Appendix A

Data and Analysis for Meteorology of

Ozone Formation in Missouri

Table 1 St. Louis Ozone Episodes-2000-2003

	BonneTer	Arnold	S.Lindbrg	S.Broadway	Queeny	Clark	Ladue(Hnt)	Margaretta	St.Ann	Ferguson	OrcFarm	W.Alton	MarkTwain	Houston	E.StL	MaxSHour	Maryville	Edwards	WoodRiver	Alton	Jerseyville	Nilwood
1-Jun-02	0.045	0.052	0.054	0.052	0.051	0.051	0.053	0.060	0.054	0.059	0.062	0.065	0.057	0.050	0.060	9	0.068	0.059	0.061	0.059	0.064	0.067
2-Jun-02	0.045	0.057	0.063	0.058	0.055	0.057	0.059	0.068	0.062	0.069	0.072	0.080	0.062	0.052	0.061	9	0.073	0.067	0.071	0.070	0.070	0.066
7-Jun-02	0.065	0.066	0.072	0.061	0.071	0.052	0.063	0.067	0.067	0.066	0.073	0.072	0.067	0.061	0.062	11	0.064	0.061	0.063	0.068	0.067	0.057
8-Jun-02	0.066	0.074	0.081	0.072	0.083	0.071	0.078	0.083	**0.086**	0.084	**0.098**	**0.094**	0.069	0.073	0.078	11	0.081	0.079	0.081	0.083	**0.092**	0.077
18-Jun-02	0.062	0.063	0.065	0.041	0.058	0.047	0.055	0.063	0.066	0.067	0.069	0.072	0.055	0.061	0.061	9	0.067	0.064	0.064	0.070	0.073	0.072
19-Jun-02	0.075	0.071	0.075	0.069	0.072	0.060	0.071	0.080	0.082	0.083	**0.086**	**0.090**	0.068	**0.086**	0.074	10	0.084	0.082	0.078	**0.087**	**0.091**	0.080
20-Jun-02	0.058	0.072	0.078	0.047	0.068	0.055	0.073	0.072	**0.088**	0.084	**0.091**	**0.094**	0.061	0.069	0.066	10	0.073	0.070	0.074	**0.086**	**0.100**	**0.087**
21-Jun-02	0.078	**0.085**	**0.090**	0.076	0.073	0.070	0.083	**0.085**	**0.096**	**0.095**	**0.096**	**0.100**	0.067	0.079	0.079	11	**0.088**	0.082	0.082	**0.094**	**0.110**	**0.089**
22-Jun-02	**0.094**	**0.094**	**0.098**	**0.090**	**0.098**	**0.088**	**0.098**	**0.103**	**0.103**	**0.099**	**0.111**	**0.111**	0.074	**0.093**	**0.093**	**10**	**0.096**	**0.091**	**0.090**	**0.102**	**0.109**	**0.088**
23-Jun-02	0.084	**0.093**	**0.091**	0.083	**0.094**	0.074	**0.089**	**0.086**	**0.093**	**0.089**	**0.101**	**0.094**	**0.089**	0.076	0.080	10	**0.089**	**0.087**	**0.086**	**0.093**	**0.099**	0.084
1-Jul-02	0.033	0.038	0.053	0.052	0.044	0.047	0.049	0.058	0.051	0.052	0.054	0.060	0.041	0.042	0.061	10	0.076	0.056	0.050	0.059	0.046	0.040
2-Jul-02	0.056	0.061	0.069	0.062	0.068	0.054	0.066	0.068	0.070	0.070	**0.088**	0.078	0.043	0.059	0.066	9	0.065	0.061	0.059	0.070	0.078	0.069
3-Jul-02	0.059	0.063	0.072	0.072	0.066	0.061	0.074	0.075	0.071	0.079	0.074	**0.090**	0.061	0.068	0.070	10	0.075	0.075	0.070	0.084	0.067	0.072
4-Jul-02	**0.090**	0.083	**0.098**	0.083	0.083	**0.081**	**0.103**	**0.098**	**0.093**	**0.087**	0.083	0.084	0.059	0.068	**0.094**	**11**	0.083	0.080	0.076	**0.087**	0.078	0.068
5-Jul-02	0.082	**0.085**	**0.109**	**0.087**	**0.098**	0.073	**0.094**	**0.086**	0.083	0.082	0.077	**0.088**	0.070	0.063	0.082	10	0.071	0.067	0.066	0.076	0.073	0.071
6-Jul-02	0.077	0.080	0.084	0.076	0.077	0.059	0.083	0.076	0.072	0.070	0.071	0.076	0.078	0.063	0.071	9	0.068	0.063	0.062	0.070	0.069	0.063
7-Jul-02	0.080	0.083	**0.093**	0.083	**0.085**	0.066	**0.088**	**0.085**	0.083	0.083	0.072	0.083	0.059	0.067	0.078	10	0.076	0.071	0.070	0.077	0.074	0.070
8-Jul-02	0.077	0.081	**0.086**	**0.093**	0.074	**0.086**	**0.087**	**0.111**	**0.094**	**0.110**	**0.091**	**0.099**	0.077	0.076	**0.102**	**9**	**0.119**	**0.104**	**0.084**	**0.092**	0.081	0.080
9-Jul-02	0.067	0.071	0.075	0.082	0.070	0.059	0.069	0.080	0.073	0.081	0.073	0.077	0.079	0.075	0.080	10	**0.090**	0.081	0.064	0.072	0.063	0.069
12-Jul-02	0.055	0.060	0.061	0.056	0.046	0.037	0.057	0.054	0.049	0.050	0.057	0.065	0.067	0.056	0.054	14	0.054	0.053	0.052	0.058	0.054	0.049
13-Jul-02	**0.085**	**0.088**	**0.089**	0.084	0.080	0.069	**0.086**	0.084	0.076	0.077	0.073	0.079	0.076	0.075	0.081	10	0.079	0.076	0.075	0.080	0.076	0.077
14-Jul-02	**0.086**	**0.093**	**0.097**	**0.090**	0.084	0.078	**0.093**	**0.090**	0.082	0.083	0.079	**0.085**	**0.087**	0.068	**0.085**	**11**	0.084	0.081	0.078	**0.085**	0.082	0.082
15-Jul-02	0.082	**0.101**	**0.114**	**0.103**	**0.097**	**0.087**	**0.105**	**0.109**	**0.090**	**0.096**	**0.088**	**0.092**	**0.087**	0.073	**0.103**	**11**	**0.088**	**0.096**	**0.084**	**0.094**	0.083	0.076
