	974	20
2	0.9	915	16
3	1.7	835	10
4	2.3	775	2
5	2.9	714	−3
6	3.2	684	−7
7	3.6	649	−9
8	3.4	676	−7
9	3.2	689	−6
10	3.3	676	−6

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/19/2004 (Day of Year 79)
NCEP/NCAR Reanalysis 1 Data Set





12UT

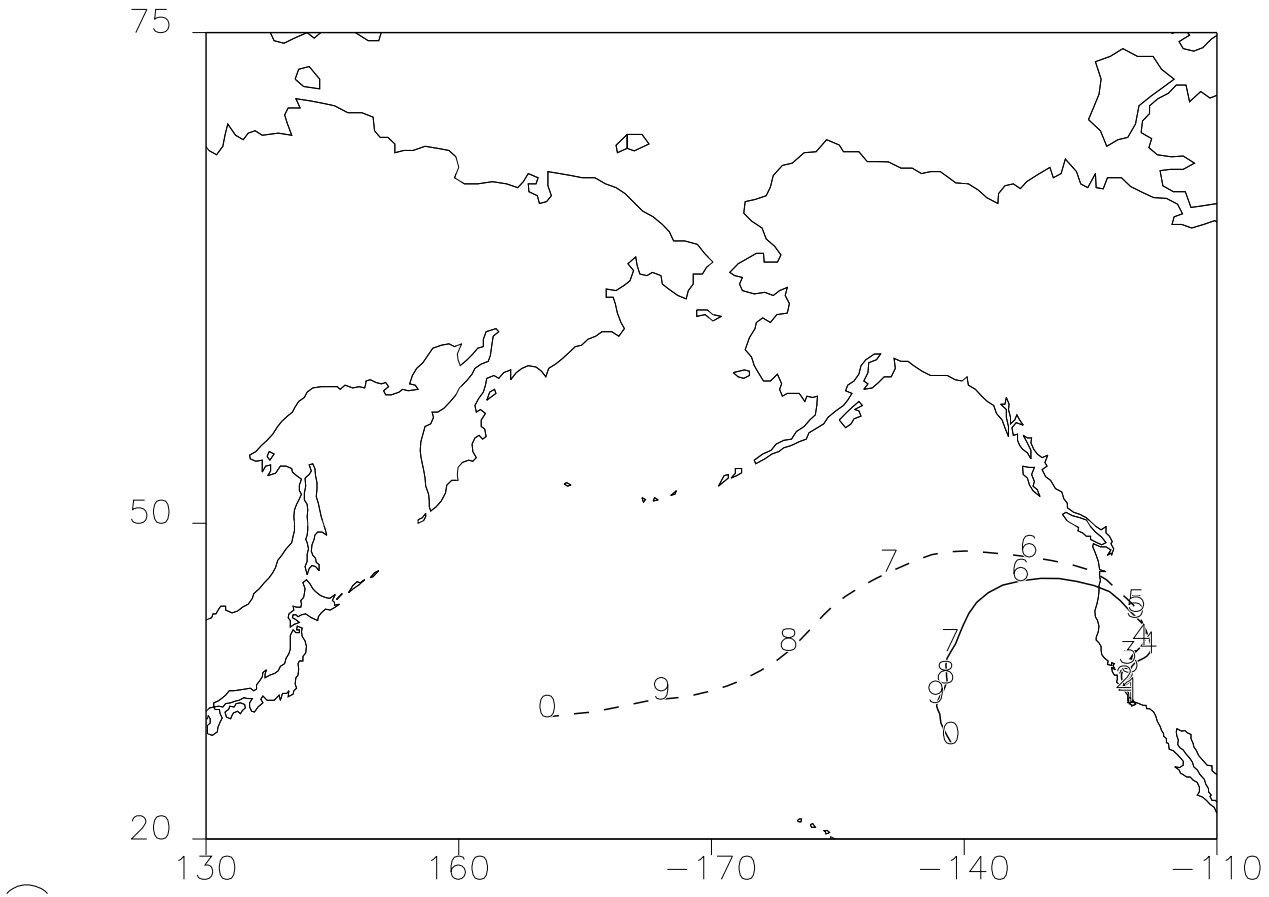
Day	km	hPa	C
0	0.3	980	16
1	0.2	983	19
2	0.7	940	15
3	1.5	856	10
4	2.2	785	3
5	2.7	732	−1
6	2.6	738	−1
7	2.1	795	5
8	1.6	842	11
9	1.8	826	11
10	1.6	841	9

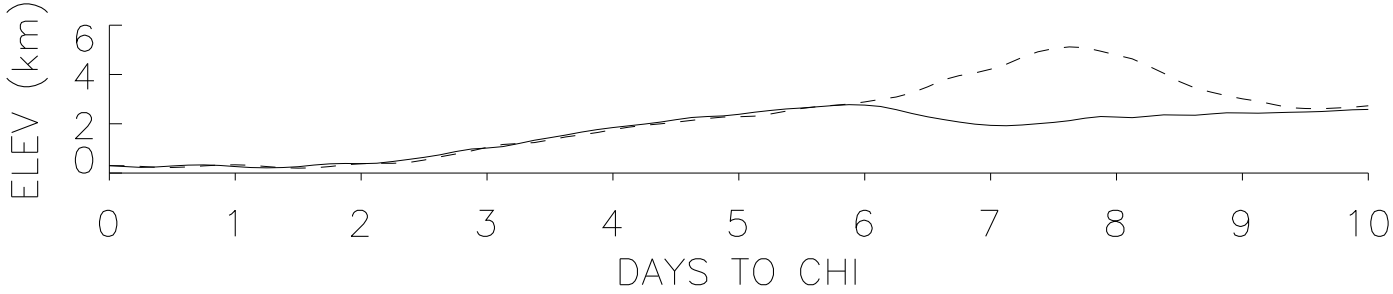
18UT

Day	km	hPa	C
0	0.3	982	19
1	0.2	989	20
2	0.5	963	20
3	1.1	894	18
4	1.9	813	8
5	2.4	763	3
6	2.6	744	1
7	2.7	740	4
8	3.0	714	3
9	2.6	751	5
10	2.7	735	6

12UT – solid
18UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/20/2004 (Day of Year 80)
NCEP/NCAR Reanalysis 1 Data Set





00UT

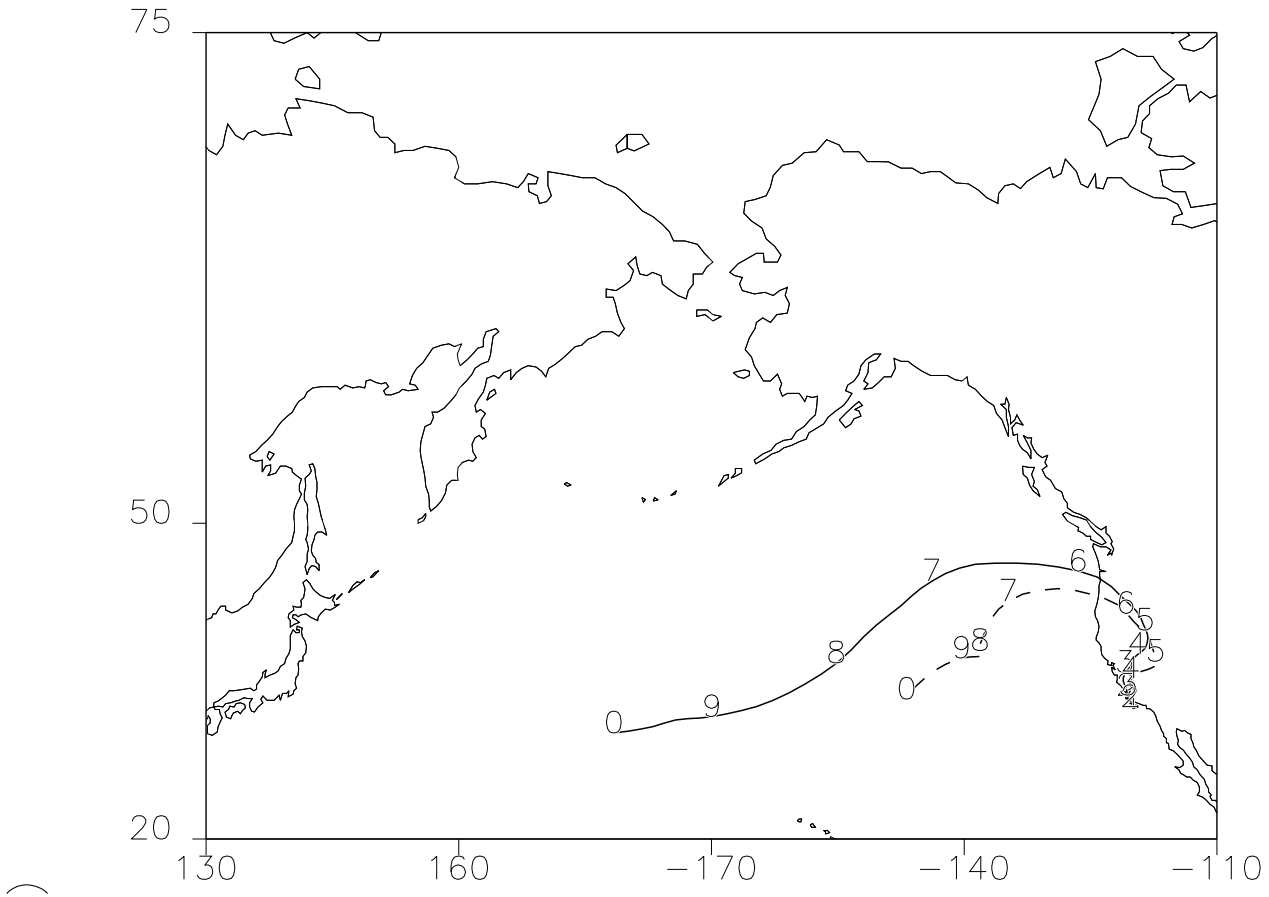
Day	km	hPa	C
0	0.3	981	20
1	0.3	982	22
2	0.4	968	25
3	1.0	903	23
4	1.8	822	13
5	2.4	769	4
6	2.8	727	−1
7	1.9	810	7
8	2.3	782	7
9	2.4	768	8
10	2.6	752	8

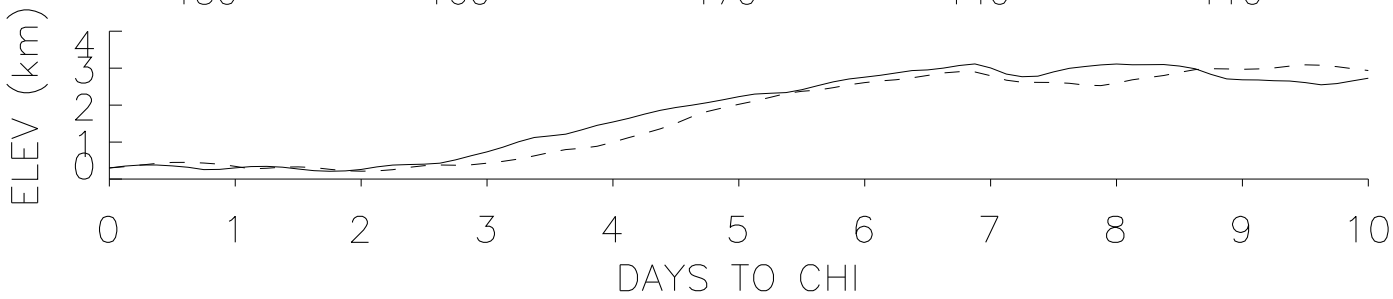
06UT

Day	km	hPa	C
0	0.3	983	16
1	0.3	977	17
2	0.4	969	20
3	1.0	900	15
4	1.8	831	9
5	2.3	778	2
6	2.9	715	−3
7	4.2	597	−15
8	4.8	553	−20
9	3.0	703	−6
10	2.7	730	−4

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/20/2004 (Day of Year 80)
NCEP/NCAR Reanalysis 1 Data Set





12UT

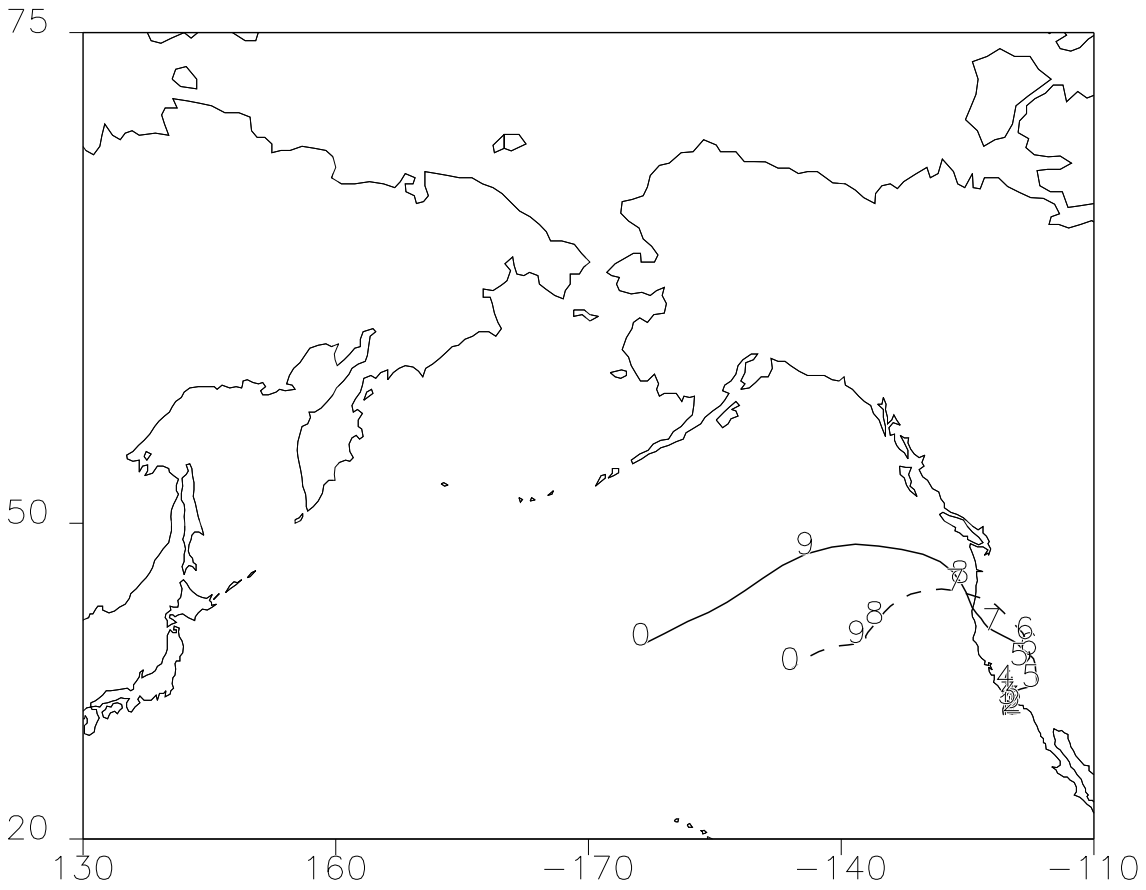
Day	km	hPa	C
0	0.3	983	12
1	0.3	980	16
2	0.3	981	19
3	0.7	932	14
4	1.5	850	10
5	2.2	783	3
6	2.8	730	−1
7	3.0	701	−5
8	3.1	695	−4
9	2.7	737	−1
10	2.7	734	−1

18UT

Day	km	hPa	C
0	0.3	985	17
1	0.3	977	19
2	0.2	989	20
3	0.4	965	21
4	1.0	907	19
5	2.0	804	8
6	2.6	747	2
7	2.8	726	0
8	2.6	750	5
9	3.0	718	4
10	2.9	723	3

12UT – solid
18UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/21/2004 (Day of Year 81)
NCEP/NCAR Reanalysis 1 Data Set

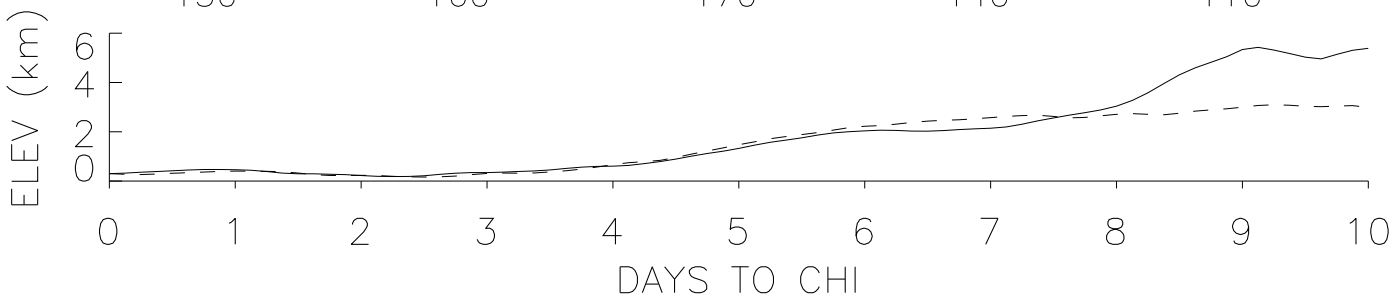


00UT

Day	km	hPa	C
0	0.3	983	20
1	0.5	963	19
2	0.2	987	22
3	0.3	971	25
4	0.6	945	25
5	1.3	872	19
6	2.0	802	13
7	2.1	790	10
8	3.0	704	0
9	5.3	519	−22
10	5.4	513	−25