16-Jul-02	0.072	**0.087**	0.081	0.071	0.072	0.055	0.071	0.074	0.075	0.073	**0.090**	**0.093**	**0.085**	0.077	0.073	10	0.084	0.083	0.075	**0.090**	**0.088**	0.074
19-Jul-02	0.045	0.049	0.050	0.049	0.047	0.045	0.048	0.066	0.061	0.067	0.064	0.071	0.054	0.055	0.062	11	0.078	0.076	0.063	0.074	0.062	0.055
20-Jul-02	0.045	0.059	0.075	0.077	0.076	0.075	**0.086**	**0.092**	0.078	0.084	0.065	0.082	0.060	0.056	**0.086**	**11**	0.069	0.080	0.077	**0.091**	0.059	0.064
23-Jul-02	0.079	0.067	0.066	0.064	0.060	0.052	0.062	0.061	0.054	0.056	0.058	0.060	0.050	0.060	0.061	11	0.061	0.056	0.055	0.060	0.059	0.050
24-Jul-02	0.069	0.071	0.081	0.069	0.064	0.058	0.072	0.073	0.057	0.063	0.051	0.058	0.060	0.059	0.069	11	0.065	0.059	0.074	0.060	0.057	0.061
25-Jul-02	0.061	0.062	0.061	0.062	0.056	0.057	0.057	0.074	0.066	0.074	0.072	**0.085**	0.058	0.060	0.066	10	0.071	0.070	0.082	**0.085**	0.077	0.066
29-Jul-02	0.050	0.051	0.047	0.047	0.049	0.041	0.043	0.052	0.050	0.052	0.054	0.052	0.055	0.049	0.048	11	0.051	0.050	0.053	0.053	0.050	0.042
30-Jul-02	0.049	0.064	0.080	0.061	**0.090**	0.059	0.083	0.074	0.074	0.074	0.064	0.078	0.065	0.065	0.068	10	0.063	0.062	0.072	0.070	0.054	0.054
31-Jul-02	0.039	0.055	0.061	0.048	0.069	0.041	0.060	0.057	0.065	0.059	0.078	0.069	0.063	0.043	0.050	10	0.049	0.050	0.058	0.064	0.075	0.046
1-Aug-02	0.047	0.059	0.065	0.056	0.062	0.053	0.069	0.077	0.067	0.072	0.066	**0.088**	0.055	0.045	0.065	10	0.061	0.062	**0.092**	**0.085**	0.066	0.060
2-Aug-02	0.060	**0.085**	0.076	0.082	0.063	0.052	0.062	0.066	0.049	0.053	0.059	0.058	0.061	0.049	0.068	11	0.064	0.055	0.064	0.057	0.052	0.048
3-Aug-02	0.078	**0.085**	**0.085**	0.071	0.077	0.065	0.084	0.082	**0.087**	**0.088**	**0.088**	**0.099**	0.058	0.072	0.074	11	0.077	0.077	0.077	**0.093**	0.083	0.058
4-Aug-02	0.075	0.069	0.072	0.078	0.074	0.076	**0.087**	**0.098**	0.075	0.083	0.068	0.084	0.063	0.072	**0.088**	**10**	**0.090**	**0.090**	0.077	**0.087**	0.061	0.052
8-Aug-02	0.076	0.069	0.070	0.059	0.069	0.046	0.068	0.065	0.061	0.059	0.057	0.063	0.064	0.065	0.063	11	0.060	0.058	0.058	0.062	0.057	0.056
9-Aug-02	**0.092**	**0.089**	**0.098**	0.084	**0.093**	0.077	**0.093**	**0.094**	**0.091**	**0.093**	**0.098**	**0.100**	0.083	**0.085**	**0.089**	**11**	**0.087**	**0.085**	0.083	**0.093**	**0.090**	0.081
10-Aug-02	0.077	0.076	0.079	0.074	0.079	0.073	0.082	**0.087**	0.080	**0.086**	0.081	**0.090**	0.082	0.074	0.083	10	0.082	**0.085**	0.079	**0.090**	0.075	**0.085**
31-Aug-02	0.074	0.075	0.081	0.072	0.080	0.058	0.081	0.077	0.071	0.074	0.071	0.078	0.076	0.072	0.069	10	0.075	0.067	0.061	0.074	0.067	0.066
1-Sep-02	0.071	0.070	0.072	0.069	0.066	0.065	0.073	0.081	0.073	0.081	0.080	**0.090**	0.061	0.068	0.073	10	0.074	0.073	0.072	**0.086**	0.081	0.068
5-Sep-02	0.084	0.077	0.082	0.071	0.081	0.052	0.076	0.071	0.068	0.073	0.071	0.073	0.079	0.076	0.069	10	0.069	0.066	0.056	0.074	0.068	0.049
6-Sep-02	**0.094**	**0.091**	**0.092**	0.078	**0.090**	0.069	**0.090**	**0.086**	0.078	0.083	0.084	**0.086**	0.081	**0.085**	0.083	10	**0.087**	0.079	0.070	**0.088**	0.074	0.071
7-Sep-02	0.069	0.077	**0.087**	0.078	**0.091**	0.072	**0.085**	**0.085**	**0.092**	**0.093**	**0.114**	**0.094**	0.084	0.069	0.079	9	**0.090**	0.082	0.069	**0.095**	**0.105**	0.081
8-Sep-02	0.070	0.075	0.079	0.071	0.078	0.065	0.076	0.080	0.080	0.083	**0.091**	0.084	0.060	0.075	0.075	10	0.079	0.073	0.058	0.078	0.080	0.070
9-Sep-02	**0.092**	**0.104**	**0.103**	**0.091**	**0.093**	0.067	**0.086**	**0.086**	0.077	0.081	0.081	0.082	0.072	0.083	0.082	10	0.080	0.070	0.058	0.077	0.078	0.077
10-Sep-02	**0.087**	0.076	0.074	0.077	0.074	0.064	0.070	0.075	0.066	0.070	0.075	0.068	0.067	**0.091**	0.070	10	0.073	0.064	0.051	0.071	0.071	0.069
13-Sep-02	0.081	0.067	0.071	0.069	0.071	0.050	0.066	0.061	0.057	0.064	0.078	0.076	0.076	0.071	0.061	10	0.068	0.066	0.064	0.073	0.079	0.069
14-Sep-02	0.059	0.079	**0.086**	0.082	0.080	0.075	0.083	**0.089**	0.076	**0.086**	0.080	0.084	0.057	0.045	**0.089**	**9**	**0.090**	**0.086**		0.082	0.068	0.070
28-Apr-01	0.074	0.067	0.063	0.055	0.058	0.051	0.057	0.056	0.051	0.052	0.060	0.050	0.070	0.051	0.059	11	0.053	0.046	0.054	0.060	0.060	0.058
29-Apr-01	0.069	0.065	0.062	0.054	0.061	0.053	0.055	0.061	0.060	0.060	0.067	0.065	**0.076**	0.045	0.061	10	0.056	0.049	0.059	0.064	0.062	0.059
30-Apr-01	0.070	0.067	0.060	0.048	0.057	0.043	0.044	0.054	0.051	0.052	0.065	0.063	**0.076**	0.049	0.057	10	0.059	0.048	0.046	0.059	0.064	0.067
8-May-01	0.058	0.055	0.056	0.044	0.057	0.043	0.048	0.054	0.056	0.059	0.060	0.059	0.061	0.047	0.056	9	0.046	0.049	0.049	0.056	0.060	0.057
9-May-01	0.063	0.064	0.060	0.054	0.062	0.049	0.051	0.064	0.064	0.067	0.068	0.071	0.067	0.053	0.064	10	0.058	0.064	0.065	0.067	0.072	**0.075**
8-Jun-01	0.071	0.065	0.059	0.048	0.054	0.048	0.058	0.059	0.046	0.054	0.059	0.061	0.054	0.067	0.050	11	0.060	0.058	0.062	0.063	0.059	0.061
9-Jun-01	0.074	**0.088**	**0.088**	0.074	0.074	**0.071**	**0.079**	0.076	0.064	0.067	0.058	0.068	0.057	0.074	0.062	10	0.062	0.058	0.065	0.065	0.062	0.060
10-Jun-01	0.059	0.058	0.053	0.046	0.050	0.050	0.051	0.059	0.055	0.058	0.061	0.064	0.056	0.065	0.049	9	0.059	0.060	0.062	0.068	0.063	**0.074**
11-Jun-01	0.056	0.053	0.051	0.050	0.054	0.047	0.051	0.065	0.063	0.068	0.066	0.076	0.059	0.061	0.056	9	0.072	0.069	0.073	0.079	0.064	0.063
12-Jun-01	0.073	0.077	0.072	0.059	0.066	0.056	0.067	0.077	**0.081**	**0.084**	**0.090**	**0.099**	0.060	0.073	0.072	8	**0.075**	0.070	0.077	**0.090**	**0.094**	0.069
16-Jun-01	0.057	0.062	0.064	0.069	0.063	0.065	0.060	0.067	0.064	0.067	0.066	0.067	0.068	0.066	0.070	10	0.066	0.067	0.069	0.070	0.065	0.063
17-Jun-01	0.054	0.058	0.059	0.063	0.060	0.068	0.063	0.070	0.069	0.072	0.068	0.076	0.057	0.064	0.069	9	0.066	0.069	0.076	0.078	0.070	0.068
18-Jun-01	0.071	0.073	0.069	0.066	0.067	0.061	0.062	0.078	0.074	0.078	0.074	0.079	0.068	**0.082**	0.077	10	0.065	0.074	**0.080**	**0.087**	0.078	**0.091**
19-Jun-01	0.073	0.066	0.064	0.067	0.065	0.060	0.061	0.075	0.067	0.068	0.072	0.071	0.059	**0.081**	0.072	10	0.067	0.071	0.072	0.074	0.070	0.068

Table 1 St. Louis Ozone Episodes-2000-2003

	BonneTer	Arnold	S.Lindbrg	S.Broadway	Queeny	Clark	Ladue(Hnt)	Margaretta	St.Ann	Ferguson	OrcFarm	W.Alton	MarkTwain	Houston	E.StL	MaxSHour	Maryville	Edwards	WoodRiver	Alton	Jerseyville	Nilwood
24-Jun-01	0.064	0.066	0.071	0.066	0.067	0.067	0.070	0.071	0.074	0.071	0.073	0.072	0.059	0.065	0.067	10	0.058	0.063	0.067	0.067	0.072	0.062
25-Jun-01	0.073	0.081	0.076	0.074	0.076	**0.072**	0.071	**0.082**	**0.084**	**0.081**	**0.090**	**0.089**	0.066	0.075	**0.078**	11	0.068	**0.075**	0.077	0.081	**0.091**	**0.077**
26-Jun-01	**0.077**	0.081	0.084	0.069	0.075	**0.076**	0.078	**0.084**	**0.079**	0.079	0.080	0.081	**0.077**	0.073	**0.079**	10	**0.073**	**0.079**	0.076	**0.082**	0.078	0.071
27-Jun-01	0.064	0.071	0.072	0.066	0.072	0.066	0.068	0.076	0.076	0.075	0.078	0.083	0.073	0.070	0.075	11	0.066	**0.077**	**0.078**	0.079	0.082	0.072
9-Jul-01	0.062	0.065	0.071	0.072	0.062	0.053	0.062	0.066	0.052	0.056	0.055	0.059	0.053	0.052	0.062	11	0.041	0.057	0.058	0.063	0.054	0.056
10-Jul-01	0.071	0.072	0.072	0.072	0.063	0.059	0.062	0.066	0.058	0.060	0.060	0.057	0.059	**0.081**	0.064	10	0.063	0.061	0.059	0.063	0.061	0.059
15-Jul-01	0.072	0.071	0.074	0.070	0.072	0.070	0.070	0.076	0.075	0.076	0.078	0.077	0.064	0.071	0.075	10	0.062	0.066	0.072	0.075	0.078	0.066
16-Jul-01	0.072	0.076	0.074	0.068	0.071	0.065	0.065	0.076	**0.080**	0.080	**0.088**	0.081	0.066	0.066	0.071	10	0.070	0.070	0.071	0.075	**0.089**	0.073
17-Jul-01	0.059	0.063	0.060	0.060	0.051	0.053	0.054	0.067	0.065	0.077	0.070	0.083	0.062	0.056	0.059	10	0.055	0.058	0.066	0.073	**0.084**	0.070
20-Jul-01	0.041	0.041	0.037	0.042	0.035	0.038	0.027	0.049	0.033	0.043	0.045	0.048	0.044	0.056	0.052	11	0.056	0.053	0.046	0.045	0.047	0.048
21-Jul-01	0.052	0.066	0.074	0.069	0.056	0.067	0.072	**0.083**	0.069	0.075	0.065	**0.085**	0.063	0.053	0.064	10	0.063	0.070	0.073	0.071	0.064	0.059
22-Jul-01	0.049	0.053	0.051	0.050	0.056	0.051	0.056	0.061	0.061	0.063	0.059	0.065	0.063	0.044	0.055	9	0.052	0.047	0.065	0.067	0.060	0.048