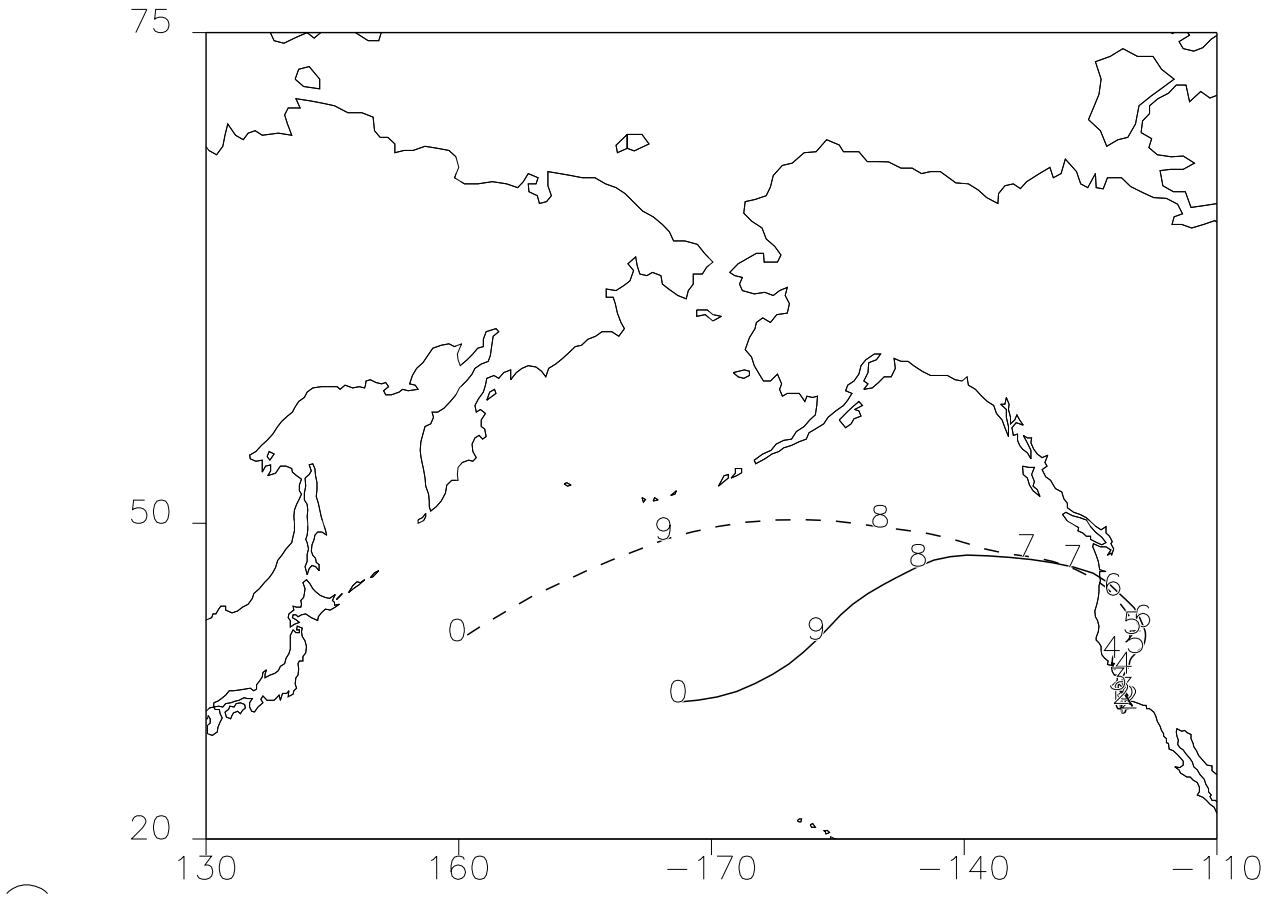
06UT

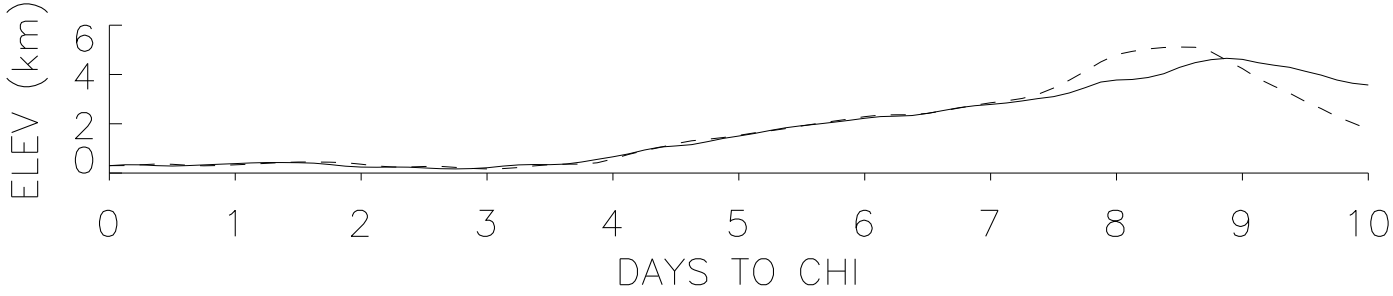
Day	km	hPa	C
0	0.3	985	16
1	0.4	971	15
2	0.2	988	16
3	0.3	976	20
4	0.7	940	18
5	1.5	859	13
6	2.2	784	5
7	2.6	748	1
8	2.7	737	2
9	3.0	715	3
10	3.0	717	3



00UT – solid
06UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/21/2004 (Day of Year 81)
NCEP/NCAR Reanalysis 1 Data Set





12UT

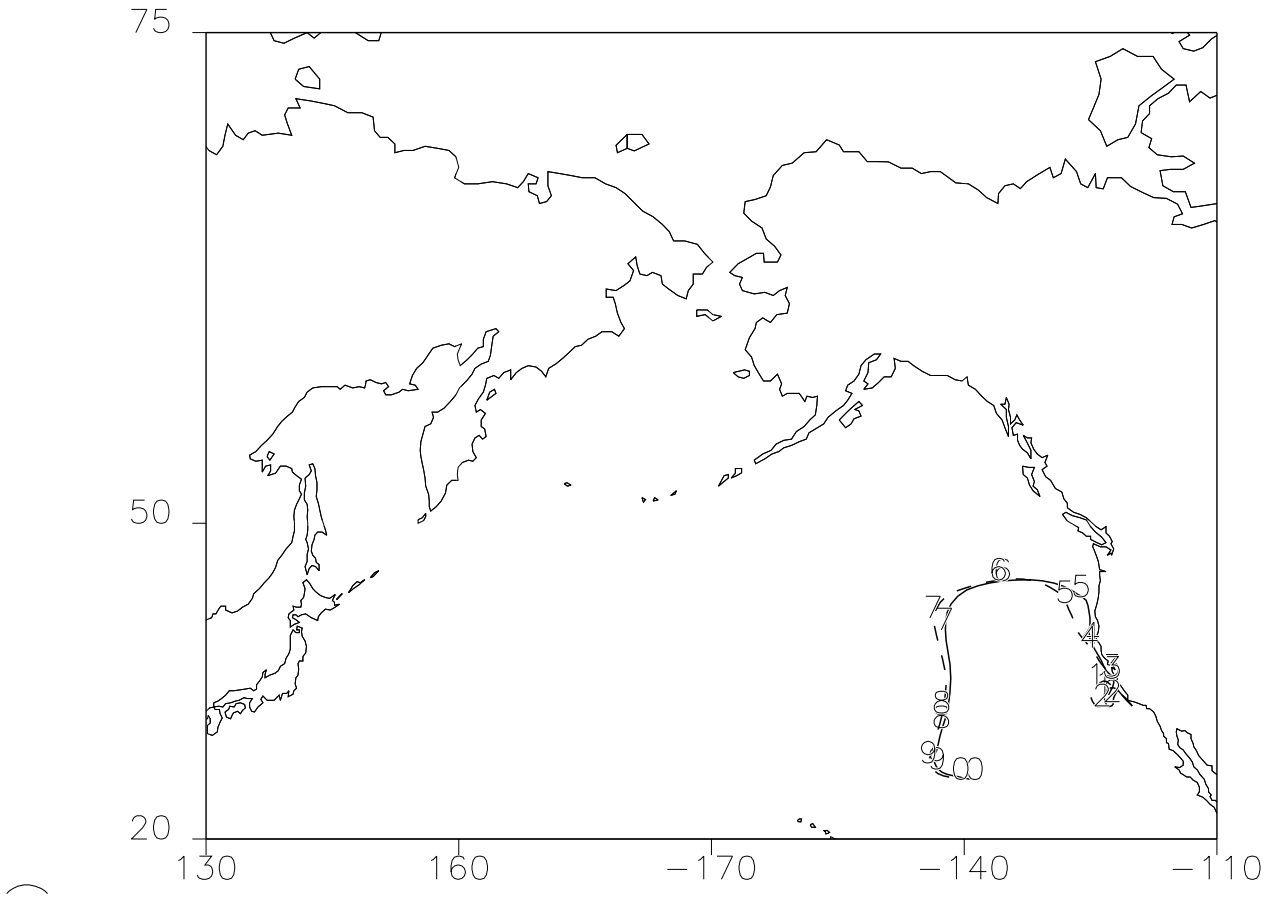
Day	km	hPa	C
0	0.3	984	13
1	0.4	973	11
2	0.2	986	15
3	0.2	986	19
4	0.7	940	15
5	1.5	855	10
6	2.2	784	3
7	2.8	727	−2
8	3.8	633	−11
9	4.6	566	−19
10	3.6	656	−10

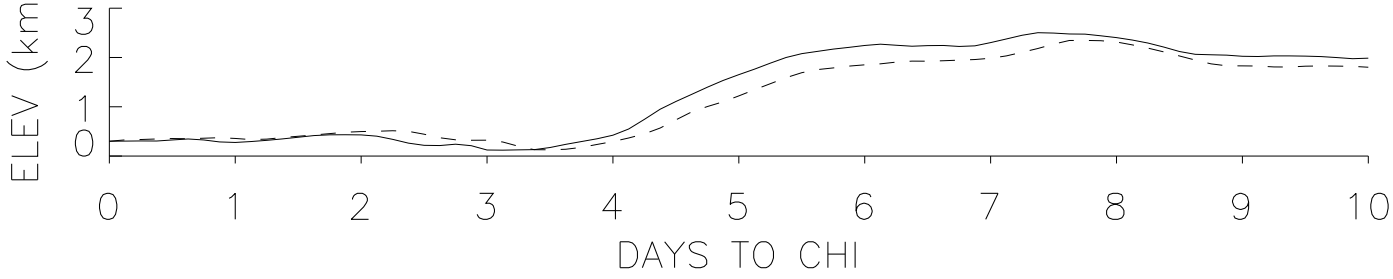
18UT

Day	km	hPa	C
0	0.3	984	18
1	0.3	980	15
2	0.4	975	17
3	0.2	995	18
4	0.6	951	16
5	1.5	853	10
6	2.3	779	3
7	2.9	723	−1
8	4.8	549	−23
9	4.2	592	−18
10	1.8	819	2

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/22/2004 (Day of Year 82)
NCEP/NCAR Reanalysis 1 Data Set





00UT

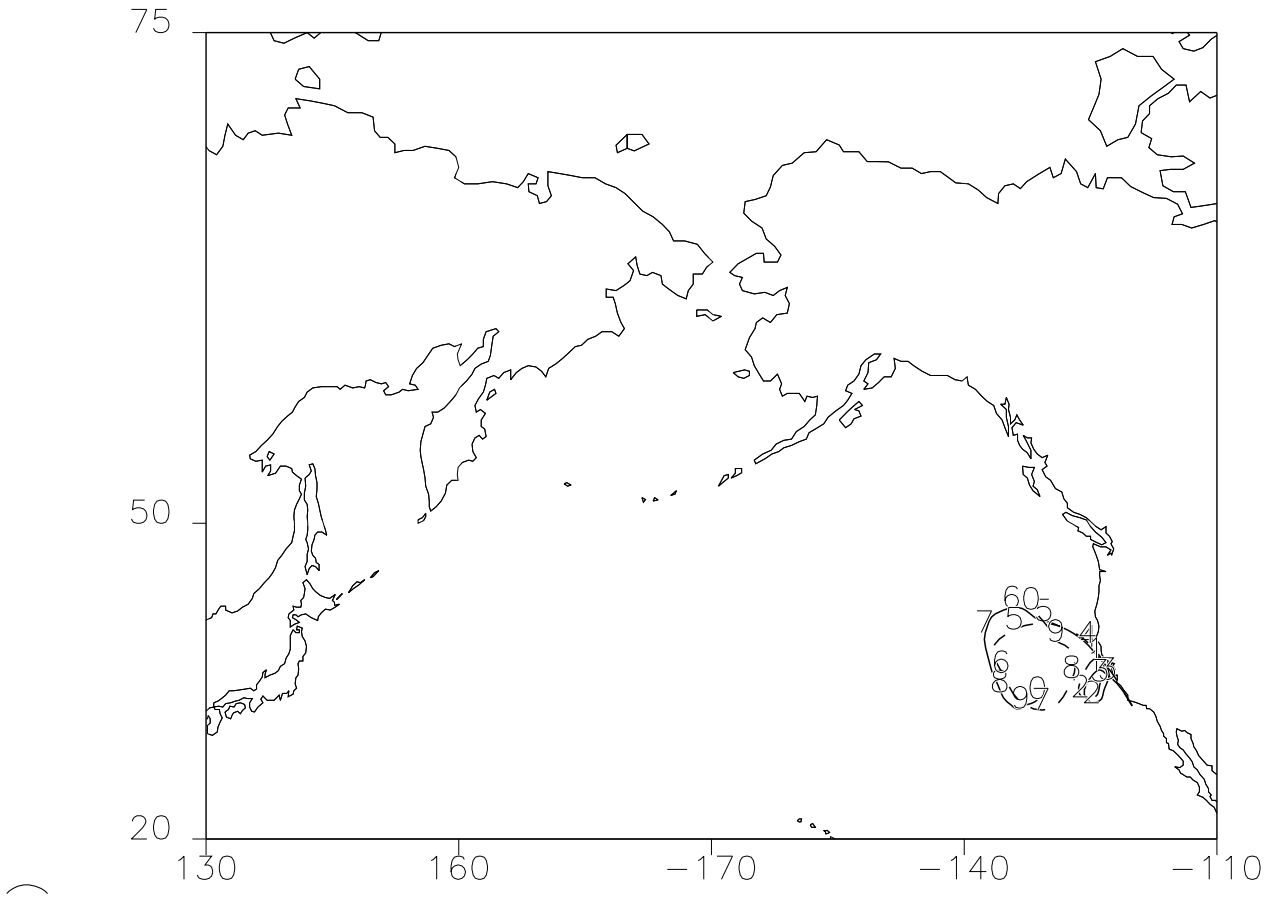
Day	km	hPa	C
0	0.3	980	21
1	0.3	986	16
2	0.4	967	17
3	0.1	999	21
4	0.4	967	16
5	1.7	841	7
6	2.2	785	5
7	2.3	776	5
8	2.4	764	7
9	2.0	802	12
10	2.0	807	14

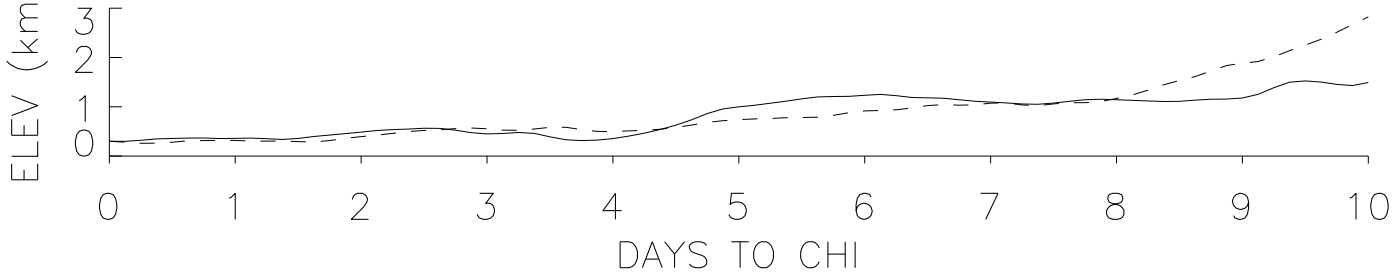
06UT

Day	km	hPa	C
0	0.3	979	17
1	0.4	978	14
2	0.5	960	15
3	0.3	979	15
4	0.3	981	13
5	1.2	885	8
6	1.9	823	5
7	2.0	809	7
8	2.3	771	6
9	1.8	821	9
10	1.8	826	14

00UT – solid
06UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/22/2004 (Day of Year 82)
NCEP/NCAR Reanalysis 1 Data Set





12UT

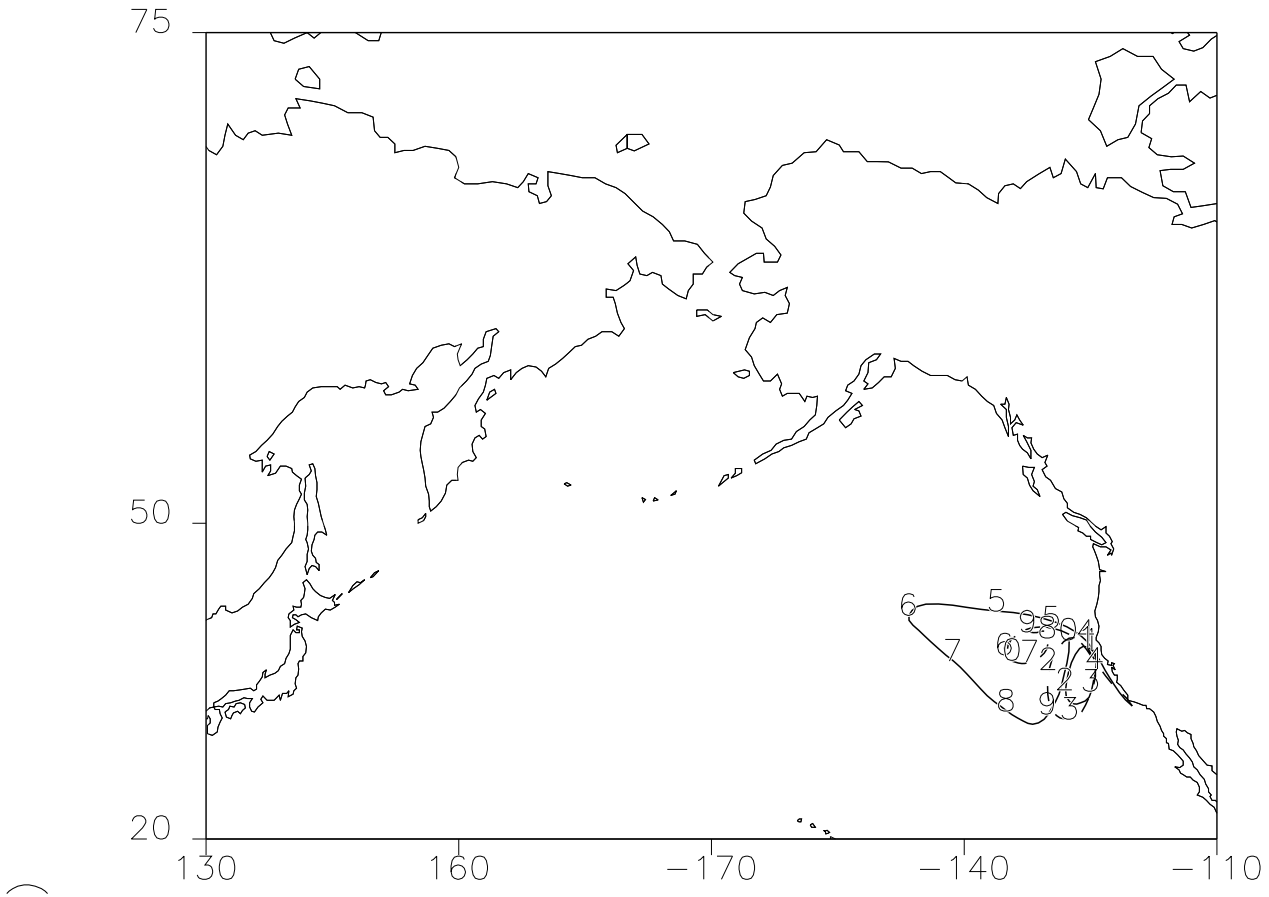
Day	km	hPa	C
0	0.3	978	15
1	0.4	977	14
2	0.5	960	13
3	0.4	964	15
4	0.4	972	13
5	1.0	909	7
6	1.2	888	7
7	1.1	903	11
8	1.1	894	11
9	1.2	888	9
10	1.5	857	10

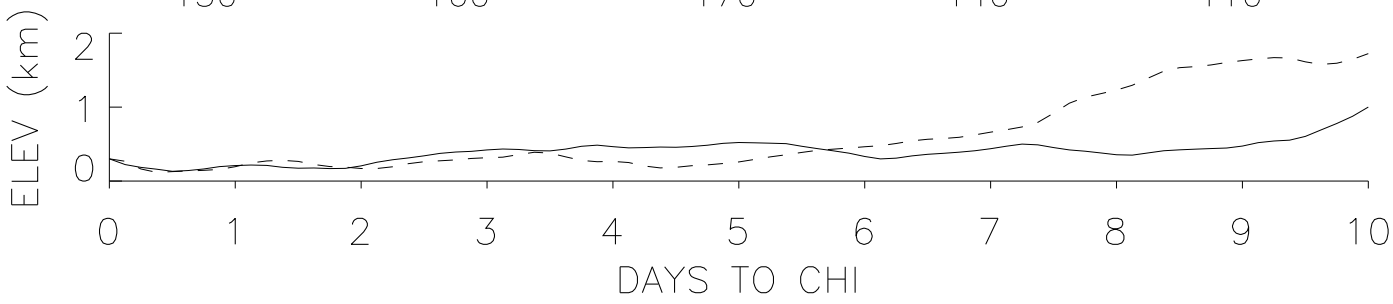
18UT

Day	km	hPa	C
0	0.3	978	19
1	0.3	984	14
2	0.4	971	13
3	0.6	954	14
4	0.5	957	10
5	0.7	936	7
6	0.9	923	13
7	1.1	907	16
8	1.2	894	16
9	1.9	816	9
10	2.8	728	3

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/23/2004 (Day of Year 83)
NCEP/NCAR Reanalysis 1 Data Set





00UT

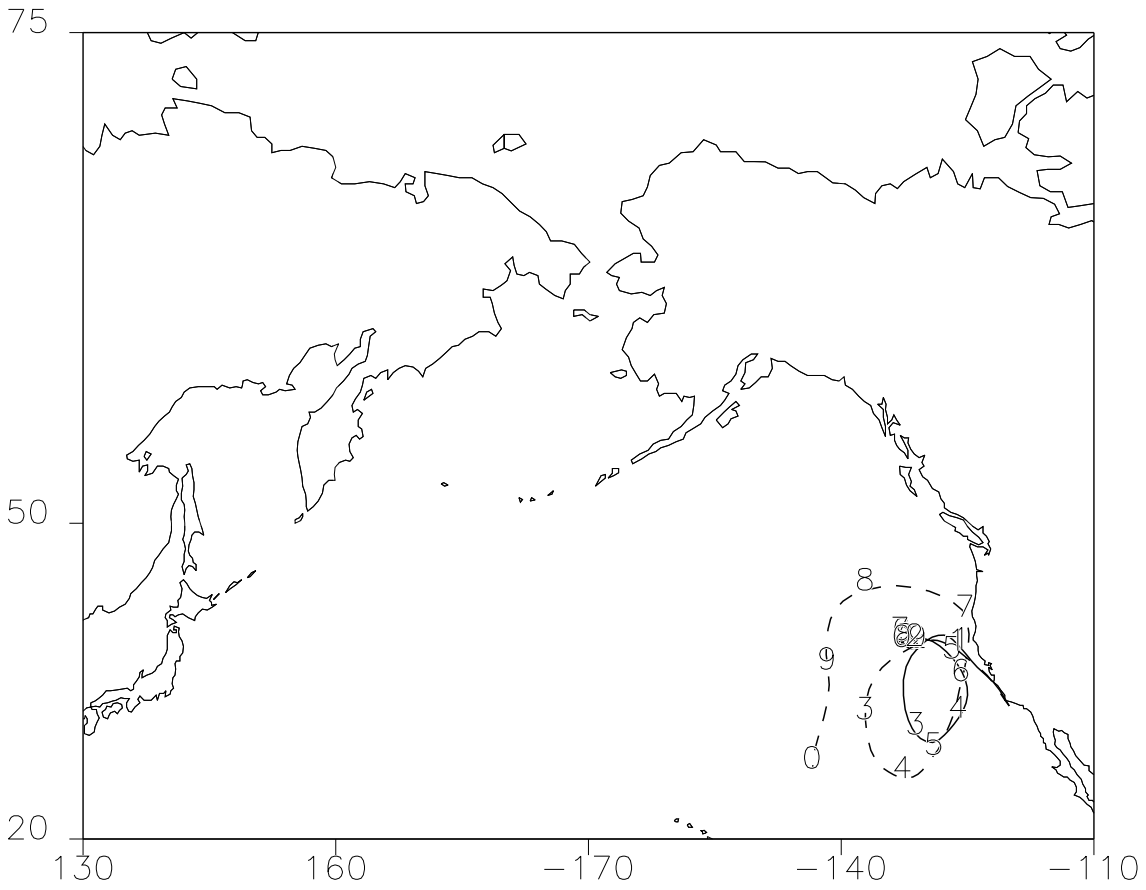
Day	km	hPa	C
0	0.3	976	19
1	0.2	995	16
2	0.2	993	13
3	0.4	969	14
4	0.5	961	14
5	0.5	957	10
6	0.3	985	11
7	0.4	976	14
8	0.4	983	14
9	0.5	966	13
10	1.0	906	10

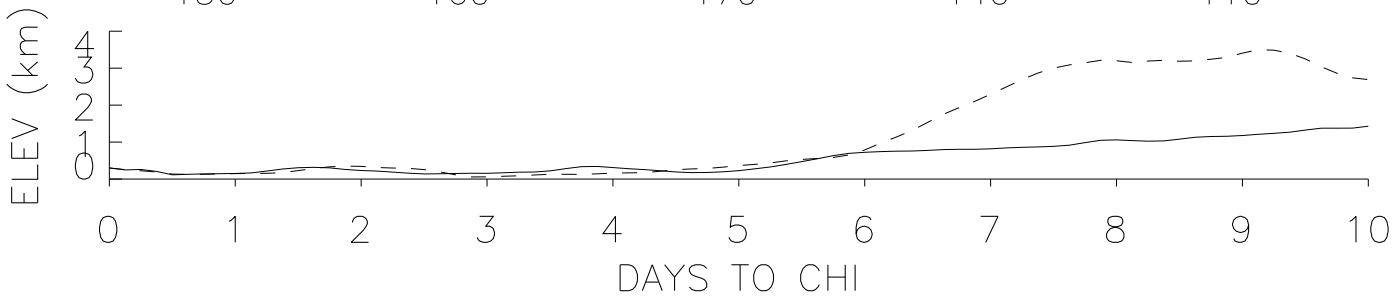
06UT

Day	km	hPa	C
0	0.3	976	16
1	0.2	997	13
2	0.2	994	14
3	0.3	981	14
4	0.3	987	13
5	0.3	986	10
6	0.5	973	11
7	0.7	953	14
8	1.2	890	12
9	1.6	843	8
10	1.7	832	6

00UT – solid
06UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/23/2004 (Day of Year 83)
NCEP/NCAR Reanalysis 1 Data Set





12UT

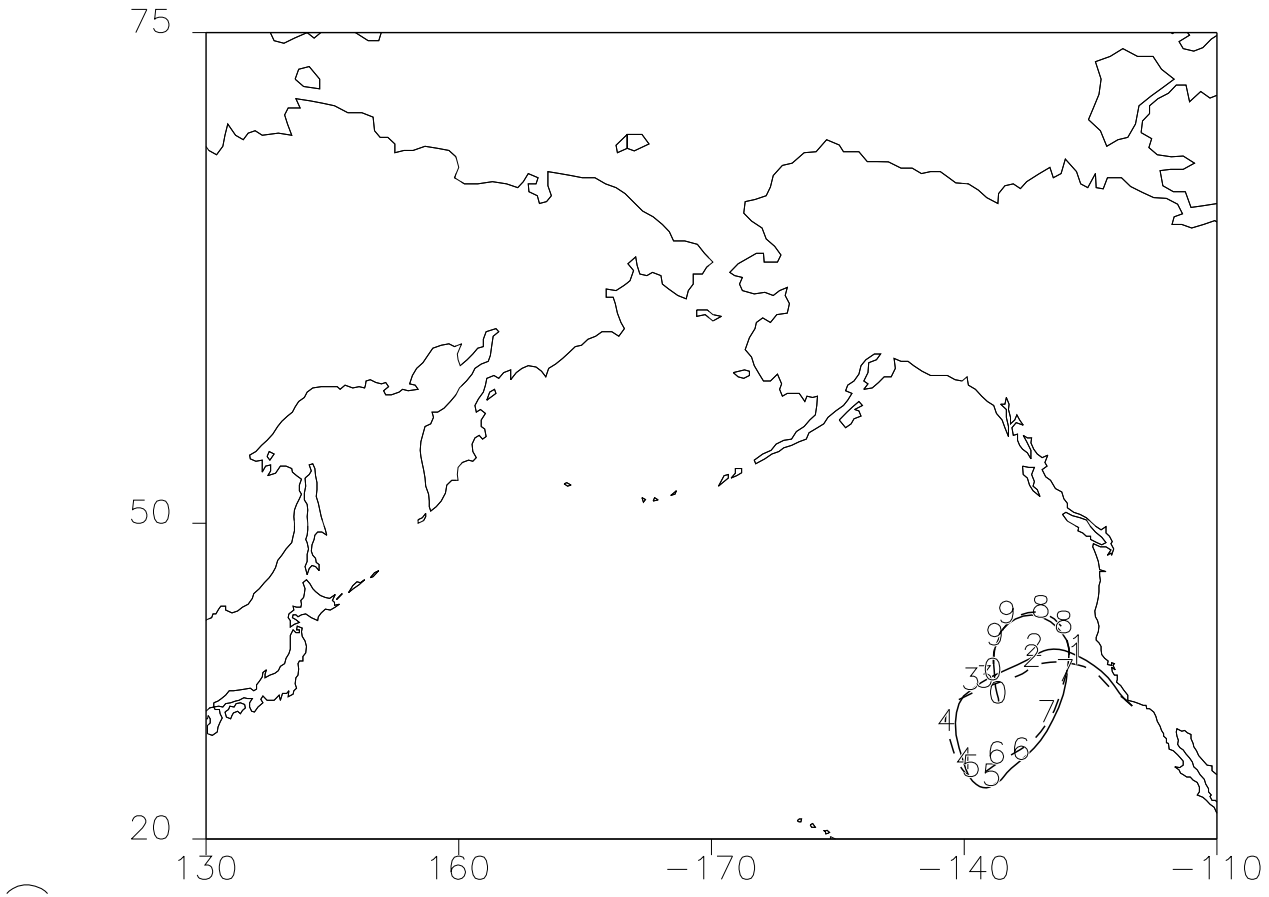
Day	km	hPa	C
0	0.3	976	15
1	0.2	1000	11
2	0.2	987	13
3	0.2	997	13
4	0.3	979	15
5	0.2	988	13
6	0.7	940	8
7	0.8	934	11
8	1.1	909	11
9	1.2	892	12
10	1.4	862	7

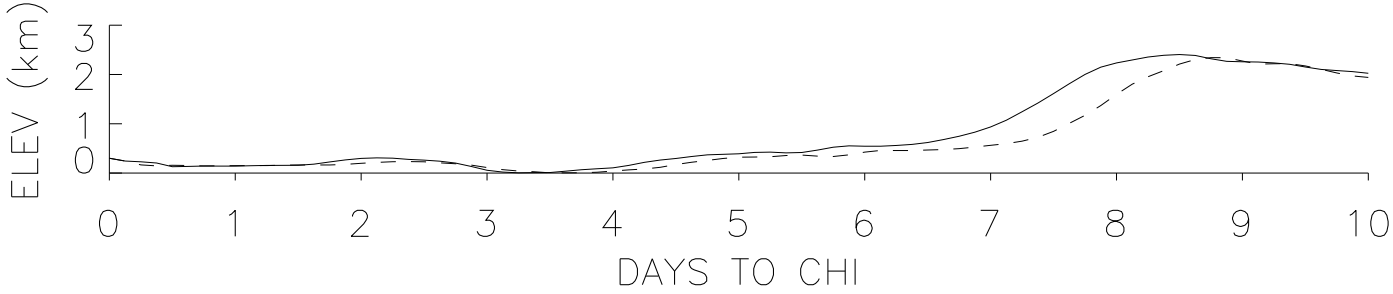
18UT

Day	km	hPa	C
0	0.3	979	15
1	0.1	1000	12
2	0.3	980	12
3	0.1	1000	18
4	0.2	998	16
5	0.4	974	16
6	0.8	928	17
7	2.3	779	7
8	3.2	698	1
9	3.4	678	1
10	2.7	740	9