23-Jul-01	0.049	0.065	0.083	0.074	0.062	0.062	0.057	0.079	0.062	**0.087**	0.070	**0.092**	0.063	0.048	**0.080**	9	**0.075**	**0.083**	**0.088**	**0.085**	0.055	0.054
24-Jul-01	0.045	0.047	0.044	0.043	0.050	0.040	0.047	0.057	0.065	0.060	0.078	0.063	0.059	0.042	0.048	10	0.044	0.039	0.061	0.064	0.075	0.066
25-Jul-01	0.052	**0.086**	0.078	**0.076**	0.067	0.066	0.065	0.070	0.062	0.061	0.057	0.057	0.056	0.059	0.070	10	0.058	0.048	0.060	0.059	0.057	0.057
28-Jul-01	0.041	0.047	0.049	0.052	0.048	0.054	0.050	0.060	0.052	0.059	0.054	0.058	0.058	0.042	0.057	10	0.062	0.049	0.060	0.061	0.051	0.045
29-Jul-01	0.050	0.074	0.072	**0.075**	0.070	**0.082**	0.072	0.071	0.067	0.064	0.063	0.058	0.065	0.050	**0.082**	10	0.071	0.055	0.059	0.062	0.058	0.053
30-Jul-01	0.050	0.059	0.052	0.047	0.063	0.039	0.048	0.053	0.059	0.057	0.075	0.070	0.049	0.041	0.048	10	0.051	0.050	0.062	0.069	0.073	0.069
31-Jul-01	0.056	0.061	0.060	0.056	0.065	0.053	0.055	0.065	0.064	0.068	0.081	0.075	0.059	0.056	0.061	9	0.060	0.059	0.067	0.072	0.082	0.067
1-Aug-01	0.057	0.067	0.062	0.059	0.065	0.052	0.059	0.066	0.071	0.061	0.084	0.070	0.056	0.057	0.060	8	0.062	0.058	0.065	0.068	0.082	0.066
2-Aug-01	0.063	0.067	0.068	0.066	0.066	0.067	0.067	**0.080**	0.074	**0.083**	0.079	0.083	0.058	0.057	0.075	10	**0.078**	0.073	**0.079**	**0.082**	0.066	0.046
3-Aug-01	0.060	0.060	0.055	0.055	0.053	0.040	0.047	0.049	0.042	0.046	0.049	0.047	0.042	0.062	0.048	11	0.047	0.043	0.048	0.048	0.049	0.047
4-Aug-01	**0.075**	**0.090**	**0.091**	**0.077**	**0.086**	0.064	**0.086**	0.078	0.070	0.065	0.059	0.068	0.065	0.063	0.072	11	0.063	0.059	0.069	0.066	0.059	0.064
5-Aug-01	0.066	0.064	0.067	0.063	0.075	0.061	0.072	0.070	0.070	0.065	0.075	0.073	**0.076**	0.057	0.066	10	0.062	0.057	0.067	0.070	0.068	0.057
6-Aug-01	0.074	**0.086**	0.081	0.072	**0.087**	0.068	**0.082**	0.077	0.078	0.074	**0.089**	0.081	0.066	0.063	0.076	10	0.071	0.064	0.073	0.073	0.079	0.067
7-Aug-01	0.064	0.068	0.068	0.062	0.072	0.055	0.067	0.063	0.066	0.064	0.071	0.066	**0.088**	0.050	0.059	10	0.056	0.052	0.060	0.066	0.069	0.069
8-Aug-01	0.050	0.053	0.056	0.049	0.065	0.050	0.058	0.061	0.059	0.059	0.068	0.057	0.067	0.045	0.056	9	0.049	0.048	0.055	0.059	0.059	0.062
9-Aug-01	0.057	0.062	0.063	0.056	0.063	0.051	0.054	0.066	0.060	0.064	0.062	0.065	0.075	0.051	0.064	9	0.058	0.055	**0.078**	0.076	0.057	0.055
10-Aug-01	0.064	0.047	0.044	0.045	0.043	0.037	0.041	0.040	0.036	0.038	0.046	0.042	0.049	0.052	0.040	12	0.042	0.041	0.048	0.047	0.049	0.049
11-Aug-01	0.051	0.058	0.059	0.055	0.058	0.055	0.060	0.058	0.054	0.054	0.055	0.054	0.061	0.045	0.056	11	0.053	0.050	0.058	0.057	0.056	0.058
12-Aug-01	0.065	**0.085**	**0.088**	**0.075**	**0.084**	0.068	**0.083**	0.077	0.069	0.064	0.061	0.062	0.067	0.056	0.074	11	0.063	0.058	0.064	0.063	0.057	0.063
20-Aug-01	0.052	0.065	0.064	0.053	0.068	0.048	0.058	0.056	0.060	0.056	0.064	0.060	0.054	0.045	0.051	11	0.049	0.050	0.057	0.052	0.060	0.043
21-Aug-01	0.059	0.066	0.062	0.058	0.059	0.056	0.053	0.070	0.068	0.073	0.070	0.073	0.064	0.059	0.057	10	0.057	0.053	0.062	0.058	0.078	0.073
2-Sep-01	0.062	0.067	0.064	0.061	0.063	0.063	0.066	0.065	0.062	0.060	0.063	0.065	0.061	0.061	0.063	10	0.061	0.055	0.061	0.064	0.062	0.062
3-Sep-01	0.074	**0.086**	0.081	0.073	0.071	**0.071**	0.074	0.070	0.064	0.063	0.037	0.071	0.049	0.060	0.067	10	0.062	0.058	0.061	0.065	0.059	0.066
4-Sep-01	**0.075**	**0.090**	**0.090**	**0.082**	0.072	0.069	0.074	0.072	0.057	0.052	0.053	0.061	0.060	0.067	0.073	10	0.065	0.052	0.059	0.057	0.055	0.056
11-Sep-01	0.061	0.060	0.058	0.049	0.059	0.051	0.046	0.053	0.050	0.054	0.064	0.060	0.060	0.057	0.053	10	0.050	0.046	0.053	0.053	0.062	0.055
12-Sep-01	0.071	0.076	0.073	0.065	**0.086**	0.068	0.063	0.069	0.070	0.066	0.072	0.073	0.061	0.065	0.069	9	0.072	0.065	0.065	0.067	0.070	0.072
13-Sep-01	**0.099**	0.083	0.077	0.070	0.073	0.064	0.073	0.073	0.065	0.066	0.068	0.074	0.064	**0.077**	0.070	10	0.064	0.060	0.070	0.070	0.066	0.067
29-May-00	0.051	0.057	0.056	0.048	0.052	0.050	0.055	0.053	0.055	0.048	0.060	0.055	0.058	0.050	0.051	10	0.045	0.049	0.049	0.052	0.052	0.048