12UT – solid
18UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/24/2004 (Day of Year 84)
NCEP/NCAR Reanalysis 1 Data Set





00UT

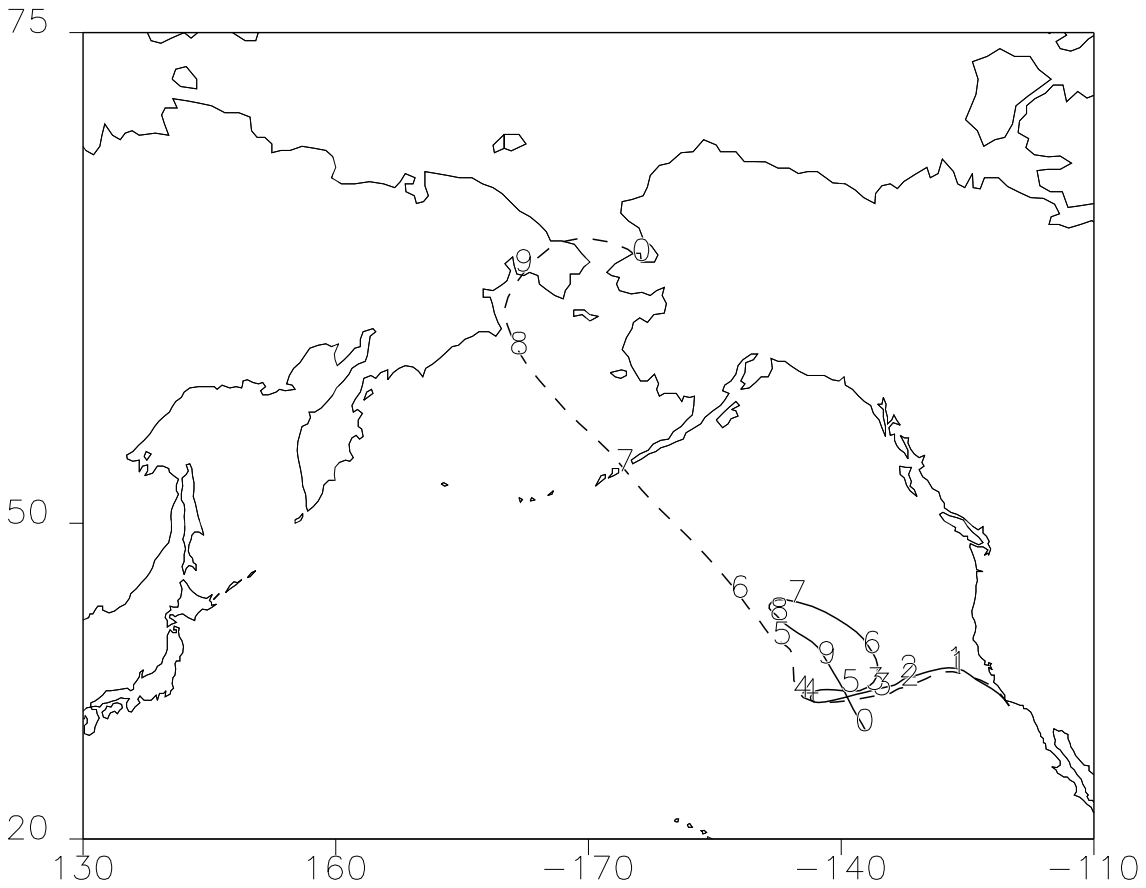
Day	km	hPa	C
0	0.3	979	16
1	0.1	1000	11
2	0.3	986	14
3	0.1	997	15
4	0.1	999	20
5	0.4	969	16
6	0.5	955	17
7	0.9	917	18
8	2.2	789	8
9	2.3	784	7
10	2.0	802	10

06UT

Day	km	hPa	C
0	0.3	982	13
1	0.2	1000	10
2	0.2	998	14
3	0.1	998	14
4	0.0	1000	19
5	0.3	979	17
6	0.4	970	17
7	0.6	957	17
8	1.6	851	13
9	2.3	783	6
10	1.9	811	10

00UT – solid
06UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/24/2004 (Day of Year 84)
NCEP/NCAR Reanalysis 1 Data Set

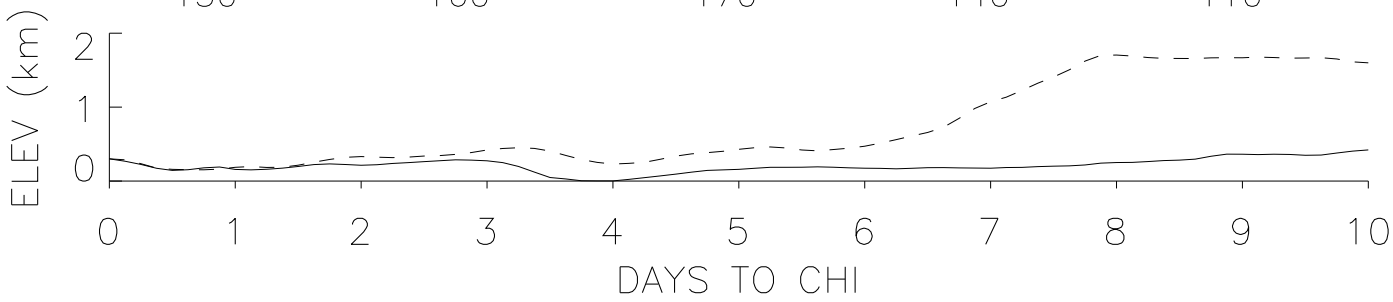


12UT

Day	km	hPa	C
0	0.3	981	13
1	0.2	999	10
2	0.2	995	13
3	0.3	984	14
4	0.0	1000	16
5	0.2	1000	13
6	0.2	1000	12
7	0.2	1000	9
8	0.3	996	12
9	0.4	982	15
10	0.4	972	15

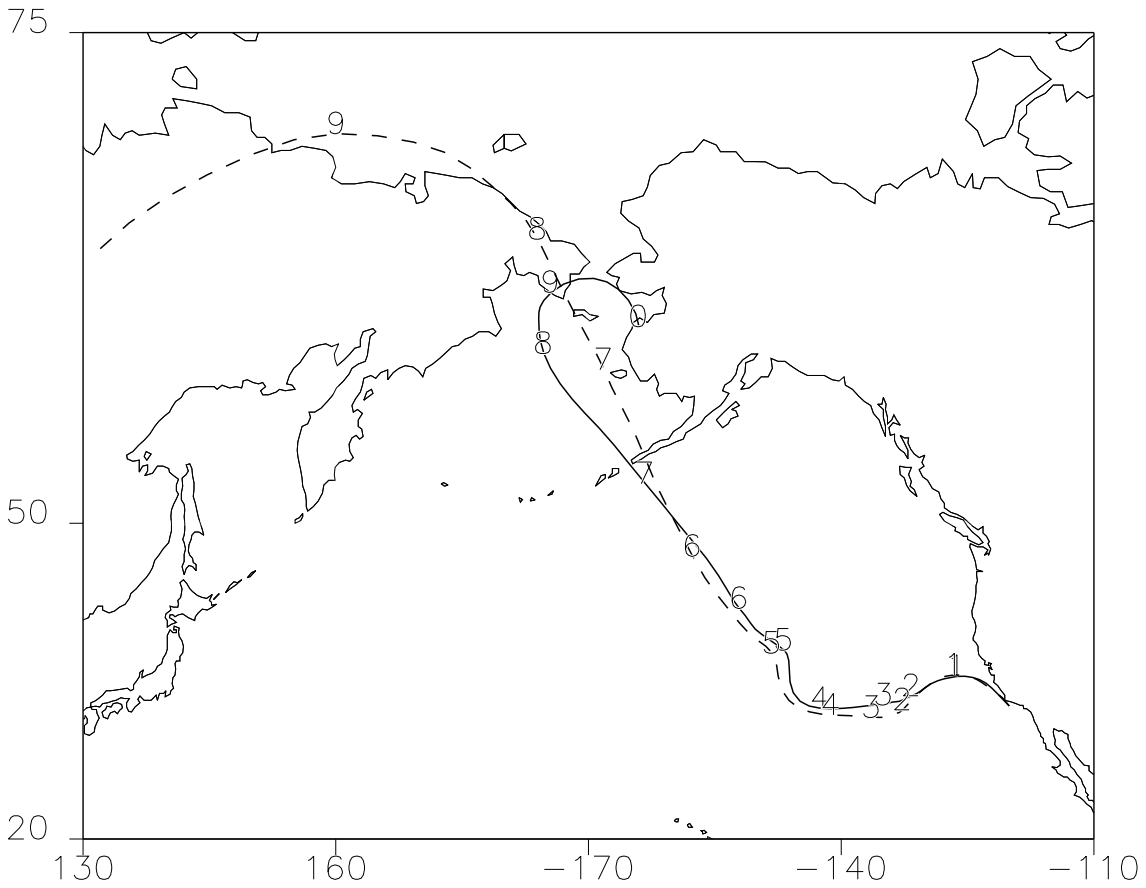
18UT

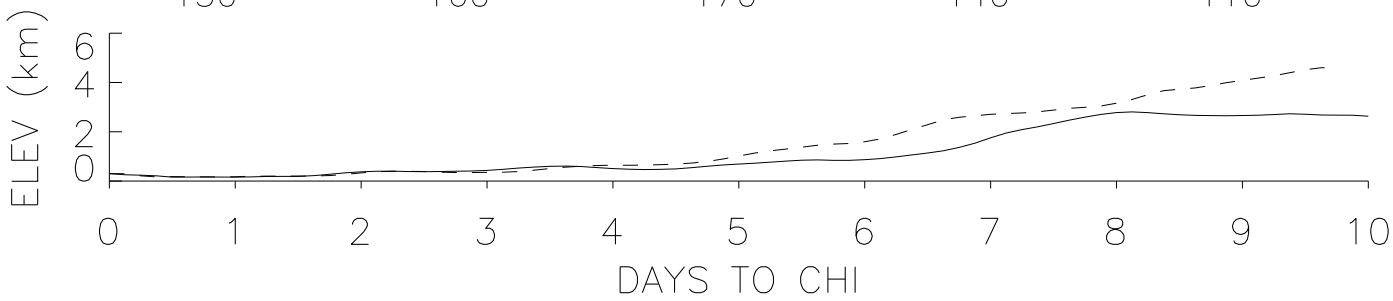
Day	km	hPa	C
0	0.3	983	15
1	0.2	997	11
2	0.3	982	12
3	0.4	972	13
4	0.2	975	12
5	0.4	969	4
6	0.5	975	1
7	1.1	900	−9
8	1.7	813	−15
9	1.7	808	−15
10	1.6	814	−13



12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/25/2004 (Day of Year 85)
NCEP/NCAR Reanalysis 1 Data Set





00UT

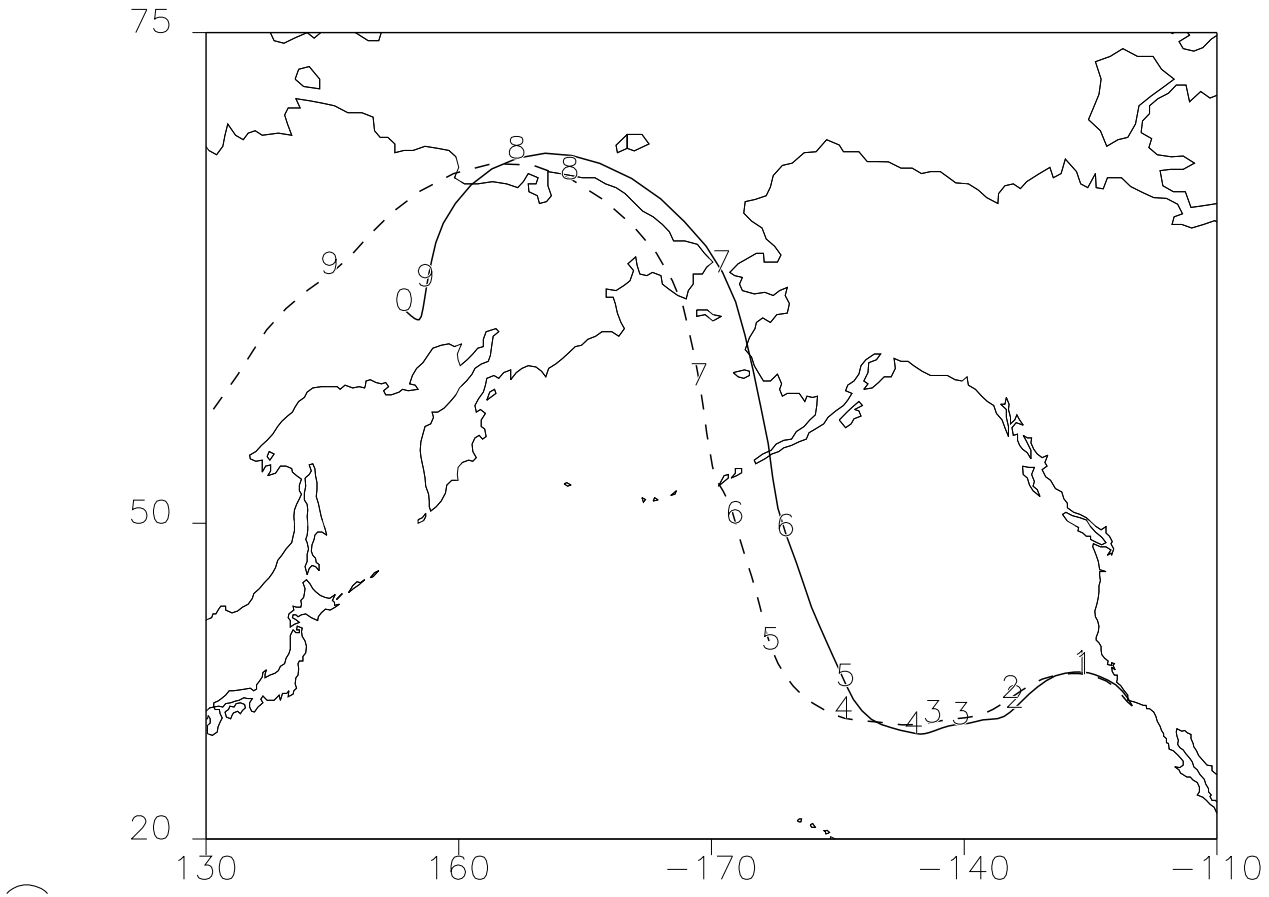
Day	km	hPa	C
0	0.3	981	16
1	0.2	1000	12
2	0.4	976	12
3	0.4	972	14
4	0.5	948	11
5	0.7	934	2
6	0.9	927	−2
7	1.8	826	−13
8	2.8	706	−22
9	2.7	709	−21
10	2.6	708	−19

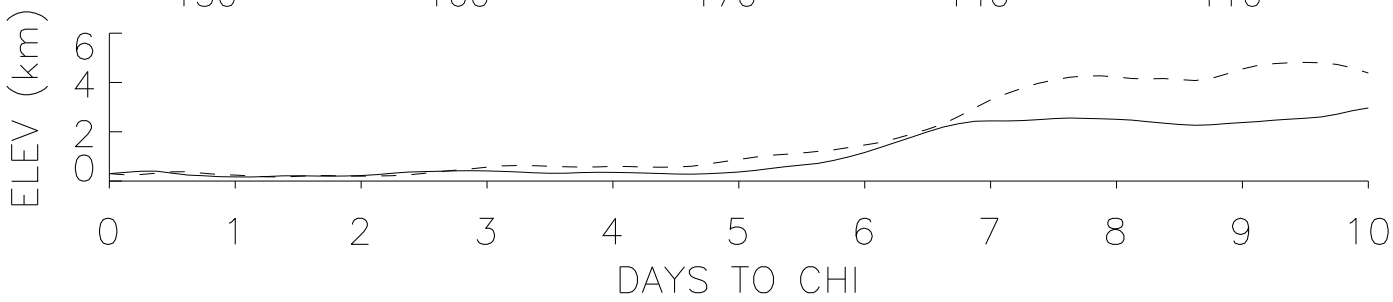
06UT

Day	km	hPa	C
0	0.3	983	13
1	0.2	999	12
2	0.3	981	14
3	0.4	983	14
4	0.6	939	10
5	1.0	894	0
6	1.6	844	−8
7	2.7	727	−21
8	3.2	674	−26
9	4.1	582	−34

00UT – solid
06UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/25/2004 (Day of Year 85)
NCEP/NCAR Reanalysis 1 Data Set





12UT

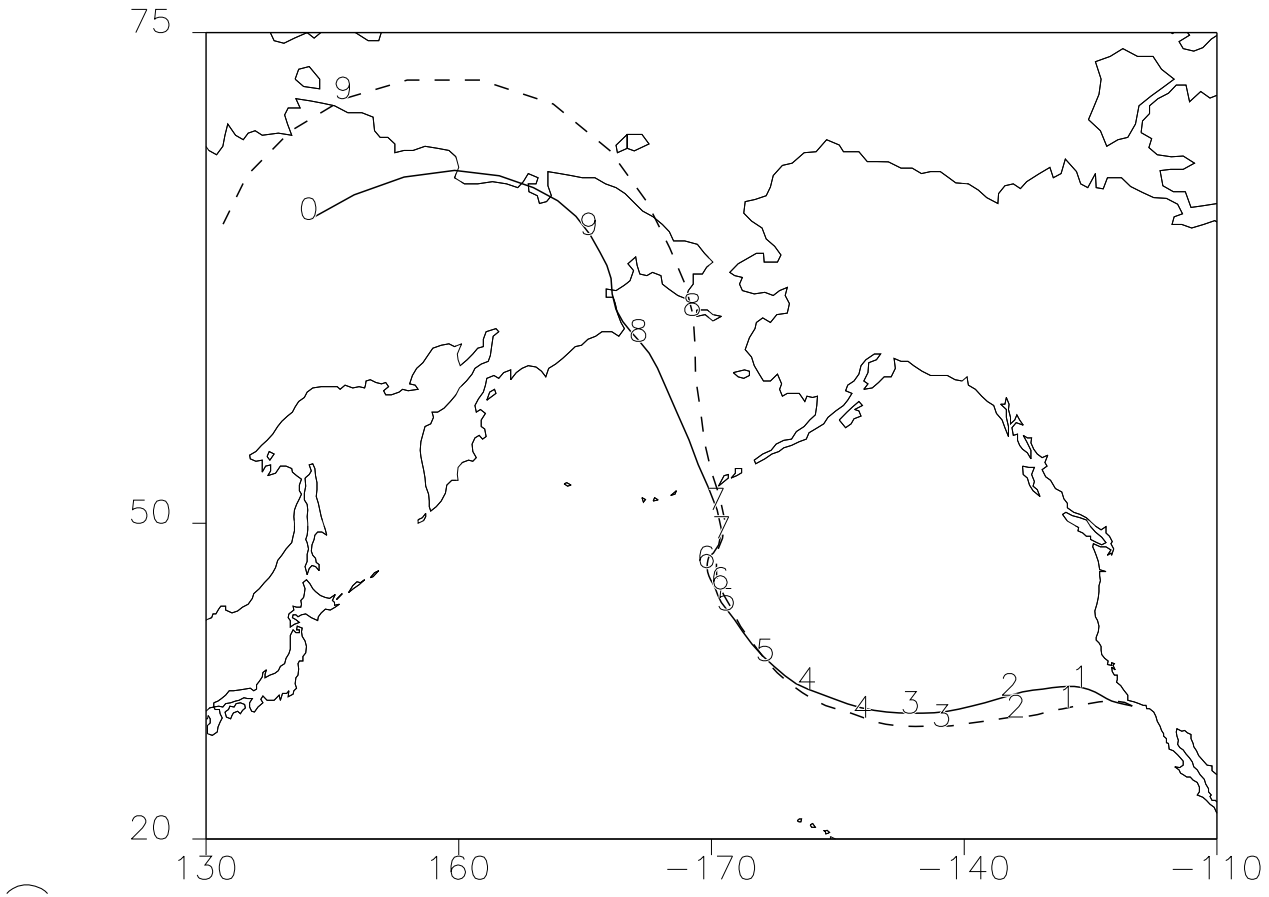
Day	km	hPa	C
0	0.3	982	12
1	0.2	1000	13
2	0.2	992	14
3	0.4	974	13
4	0.4	978	12
5	0.4	972	7
6	1.2	896	−5
7	2.4	751	−20
8	2.5	737	−20
9	2.4	746	−18
10	3.0	684	−21

18UT

Day	km	hPa	C
0	0.3	984	15
1	0.2	993	12
2	0.2	995	16
3	0.6	956	11
4	0.6	952	7
5	0.9	921	0
6	1.5	867	−1
7	3.3	680	−18
8	4.2	584	−30
9	4.5	550	−32
10	4.4	559	−32

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/26/2004 (Day of Year 86)
NCEP/NCAR Reanalysis 1 Data Set

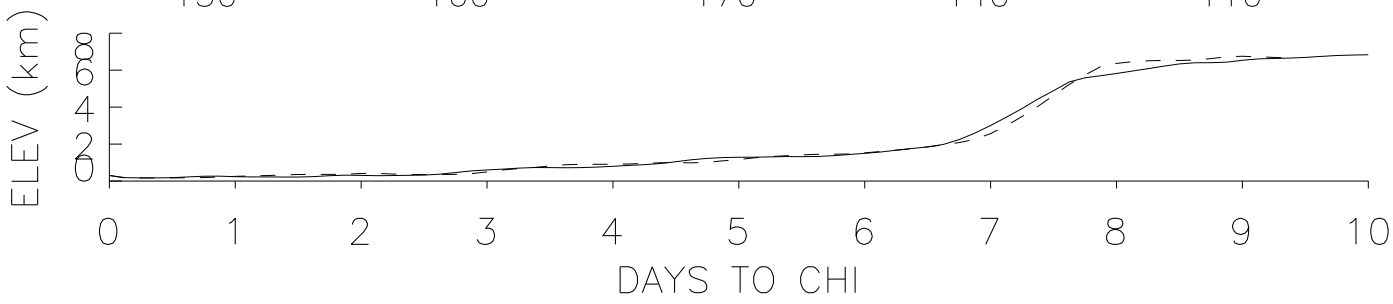


00UT

Day	km	hPa	C
0	0.3	983	15
1	0.2	993	11
2	0.3	982	14
3	0.6	950	10
4	0.8	928	4
5	1.3	876	−1
6	1.5	865	0
7	3.0	713	−13
8	5.8	469	−42
9	6.5	413	−51
10	6.8	385	−54

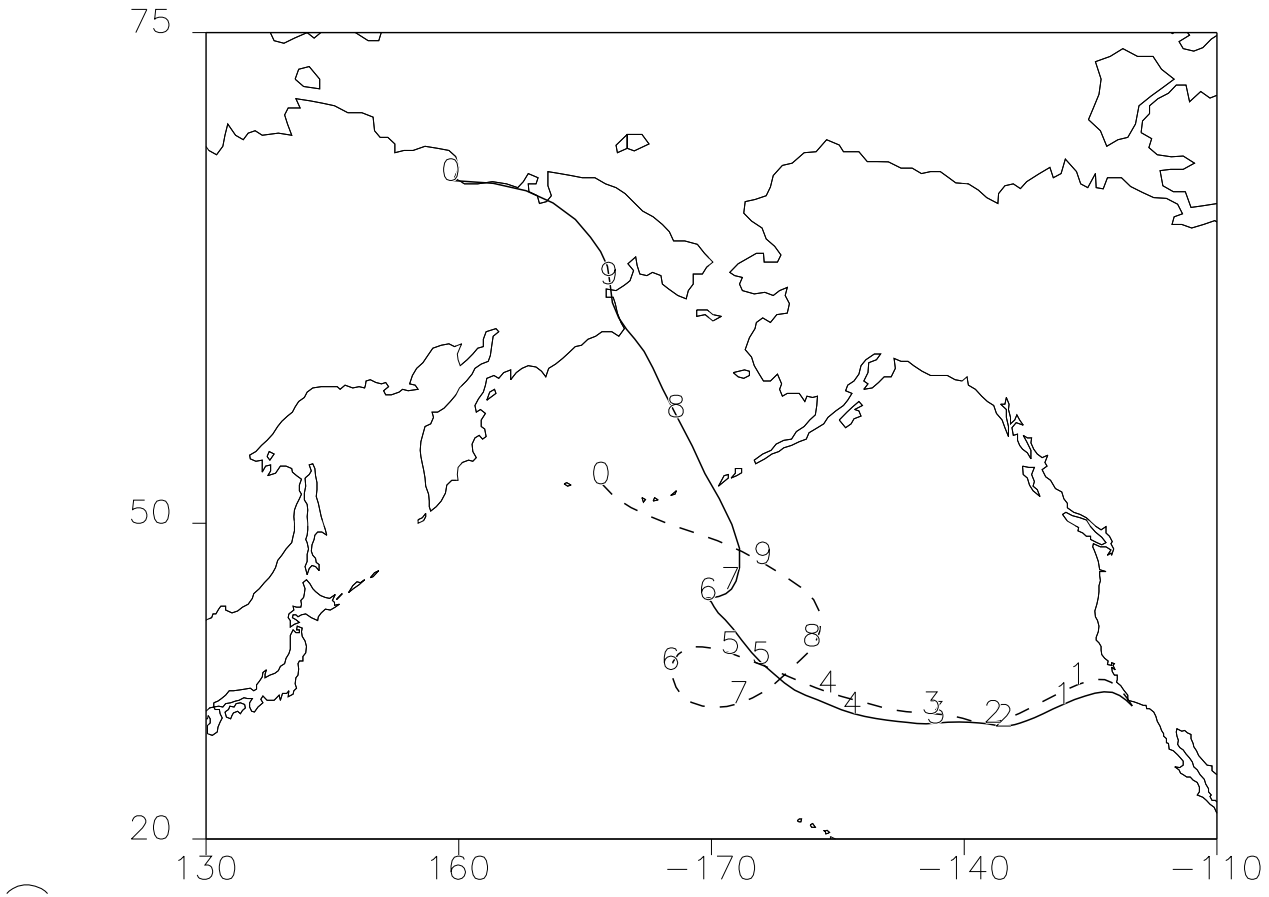
06UT

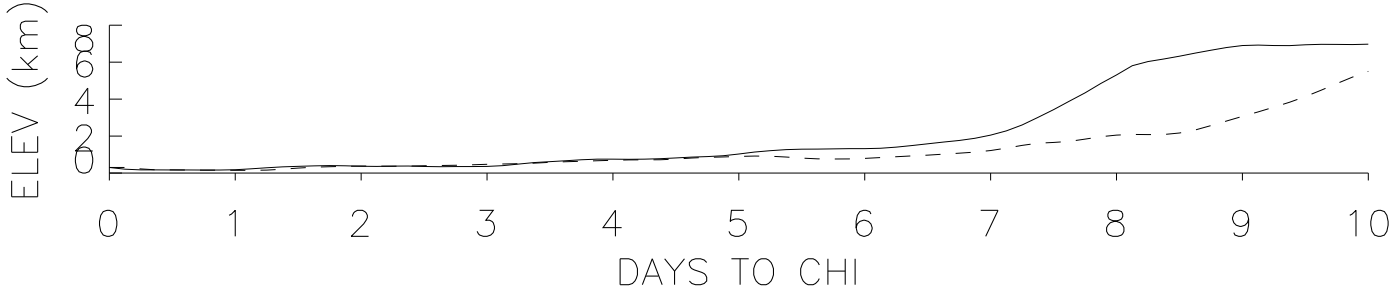
Day	km	hPa	C
0	0.3	984	13
1	0.3	992	13
2	0.4	974	14
3	0.5	962	13
4	0.9	917	7
5	1.2	885	1
6	1.5	859	2
7	2.6	757	−7
8	6.4	432	−47
9	6.8	393	−50



00UT – solid
06UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/26/2004 (Day of Year 86)
NCEP/NCAR Reanalysis 1 Data Set





12UT

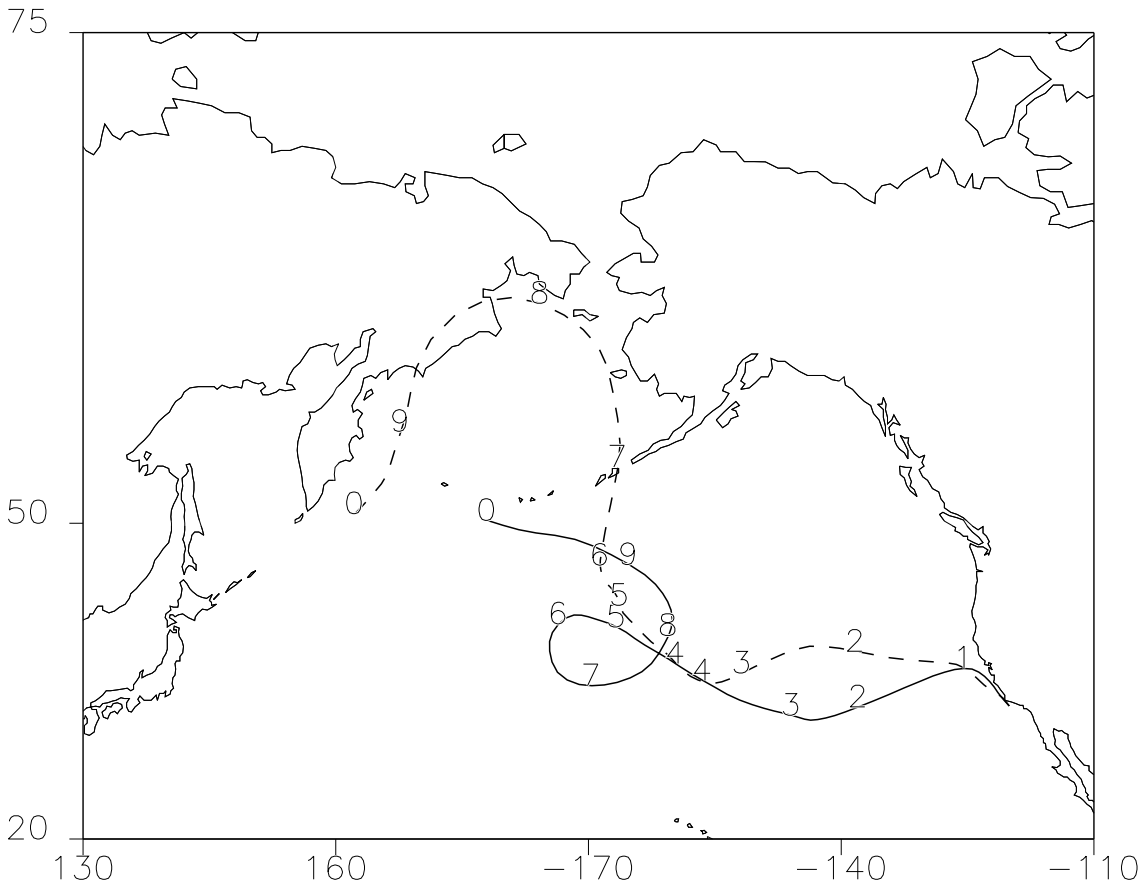
Day	km	hPa	C
0	0.3	983	11
1	0.2	998	15
2	0.4	979	13
3	0.4	977	14
4	0.8	935	6
5	1.0	901	2
6	1.3	879	1
7	2.1	808	−1
8	5.3	513	−33
9	6.9	394	−52
10	7.0	382	−55

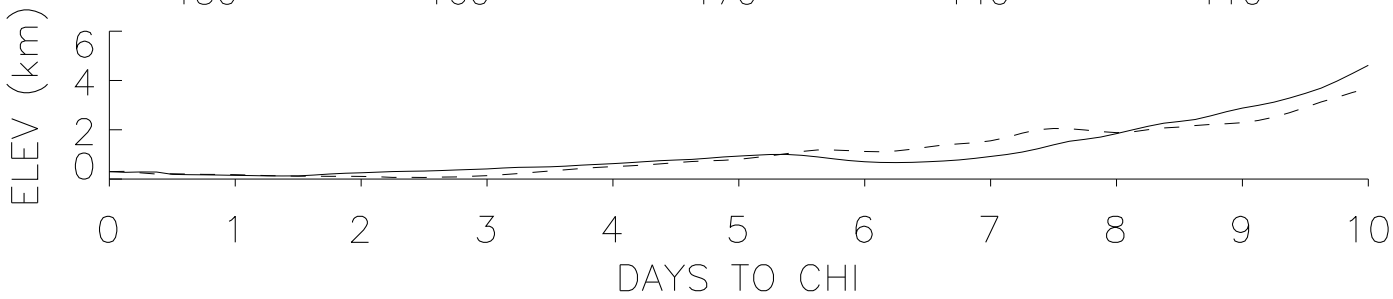
18UT

Day	km	hPa	C
0	0.3	986	12
1	0.1	1000	13
2	0.4	980	13
3	0.5	965	11
4	0.7	941	7
5	0.9	918	4
6	0.8	935	6
7	1.2	887	4
8	2.1	805	2
9	3.1	705	−10
10	5.5	490	−36