30-May-00	0.064	0.070	0.070	0.056	0.059	0.048	0.057	0.068	0.073	0.074	**0.086**	0.079	0.062	0.063	0.061	10	0.054	0.063	0.061	0.072	**0.083**	0.071
31-May-00	0.066	0.066	0.059	0.056	0.056	0.059	0.055	0.076	0.060	0.072	0.077	**0.087**	0.062	0.068	0.067	10	0.065	0.073	0.077	0.076	0.079	**0.089**
1-Jun-00	0.071	0.065	0.059	0.051	0.060	0.052	0.054	0.066	0.060	0.065	0.077	0.078	0.07	0.067	0.063	9	0.065	0.073	0.071	0.072	0.071	**0.083**
7-Jun-00	0.072	0.072	0.068	0.057	0.064	0.056	0.058	0.069	0.062	0.071	0.071	0.072	0.064	0.072	0.067	10	0.061	0.065	0.063	0.063	0.072	0.072
8-Jun-00	0.073	0.073	0.068	0.061	0.071	0.061	0.064	0.075	0.070	0.079	0.082	**0.086**	0.07	0.075	0.077	10	0.073	**0.078**	**0.079**	**0.077**	0.078	**0.088**
9-Jun-00	0.069	0.064	0.058	0.050	0.060	0.054	0.055	0.067	0.062	0.068	0.076	0.077	0.069	0.075	0.064	9	0.066	0.069	0.072	0.070	0.074	**0.091**
7-Jul-00	0.072	0.064	0.069	0.061	0.061	0.058	0.073	0.068	0.073	0.065	0.074	0.068	0.068	0.066	0.066	10	0.054	0.063	0.063	0.067	0.065	0.056
8-Jul-00	0.068	0.074	0.076	0.066	0.071	0.066	0.072	0.076	0.075	0.078	**0.089**	0.083	0.056	0.069	0.070	9	0.061	0.070	0.073	0.076	0.081	0.068
24-Jul-00	0.067	0.060	0.058	0.052	0.053	0.043	0.058	0.054	0.051	0.051	0.050	0.053	0.052	0.053	0.049	10	0.050	0.051	0.053	0.053	0.052	0.052
25-Jul-00	0.066	0.073	0.069	0.062	0.065	0.057	0.064	0.068	0.066	0.068	0.075	0.071	0.059	0.073	0.062	11	0.060	0.063	0.066	0.063	0.071	0.066
26-Jul-00	0.079	**0.080**	0.076	0.070	0.069	0.046	0.071	0.083	0.075	**0.087**	0.083	**0.088**	0.063	0.074	0.071	11	0.074	**0.078**	**0.081**	**0.082**	**0.083**	0.076
9-Aug-00	0.059	0.062	0.060	0.065	0.056	0.050	0.053	0.066	0.061	0.065	0.058	0.055	0.057	0.063	0.063	10	0.059	0.058	0.054	0.056	0.061	0.055
10-Aug-00	**0.090**	0.056	0.053	0.045	0.048	0.039	0.048	0.043	0.049	0.036	0.046	0.048	0.045	0.053	0.047	9	0.045	0.046	0.049	0.048	0.047	0.052
11-Aug-00	0.069	0.066	0.065	0.052	0.049	0.049	0.062	0.055	0.049	0.054	0.052	0.055	0.06	0.056	0.054	10	0.051	0.050	0.053	0.053	0.052	0.056
12-Aug-00	0.075	0.078	0.075	0.059	0.065	0.053	0.068	0.062	0.059	0.054	0.055	0.061	0.066	0.054	0.061	11	0.054	0.053	0.055	0.055	0.053	0.045
13-Aug-00	0.056	0.060	0.058	0.050	0.047	0.049	0.055	0.056	0.055	0.057	0.064	0.066	0.046	0.056	0.052	10	0.055	0.057	0.060	0.060	0.057	0.053
14-Aug-00	0.061	0.066	0.061	0.058	0.066	0.056	0.063	0.075	0.075	0.082	0.077	**0.091**	0.058	0.066	0.065	9	0.063	0.066	0.074	0.075	0.079	0.075
15-Aug-00	0.071	0.078	0.072	**0.081**	0.077	**0.067**	0.067	**0.086**	0.070	0.079	0.074	0.078	**0.084**	**0.078**	**0.087**	**10**	**0.089**	**0.079**	**0.078**	**0.079**	0.070	0.070
16-Aug-00	**0.109**	0.082	**0.083**	0.068	**0.089**	0.055	0.078	0.068	0.078	0.068	0.062	0.066	0.066	0.066	0.062	11	0.056	0.056	0.052	0.056	0.056	0.053

Table 1 St. Louis Ozone Episodes-2000-2003

	BonneTer	Arnold	S.Lindbrg	S.Broadway	Queeny	Clark	Ladue(Hnt)	Margaretta	St.Ann	Ferguson	OrcFarm	W.Alton	MarkTwain	Houston	E.StL	MaxSHour	Maryville	Edwards	WoodRiver	Alton	Jerseyville	Nilwood
21-Aug-00	0.063	0.063	0.055	0.042	0.038	0.034	0.044	0.046	0.045	0.046	0.049	0.053	0.05	0.060	0.045	11	0.048	0.050	0.046	0.040	0.048	0.054
22-Aug-00	0.068	0.079	0.071	0.066	0.070	0.054	0.068	0.074	0.079	0.080	0.079	**0.088**	0.07	0.067	0.063	9	0.070	0.074	0.075	0.076	**0.087**	0.075
23-Aug-00	0.084	0.079	0.074	0.076	0.079	**0.067**	0.074	**0.085**	0.079	**0.086**	0.080	**0.093**	**0.079**	**0.078**	**0.084**	10	**0.088**	**0.091**	**0.089**	**0.085**	0.077	0.067
24-Aug-00	0.054	0.058	0.063	0.057	0.061	0.047	0.061	0.062	0.058	0.056	0.055	0.049	0.06	0.049	0.053	11	0.058	0.060	0.047	0.046	0.053	0.058
25-Aug-00	0.060	0.065	0.062	0.057	0.054	0.050	0.061	0.068	0.065	0.070	0.079	0.074	0.054	0.065	0.061	10	0.060	0.063	0.066	0.063	0.070	0.063
26-Aug-00	0.050	0.041	0.035	0.033	0.029	0.030	0.033	0.038	0.038	0.036	0.050	0.046	0.051	0.046	0.038	11	0.037	0.039	0.036	0.037	0.051	0.042
27-Aug-00	0.048	0.055	0.057	0.052	0.056	0.052	0.054	0.063	0.062	0.066	0.077	0.080	0.063	0.051	0.058	10	0.062	0.065	0.071	0.066	0.071	0.053