12UT – solid
18UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/27/2004 (Day of Year 87)
NCEP/NCAR Reanalysis 1 Data Set





00UT

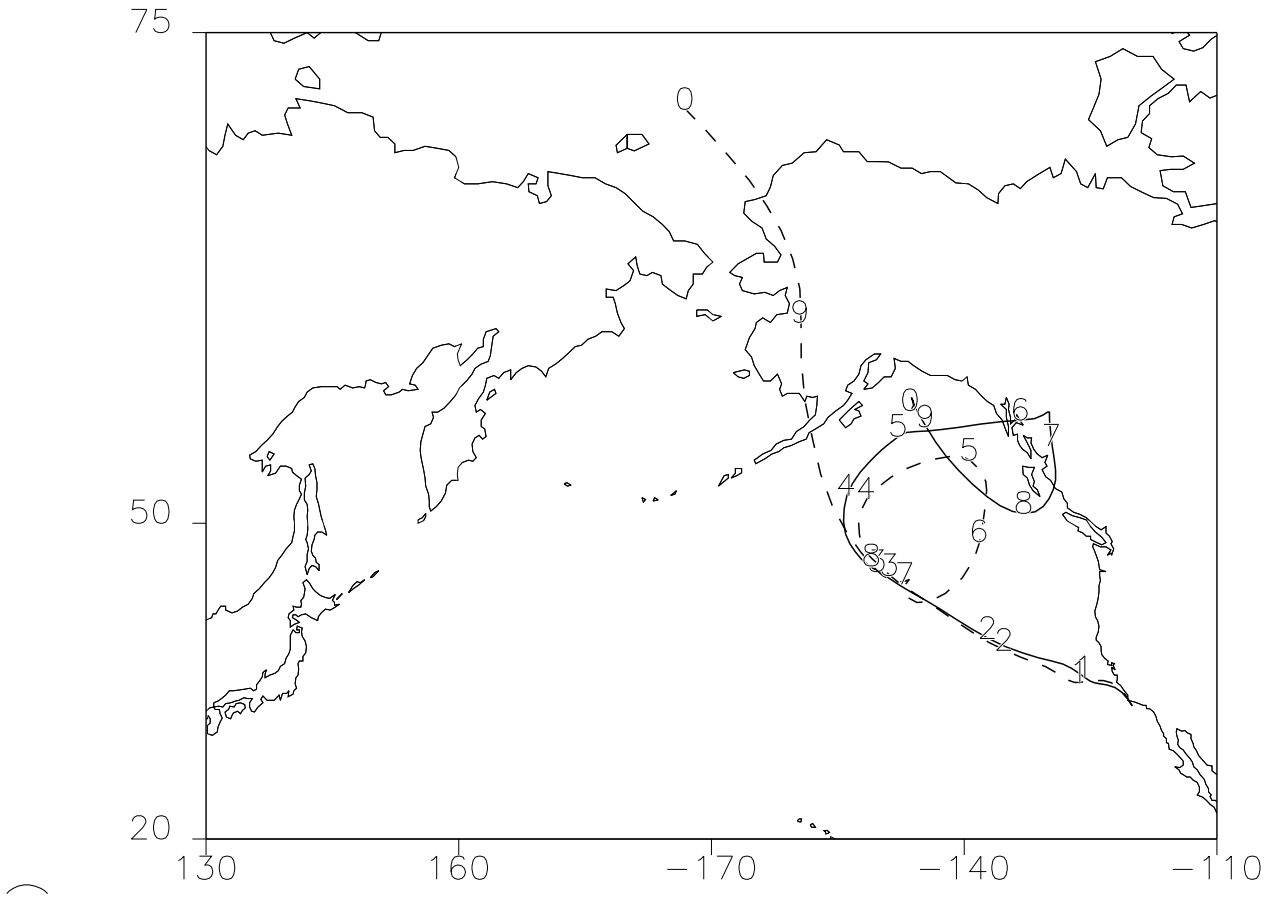
Day	km	hPa	C
0	0.3	985	13
1	0.1	1000	11
2	0.3	990	13
3	0.4	972	12
4	0.6	946	6
5	0.9	912	3
6	0.7	944	6
7	0.9	923	3
8	1.8	825	2
9	2.9	725	−7
10	4.6	563	−25

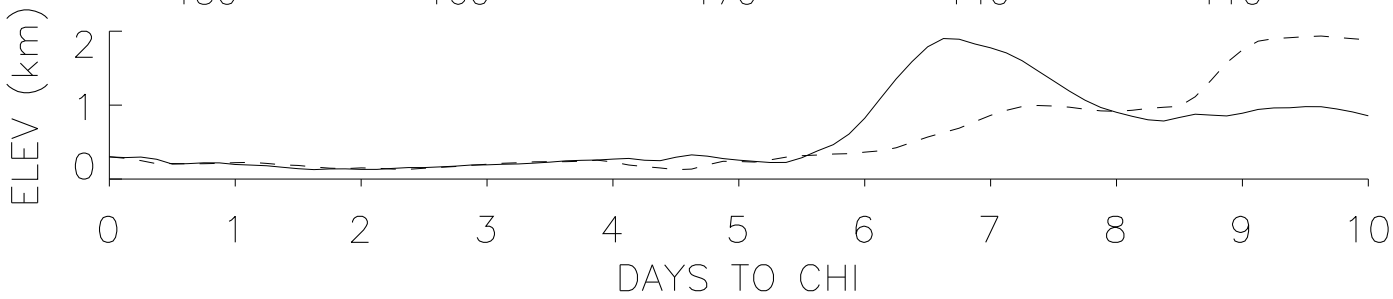
06UT

Day	km	hPa	C
0	0.3	987	12
1	0.2	1000	10
2	0.1	998	11
3	0.1	999	11
4	0.5	962	5
5	0.8	925	0
6	1.1	892	−3
7	1.6	853	−3
8	1.9	817	−7
9	2.3	774	−9
10	3.7	640	−20

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/27/2004 (Day of Year 87)
NCEP/NCAR Reanalysis 1 Data Set





12UT

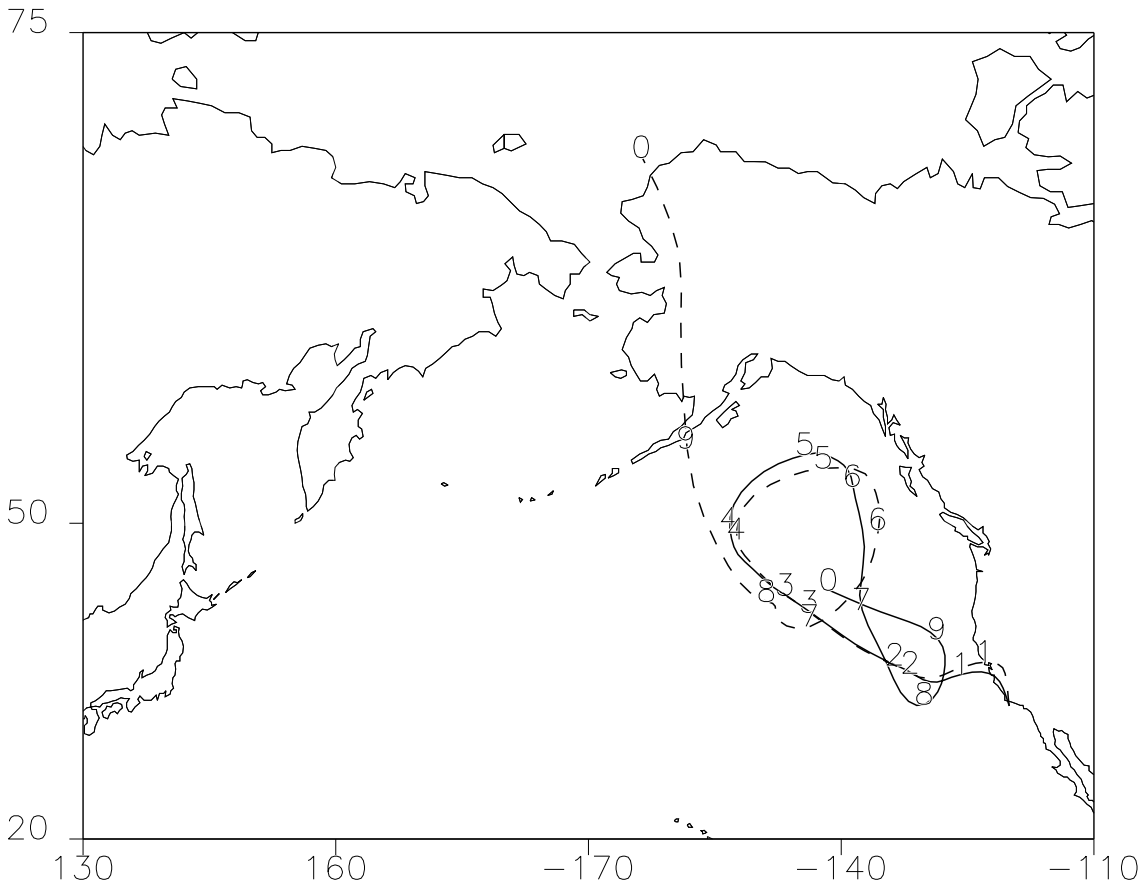
Day	km	hPa	C
0	0.3	986	11
1	0.2	1000	10
2	0.1	995	9
3	0.2	978	3
4	0.3	972	3
5	0.3	980	5
6	0.8	927	−3
7	1.8	825	−10
8	0.9	902	−4
9	0.9	899	−6
10	0.9	913	−4

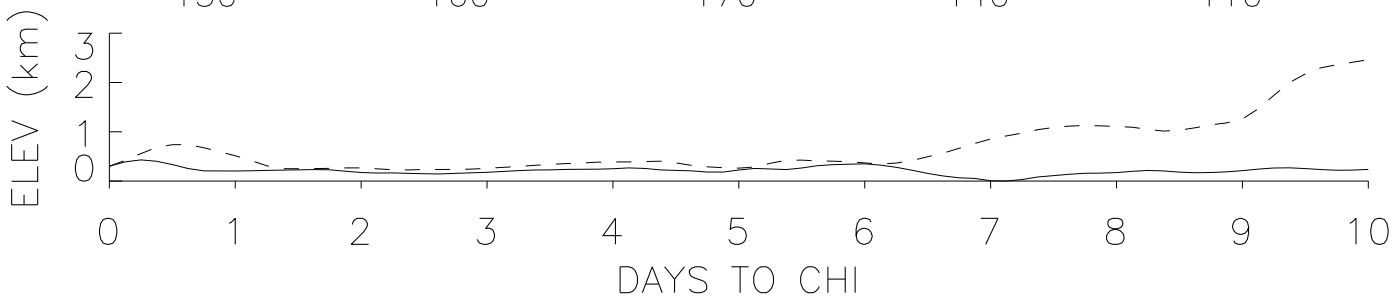
18UT

Day	km	hPa	C
0	0.3	986	14
1	0.2	999	11
2	0.2	998	10
3	0.2	979	4
4	0.2	973	3
5	0.2	980	5
6	0.4	962	4
7	0.9	901	−3
8	0.9	904	−5
9	1.7	817	−21
10	1.9	795	−26

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/28/2004 (Day of Year 88)
NCEP/NCAR Reanalysis 1 Data Set





00UT − solid
06UT − dashed

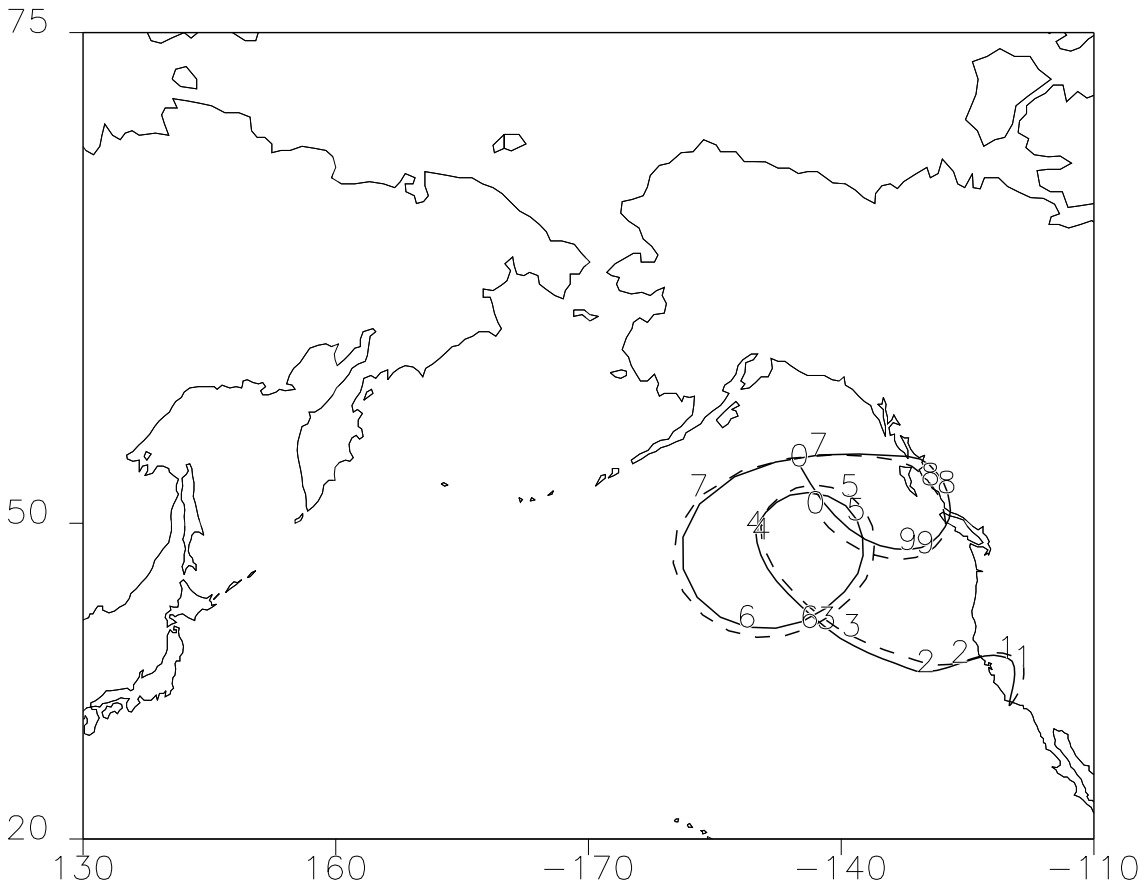
00UT

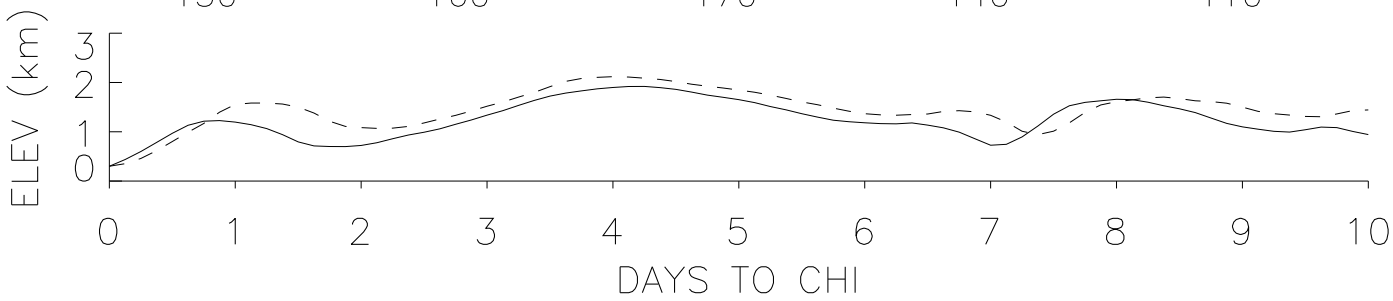
Day	km	hPa	C
0	0.3	982	17
1	0.2	1000	10
2	0.2	998	10
3	0.2	986	5
4	0.2	971	2
5	0.2	982	4
6	0.3	965	5
7	0.0	993	12
8	0.2	999	13
9	0.2	993	11
10	0.2	992	6

06UT

Day	km	hPa	C
0	0.3	983	15
1	0.5	962	9
2	0.3	991	11
3	0.3	980	6
4	0.4	954	2
5	0.3	972	4
6	0.4	967	5
7	0.9	900	0
8	1.1	879	−6
9	1.3	872	−11
10	2.5	736	−28

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/28/2004 (Day of Year 88)
NCEP/NCAR Reanalysis 1 Data Set