28-Aug-00	0.063	0.077	**0.082**	0.075	0.076	0.066	0.078	**0.085**	**0.081**	**0.083**	0.084	0.083	0.061	0.067	0.072	11	0.057	0.062	0.062	0.064	0.079	0.062
29-Aug-00	0.073	**0.080**	0.080	**0.092**	0.074	**0.072**	0.071	**0.090**	**0.083**	**0.083**	0.072	0.077	0.054	**0.076**	**0.090**	**10**	**0.090**	0.074	0.068	0.070	0.072	0.076
30-Aug-00	**0.103**	**0.092**	**0.098**	**0.087**	**0.098**	**0.075**	**0.090**	**0.091**	**0.092**	0.080	0.082	0.083	0.061	**0.086**	0.081	11	0.076	0.069	0.074	0.058	0.068	0.078
31-Aug-00	0.078	0.073	0.078	0.066	0.074	0.055	0.074	0.077	0.076	0.077	**0.099**	**0.087**	**0.076**	0.068	0.071	10	0.060	0.062	0.070	0.054	**0.083**	0.073
1-Sep-00	0.078	0.074	0.076	0.059	**0.088**	0.061	**0.080**	0.077	**0.085**	0.078	**0.096**	**0.085**	0.062	0.065	0.073	10	0.061	0.064	0.070	0.058	0.072	0.070
2-Sep-00	0.080	0.075	0.075	0.065	**0.089**	0.065	**0.083**	0.069	0.080	0.069	**0.085**	0.074	0.071	0.058	0.068	9	0.054	0.057	0.066	0.047	0.058	0.063
3-Sep-00	0.072	**0.081**	**0.084**	**0.087**	0.073	**0.081**	**0.083**	**0.088**	0.074	0.076	0.068	0.072	0.045	0.060	**0.086**	**9**	**0.078**	**0.078**	0.075		0.059	0.062
17-Sep-00	0.057	0.053	0.054	0.049	0.064	0.045	0.053	0.060	0.053	0.062	0.059	0.064	0.063	0.058	0.053	10	0.055	0.057	0.059	0.058	0.059	0.061
18-Sep-00	0.063	0.071	0.071	0.054	0.069	0.047	0.058	0.065	0.062	0.068	0.077	0.069	0.062	0.069	0.055	10	0.062	0.045	0.056	0.053	0.077	0.077
19-Sep-00	**0.086**	0.078	0.073	0.057	0.071	0.056	0.063	0.064	0.070	0.073	0.069	0.070	0.073	**0.076**	0.062	18	0.070	0.064	0.053	0.058	0.077	0.079
1-Oct-00	0.068	0.067	0.064	0.055	0.064	0.052	0.055	0.063	0.057	0.068	0.070	0.070	0.073	0.063	0.062	9	0.062	0.065	0.059	0.062	0.070	0.073
2-Oct-00	0.066	0.058	0.054	0.041	0.055	0.031	0.044	0.055	0.049	0.056	0.064	0.064	**0.076**	0.060	0.049	9	0.055	0.050	0.046	0.054	0.065	0.070
3-Oct-00	0.063	0.060	0.061	0.052	0.060	0.040	0.049	0.056	0.051	0.061	0.066	0.063	0.063	0.057	0.054	9	0.059	0.058	0.047	0.041	0.064	0.075

Table 2 Kansas City Ozone Episodes-2000-2003

	Watkins Mill	Liberty	KCI	RG South	Rocky Creek	Mine Creek	Wyandotte	WOF	El Dorado
22-Jun-02	0.076	0.082	0.068	0.080	0.074	0.075	0.07		0.081
23-Jun-02	0.073	0.082	0.080	0.080	0.081	0.073	0.078		**0.088**
24-Jun-02	0.069	0.080	0.080	0.063	0.082	0.053	0.069		0.046
25-Jun-02	0.072	0.075	0.060	0.064	0.073	0.051	0.063		0.046
26-Jun-02	0.072	0.080	0.064	0.063	0.070	0.056	0.067		0.059
27-Jun-02	0.058	0.065	0.056	**0.083**	0.059	0.056	0.063		0.062
5-Jul-02	0.057	0.063	0.062	0.054	0.068				0.067
6-Jul-02	0.078	0.084	0.082	0.074	**0.089**				**0.083**
7-Jul-02	0.077	**0.085**	0.072	0.065	0.079				0.064
8-Jul-02	**0.086**	**0.094**	0.068	0.073	0.080				0.081
13-Jul-02	0.072	0.073	0.065	0.075	0.069				0.065
14-Jul-02	0.077	0.079	0.073	**0.083**	0.078				0.074
15-Jul-02	0.080	0.083	**0.092**	0.081	**0.088**				0.070
16-Jul-02	0.078	0.081	**0.085**	0.072	**0.086**				0.061
25-Jul-02	0.078	0.078	0.063	0.065	0.075				0.071
26-Jul-02	0.078	0.080	0.072	0.063	**0.086**				0.062
29-Jul-02	0.059	0.069	0.061	0.063	0.067				0.059
30-Jul-02	0.076	0.077	0.079	0.067	**0.089**				0.056
4-Aug-02	0.068	0.069	0.054	0.058	0.070				0.062
5-Aug-02	**0.091**	**0.102**	0.073	0.073	**0.097**				0.070
8-Aug-02	0.058	0.063	0.061	0.072	0.065				0.070
9-Aug-02	**0.085**	**0.089**	**0.085**	0.080	**0.091**				**0.089**
2-Sep-02	0.070	0.073	0.061	0.071	0.069				0.074
3-Sep-02	0.042	0.044	0.045	0.058	0.048				**0.082**
4-Sep-02	0.067	0.072	0.071	**0.083**	0.075				0.061
5-Sep-02	0.067	0.074	0.084	0.075	**0.085**				0.061
6-Sep-02	0.075	0.082	0.081	0.079	**0.091**				0.069
7-Sep-02	**0.083**	**0.087**	**0.088**	**0.088**	**0.094**				0.073
27-Apr-01	0.067	0.066	0.062	0.059		0.027	0.059	0.066	0.073
28-Apr-01	0.070	0.073	0.074	0.068		0.059	0.071	0.071	**0.075**
15-May-01	0.058	0.061	0.054	0.051		0.056	0.051	0.059	0.059
16-May-01	**0.074**	0.078	0.069	0.051		0.048	0.059	0.070	0.057
16-Jun-01	0.066	0.069	0.059	0.053		0.066	0.057	0.067	0.064
17-Jun-01	0.062	0.065	0.060	0.058		**0.076**	0.060	0.068	0.063
18-Jun-01	**0.073**	0.076	0.068	0.071		0.057	0.066	**0.079**	0.071
26-Jun-01	0.069	0.077	0.073	0.063		0.054	0.068	0.068	0.070
27-Jun-01	0.060	0.070	**0.079**	0.065		0.035	0.063	0.069	0.067
30-Jun-01	0.063	0.068	0.064	0.059		0.053	0.068	0.076	0.051
1-Jul-01	0.049	0.060	0.056	**0.078**		0.051	0.058	0.064	0.056
2-Jul-01	0.039	0.046	0.062	0.050		0.057	0.054	0.057	0.053
3-Jul-01	0.063	0.067	0.052	0.052		0.069	0.053	0.063	0.056
4-Jul-01	0.059	0.068	0.069	0.056		0.058	**0.083**	**0.077**	0.057
16-Jul-01	0.059	0.062	0.058	0.048		0.050	0.049	0.061	0.051
17-Jul-01	**0.085**	**0.088**	0.061	0.060		0.059	0.066	**0.077**	0.067
1-Aug-01	0.060	0.060	0.051	0.053		0.053	0.049	0.060	0.053
2-Aug-01	**0.083**	**0.087**	0.063	0.058		0.049	0.066	**0.077**	0.052
3-Aug-01	0.049	0.055	0.058	0.060		0.057	0.061	0.055	0.063
4-Aug-01	0.061	0.072	**0.087**	**0.072**		0.053	**0.079**	**0.077**	0.066
5-Aug-01	0.056	0.067	**0.092**	0.060		0.055	**0.082**	**0.079**	0.056
11-Aug-01	0.045	0.051	0.044	0.057		0.069	0.054	0.055	0.049
12-Aug-01	0.060	0.068	0.065	**0.075**		0.066	0.063	0.072	0.059
14-Aug-01	0.051	0.045	0.056	0.055		0.062	0.050	0.050	0.052
15-Aug-01	0.046	0.049	0.045	0.050		0.055	0.043	0.048	**0.077**

Table 2 Kansas City Ozone Episodes-2000-2003

	Watkins Mill	Liberty	KCI	RG South	Rocky Creek	Mine Creek	Wyandotte	WOF	El Dorado
18-Aug-01	0.039	0.043	0.039	0.051		0.059	0.042	0.046	0.062
19-Aug-01	0.045	0.049	0.043	0.061		**0.078**	0.049	0.047	0.052
1-Oct-01	0.058	0.055	0.052	0.057		0.063	0.048	0.053	0.061
2-Oct-01	0.062	0.060	0.055	0.063		0.071	0.053	0.061	**0.077**
3-Oct-01	0.069	0.069	0.059	0.069		0.072	0.059	0.064	**0.075**
4-Oct-01	0.032	0.033	0.029	0.047		**0.080**	0.028	0.028	0.060
4-Apr-00	0.047	0.046	0.048	0.034		0.052	0.048	0.044	0.048
5-Apr-00	0.058	0.061	0.057	0.066		**0.092**	0.061	0.058	0.064
22-May-00	0.071	0.071	0.065	0.062		0.067	0.065	0.067	0.067
23-May-00	0.045	0.040	0.043	0.055		0.075	0.043	0.040	0.076
28-May-00	0.057	0.058	0.057	0.060			0.061	0.059	0.056
29-May-00	0.076	0.078	0.069	0.066			0.073	0.072	0.064
30-May-00	0.073	0.072	0.062	0.061			0.063	0.065	0.070
31-May-00	0.064	0.064	0.053	0.056			0.057	0.056	0.070
1-Jun-00	0.074	0.074	0.057	0.063			0.059	0.064	0.076
7-Jun-00	0.061	0.062	0.061	0.060		0.067	0.061	0.058	0.066
8-Jun-00	0.083	**0.085**	0.076	0.069		0.076	0.078	0.074	0.073
13-Jul-00	0.044	0.050	0.052	0.052		0.052	0.066	0.055	0.047
14-Jul-00	0.067	0.082	0.077	0.060		0.058	**0.087**	**0.088**	0.068
15-Jul-00	0.045	0.049	0.063	0.068		0.080	0.062	0.055	0.068
16-Jul-00	0.075	0.074	**0.090**	0.049		0.072	**0.087**	0.075	0.077
25-Jul-00	0.049	0.055	0.061	0.066		0.059	0.056	0.054	0.056
26-Jul-00	0.058	0.067	0.069	0.078		0.073	0.066	0.063	0.061
3-Aug-00	0.045	0.054	0.053	0.059		0.064	0.059	0.046	0.069
4-Aug-00	0.057	0.059	0.057	0.067		0.080	0.054	0.049	0.072
14-Aug-00	0.065	0.066	0.060	0.072		0.074	0.054	0.054	0.069
15-Aug-00	**0.098**	**0.100**	0.084	**0.090**		**0.088**	0.082	**0.089**	**0.097**
16-Aug-00	0.079	0.082	**0.085**	0.079		0.079	0.075	0.078	**0.087**
21-Aug-00	0.058	0.066	0.059	0.068		0.067	0.051	0.053	0.079
22-Aug-00	0.065	0.068	0.061	0.076		0.077	0.055	0.061	**0.085**
23-Aug-00	0.079	0.083	0.074	**0.084**		**0.081**	0.074	0.080	**0.094**
24-Aug-00	0.076	**0.087**	**0.090**	0.080			**0.088**	**0.086**	**0.095**
25-Aug-00	0.063	0.071	0.074	0.075			0.083	0.078	**0.096**
26-Aug-00	0.072	0.083	0.075	0.067			0.073	0.083	0.080
27-Aug-00	**0.087**	**0.098**	**0.094**	0.065			**0.088**	**0.094**	0.071
28-Aug-00	0.067	0.069	0.057	0.061			0.057	0.061	0.069
29-Aug-00	0.038	0.049	0.039	**0.099**			0.058	0.052	0.079
30-Aug-00	0.076	**0.088**	0.079	0.081			0.074	0.082	**0.087**
31-Aug-00	0.077	0.080	0.064	0.065		0.061	0.058	0.069	0.071
1-Sep-00	0.064	0.077	0.063	**0.099**		0.073	0.081	0.082	0.079
2-Sep-00	**0.086**	**0.103**	**0.093**	0.080		0.076	0.081	**0.090**	0.082
6-Sep-00	0.058	0.055	0.054	0.067		0.064	0.051	0.051	0.063
7-Sep-00	0.084	**0.091**	0.073	0.082		0.076	0.072	0.076	0.068
17-Sep-00	0.073	0.080	0.076	0.061		0.071	0.070	0.072	0.071
18-Sep-00	0.071	0.072	0.063	0.059		0.073	0.063	0.066	0.071