12UT

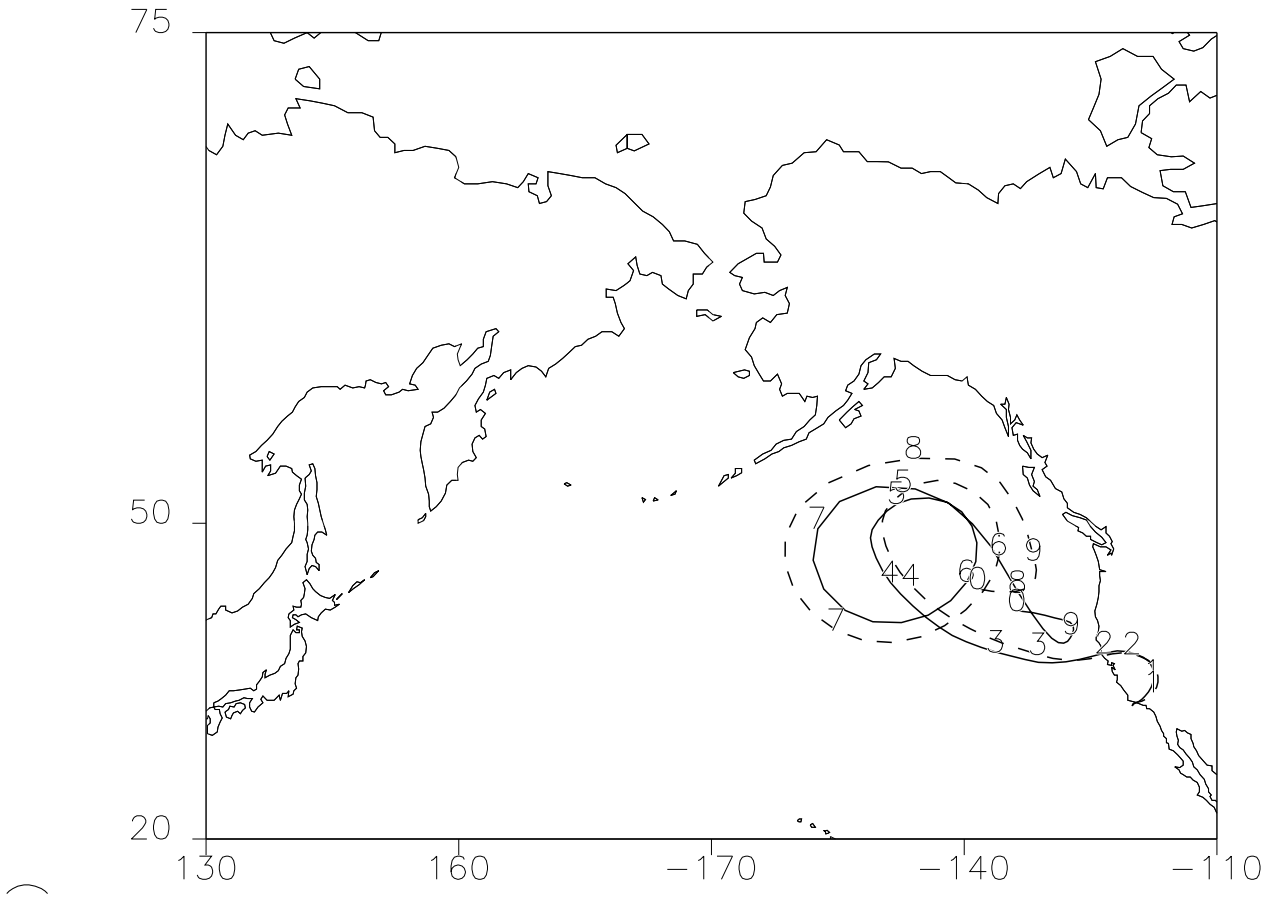
Day	km	hPa	C
0	0.3	981	15
1	1.2	885	5
2	0.7	938	6
3	1.3	861	−1
4	1.9	787	−6
5	1.7	811	−5
6	1.2	865	0
7	0.7	923	2
8	1.7	838	−7
9	1.1	884	−4
10	0.9	895	−6

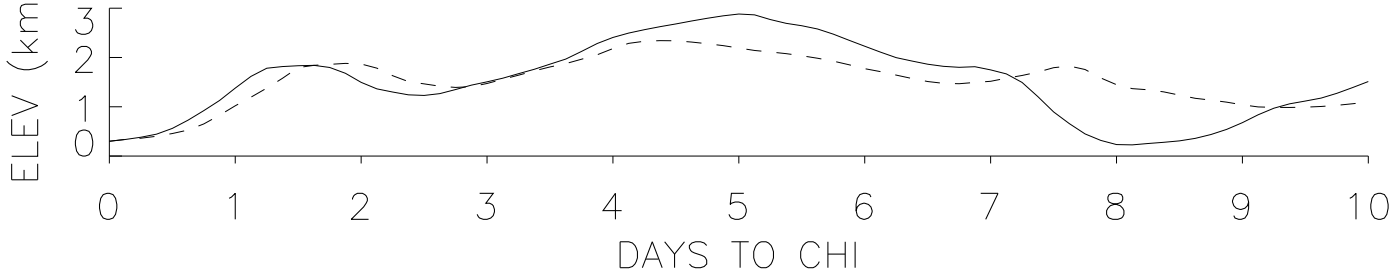
18UT

Day	km	hPa	C
0	0.3	983	19
1	1.6	848	7
2	1.1	898	5
3	1.5	845	0
4	2.1	768	−7
5	1.8	793	−5
6	1.4	848	0
7	1.3	848	−3
8	1.6	844	−6
9	1.5	845	−5
10	1.4	841	−8

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/29/2004 (Day of Year 89)
NCEP/NCAR Reanalysis 1 Data Set





00UT

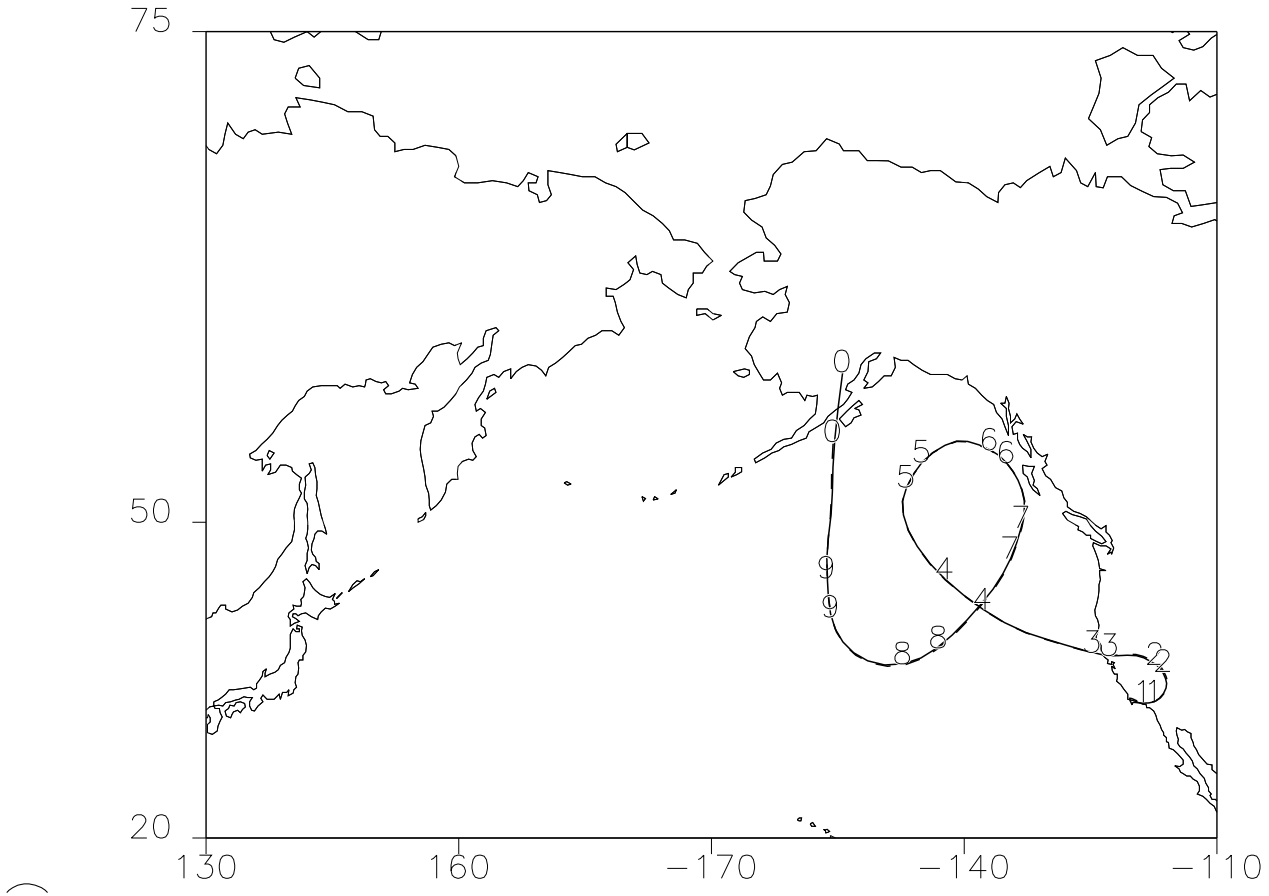
Day	km	hPa	C
0	0.3	981	22
1	1.4	865	15
2	1.5	851	4
3	1.5	848	2
4	2.4	745	−9
5	2.9	692	−12
6	2.2	755	−7
7	1.7	799	−5
8	0.2	978	11
9	0.7	941	7
10	1.5	845	−1

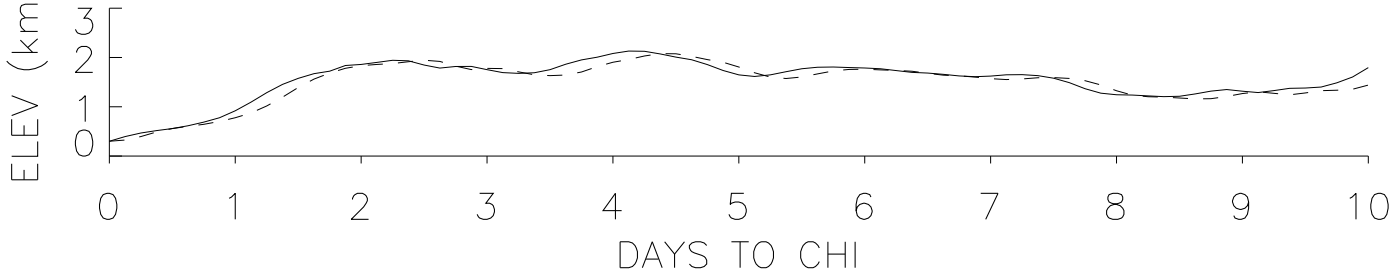
06UT

Day	km	hPa	C
0	0.3	982	18
1	1.0	903	14
2	1.9	814	2
3	1.5	852	4
4	2.2	770	−6
5	2.2	758	−7
6	1.8	803	−3
7	1.5	834	0
8	1.4	848	−6
9	1.0	900	−1
10	1.1	889	−2

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/29/2004 (Day of Year 89)
NCEP/NCAR Reanalysis 1 Data Set





12UT

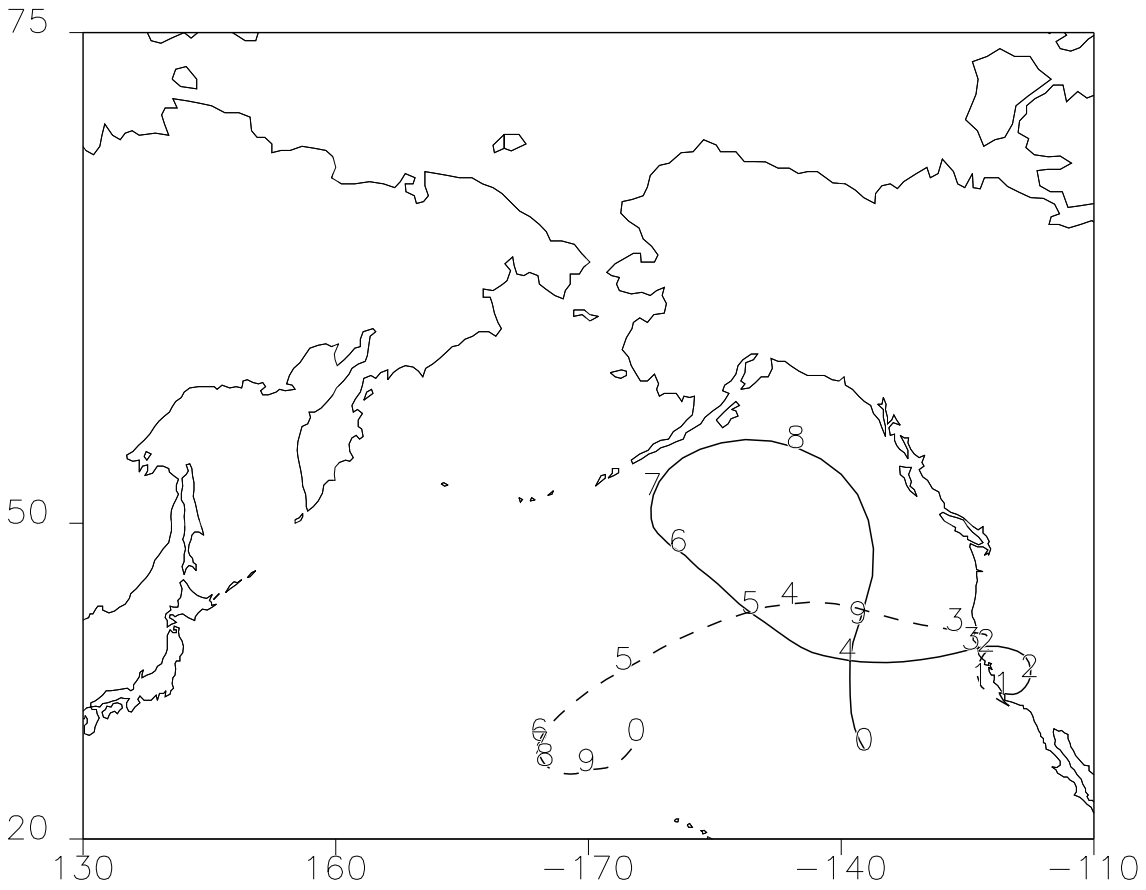
Day	km	hPa	C
0	0.3	980	19
1	0.9	913	16
2	1.9	814	2
3	1.8	823	−2
4	2.1	778	−5
5	1.6	813	−6
6	1.8	806	−7
7	1.6	829	−1
8	1.2	865	1
9	1.3	861	−10
10	1.8	806	−19

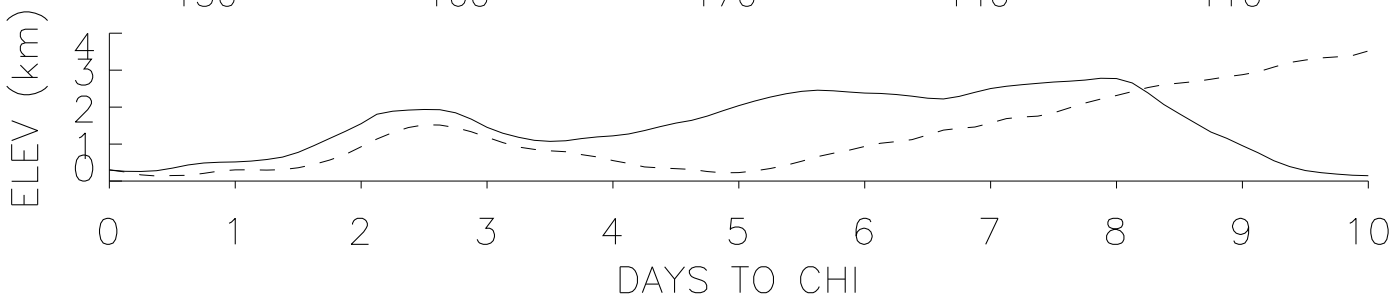
18UT

Day	km	hPa	C
0	0.3	982	19
1	0.8	930	19
2	1.8	818	7
3	1.8	824	1
4	1.9	799	−3
5	1.8	797	−5
6	1.8	807	−6
7	1.6	833	−3
8	1.3	859	1
9	1.3	863	−6
10	1.4	847	−13

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/30/2004 (Day of Year 90)
NCEP/NCAR Reanalysis 1 Data Set





00UT

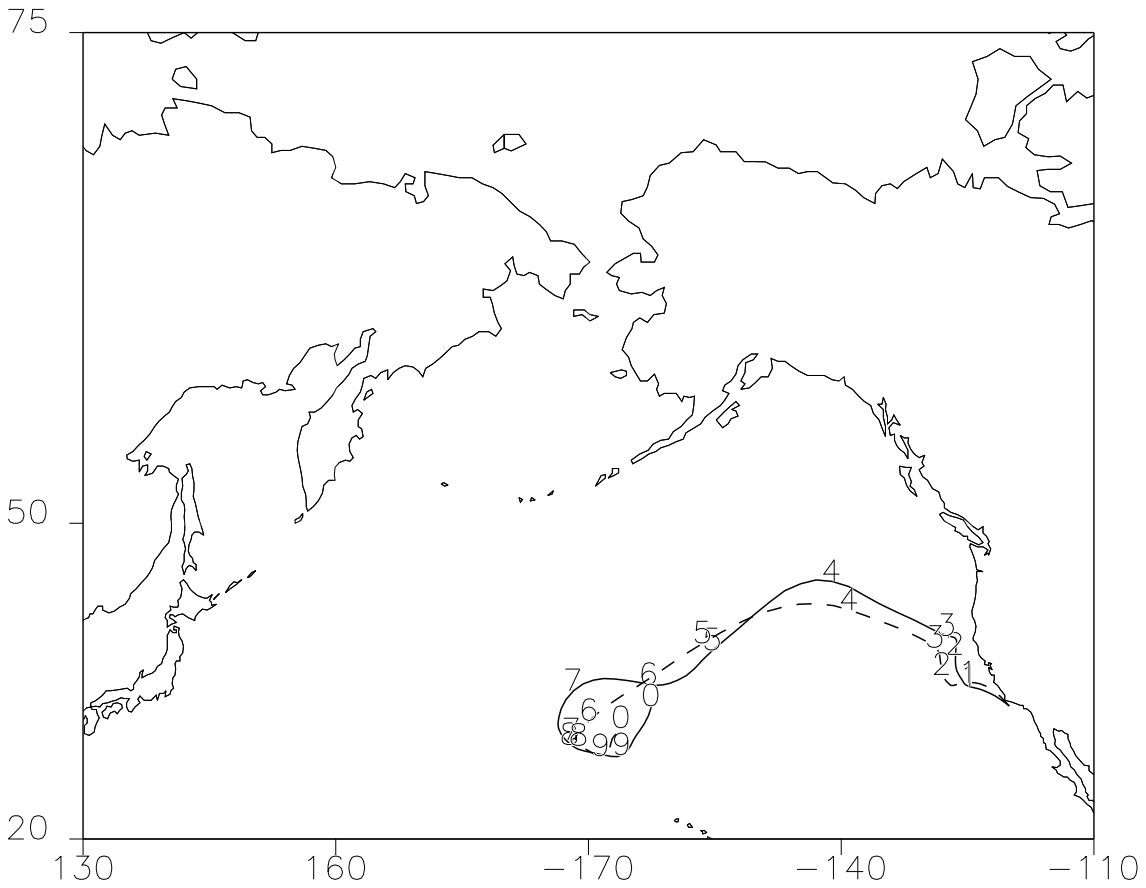
Day	km	hPa	C
0	0.3	979	22
1	0.5	957	21
2	1.6	847	14
3	1.5	855	4
4	1.2	880	3
5	2.0	785	−6
6	2.4	744	−8
7	2.5	741	−8
8	2.8	710	−10
9	1.0	886	7
10	0.1	997	17

06UT

Day	km	hPa	C
0	0.3	980	18
1	0.3	982	14
2	0.9	917	9
3	1.2	882	4
4	0.6	941	7
5	0.2	988	14
6	0.9	916	11
7	1.6	850	10
8	2.3	775	6
9	2.9	721	3
10	3.5	665	−2

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/30/2004 (Day of Year 90)
NCEP/NCAR Reanalysis 1 Data Set

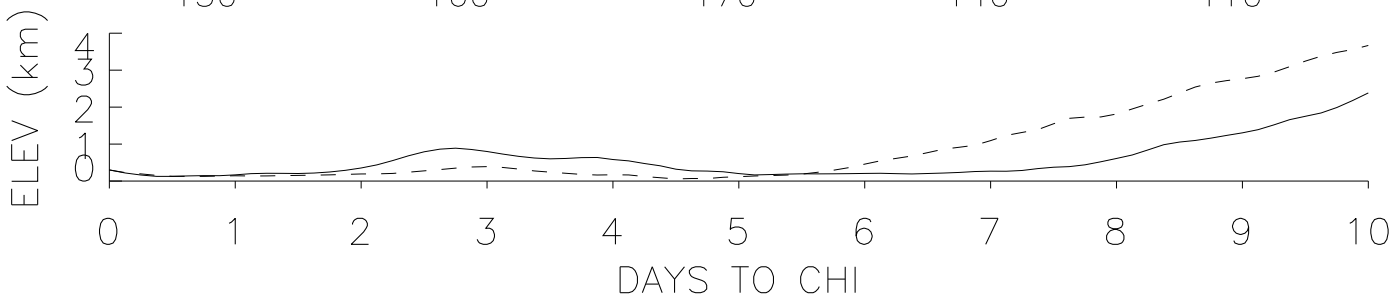


12UT

Day	km	hPa	C
0	0.3	979	16
1	0.2	996	15
2	0.4	981	10
3	0.8	930	4
4	0.6	934	4
5	0.2	993	11
6	0.2	997	11
7	0.3	992	13
8	0.6	957	9
9	1.3	875	8
10	2.4	766	1

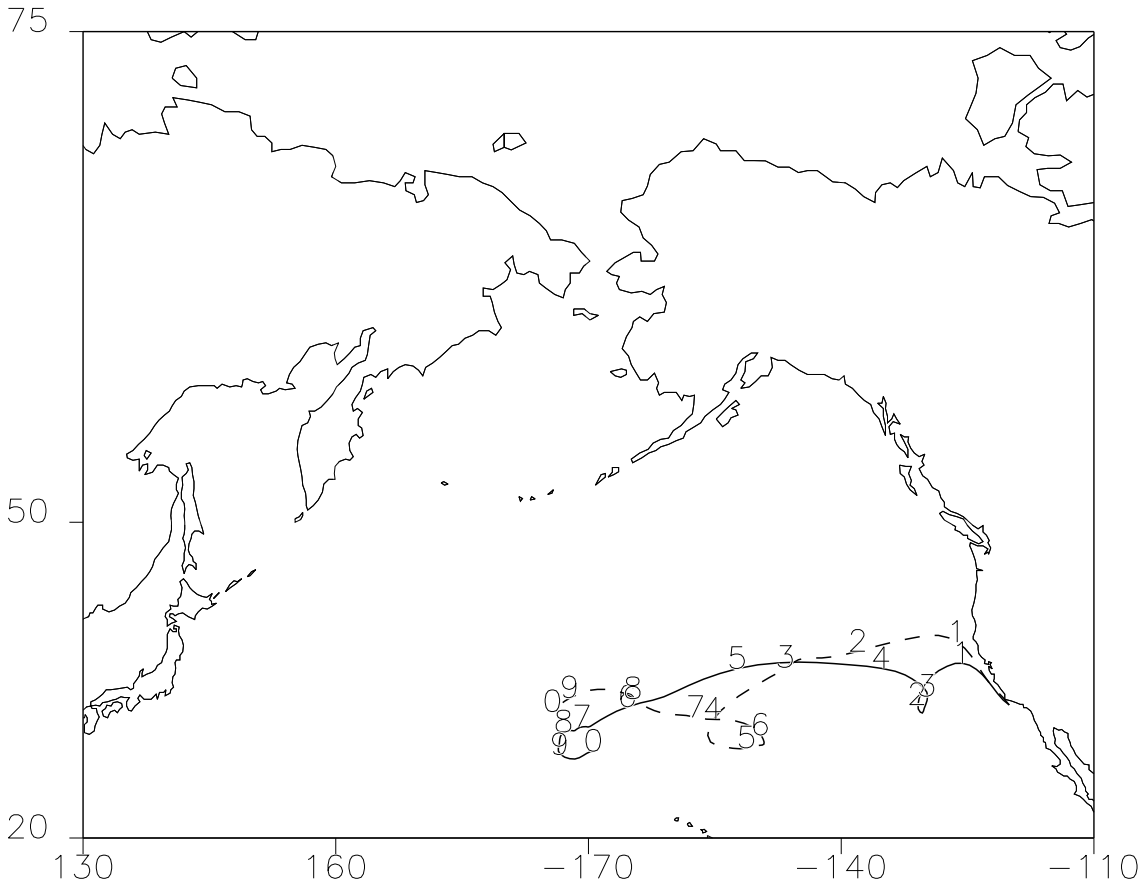
18UT

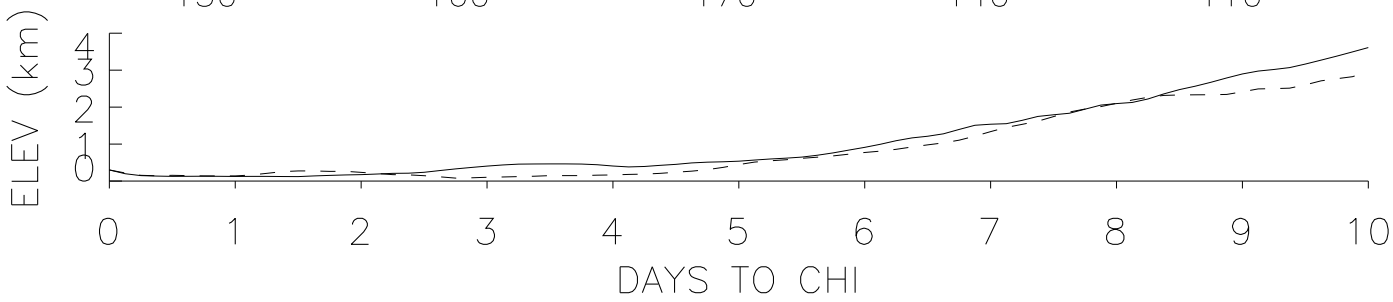
Day	km	hPa	C
0	0.3	980	18
1	0.1	1000	15
2	0.2	1000	11
3	0.4	981	7
4	0.2	993	8
5	0.1	1000	12
6	0.5	971	12
7	1.1	900	9
8	1.8	826	10
9	2.8	733	3
10	3.7	653	−4



12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/31/2004 (Day of Year 91)
NCEP/NCAR Reanalysis 1 Data Set





00UT

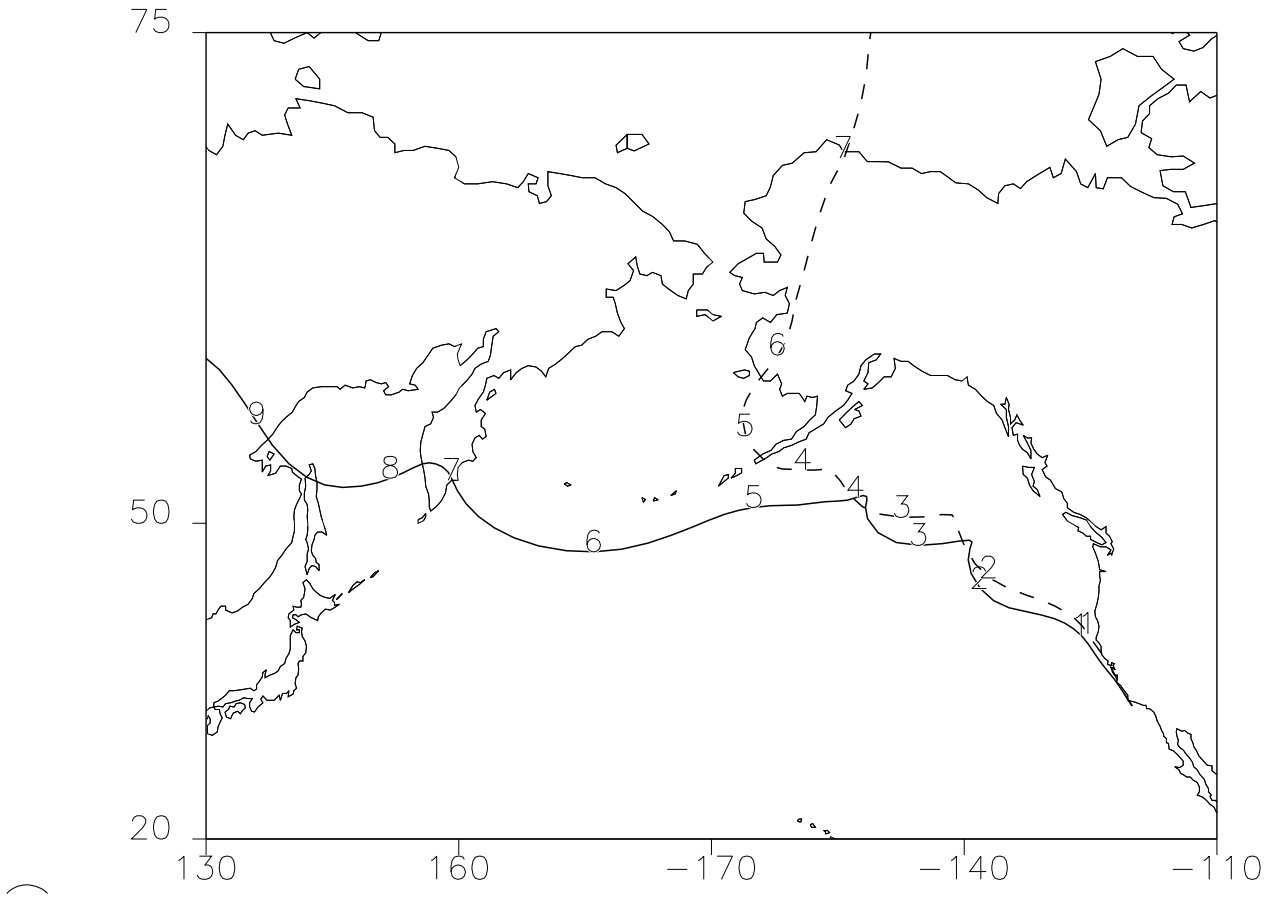
Day	km	hPa	C
0	0.3	978	15
1	0.1	1000	15
2	0.2	1000	13
3	0.4	981	9
4	0.4	975	10
5	0.5	960	10
6	0.9	919	10
7	1.5	853	11
8	2.1	799	6
9	2.9	722	3
10	3.6	660	−2

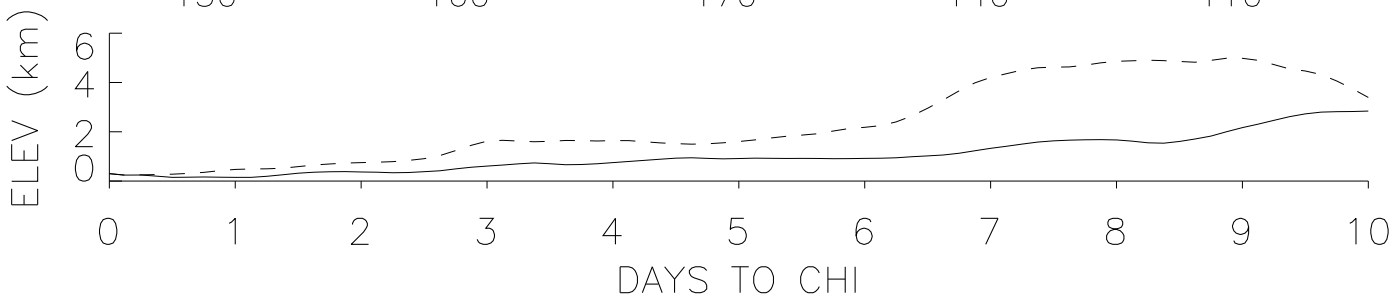
06UT

Day	km	hPa	C
0	0.3	979	14
1	0.1	1000	10
2	0.2	977	12
3	0.1	1000	12
4	0.2	1000	17
5	0.4	975	15
6	0.8	937	10
7	1.3	872	9
8	2.1	796	5
9	2.4	766	4
10	3.0	715	1

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/31/2004 (Day of Year 91)
NCEP/NCAR Reanalysis 1 Data Set





12UT

Day	km	hPa	C
0	0.3	977	13
1	0.1	1000	9
2	0.4	957	4
3	0.6	930	−2
4	0.7	917	−2
5	0.9	899	−3
6	0.9	895	−6
7	1.3	856	−14
8	1.7	816	−17
9	2.2	759	−21
10	2.8	694	−27

18UT

Day	km	hPa	C
0	0.3	979	15
1	0.5	964	7
2	0.7	914	0
3	1.6	817	−10
4	1.6	814	−13
5	1.6	817	−12
6	2.2	755	−15
7	4.2	573	−35
8	4.9	517	−42
9	5.0	500	−45
10	3.4	638	−30

12UT – solid
18UT – dashed