19-Sep-00	0.069	0.073	0.068	0.072		**0.096**	0.069	0.068	**0.086**
30-Sep-00	0.068	0.071	0.068	0.064		0.077	0.062	0.063	0.073
1-Oct-00	0.072	0.076	0.072	0.068		0.080	0.070	0.073	0.081
2-Oct-00	0.079	0.083	0.075	0.069		0.073	0.076	0.075	0.069

Table 3 Ozone Concentrations Greater Than 85 Parts Per Billion					
Meteorological Regime #1					
Date	**Concentration (PPB)**	**Site**	**Date**	**Concentration (PPB)**	**Site**
St. Louis			***St. Louis***		
July 7, 2000	93	Sunset Hills	August 9, 2002	100	West Alton
July 7, 2000	88	Ladue	August 9, 2002	98	Sunset Hills/Orchard Farm
July 7, 2000	85	Queeny Park	August 9, 2002	94	Margaretta
July 7, 2000	85	Margaretta	August 9, 2002	93	Ferguson/Alton/Queeny Park
July 26, 2000	88	West Alton	August 9, 2002	92	Bonne Terre
July 26, 2000	87	Ferguson	August 9, 2002	91	Breckenridge Hills
August 31, 2000	99	Orchard Farm	August 9, 2002	90	Jerseyville
August 31, 2000	87	West Alton	August 9, 2002	89	Arnold/E. St. L
September 6, 2000	94	Bonne Terre	August 9, 2002	85	Houston/Maryville
September 6, 2000	92	Sunset Hills	September 1, 2002	90	West Alton
September 6, 2000	91	Arnold	September 1, 2002	86	Alton
September 6, 2000	90	Queeny Park/Ladue	***Kansas City***		
September 6, 2000	88	Alton	August 5, 2001	92	KCI
September 6, 2000	87	Maryville	July 6, 2002	89	Rocky Creek
September 6, 2000	86	Margaretta/West Alton	July 7, 2002	85	Liberty
September 6, 2000	85	Houston	August 9, 2002	91	Rocky Creek
September 8, 2000	91	Orchard Farm	August 9, 2002	89	Liberty/El Dorado
June 25, 2001	91	Jerseyville	August 9, 2002	85	Watkins Mill/KCI
June 25, 2001	90	Orchard Farm	September 7, 2002	94	Rocky Creek
June 25, 2001	89	West Alton	September 7, 2002	88	KCI/RGS
July 21, 2001	85	West Alton	September 7, 2002	87	Liberty
June 19, 2002	91	Jerseyville			
June 19, 2002	90	West Alton			
June 19, 2002	87	Alton			
June 19, 2002	86	Orchard Farm/Houston			
June 20, 2002	100	Jerseyville			
June 20, 2002	94	West Alton			
June 20, 2002	91	Orchard Farm			
June 20, 2002	88	Breckenridge Hills			
June 20, 2002	87	Nilwood			
June 20, 2002	86	Alton			
June 21, 2002	110	Jerseyville			
June 21, 2002	100	West Alton			
June 21, 2002	96	Breckenridge Hills/Orchard Farm			
June 21, 2002	95	Ferguson			
June 21, 2002	94	Alton			
June 21, 2002	90	Sunset Hills			
June 21, 2002	89	Nilwood			
June 21, 2002	88	Maryville			
June 21, 2002	85	Arnold/Margaretta			

Table 3 Ozone Concentrations Greater Than 85 Parts Per Billion					
Meteorological Regime #2					
Date	**Concentration (PPB)**	**Site**	**Date**	**Concentration (PPB)**	**Site**
St. Louis			***St. Louis***		
July 8, 2002	119	Maryville	August 23, 2000	85	Alton/Margaretta
July 8, 2002	111	Margaretta	September 2, 2000	89	Queeny Park
July 8, 2002	110	Ferguson	September 2, 2000	85	Orchard Farm
July 8, 2002	104	Edwardsville	September 3, 2000	88	Margaretta
July 8, 2002	102	E. St. Louis	September 3, 2000	87	S. Broadway
July 8, 2002	99	West Alton	September 3, 2000	86	E. St. Louis
July 8, 2002	94	Breckenridge Hills	August 1, 2002	92	West Alton
July 8, 2002	93	S. Broadway	August 2, 2002	85	Alton
July 8, 2002	92	Alton	June 12, 2001	99	West Alton
July 8, 2002	91	Orchard Farm	June 12, 2001	94	Jerseyville
July 8, 2002	87	Ladue	June 12, 2001	90	Orchard Farm/Alton
July 8, 2002	86	Clark/Sunset Hills	June 8, 2001	98	Orchard Farm
July 9, 2002	90	Maryville	June 8, 2001	94	West Alton
June 22, 2002	111	West Alton/Orchard Farm	June 8, 2001	92	Jerseyville
June 22, 2002	109	Jerseyville	June 8, 2001	86	Breckenridge Hills
June 22, 2002	103	Breckenridge Hills/Margaretta	July 23, 2001	92	West Alton
June 22, 2002	102	Alton	July 23, 2001	87	Ferguson
June 22, 2002	99	Ferguson	July 23, 2001	85	Alton
June 22, 2002	98	Sunset Hills/Queeny Park/Ladue	June 18, 2001	91	Nilwood
June 22, 2002	96	Maryville	June 18, 2001	87	Alton
June 22, 2002	94	Bonne Terre/Arnold	June 8, 2000	88	Nilwood
June 22, 2002	93	Houston/E. St. Louis	June 8, 2000	86	West Alton
June 22, 2002	91	Edwardsville	June 9, 2000	91	Nilwood
August 10, 2002	90	West Alton/Wood River	September 3, 2001	86	Arnold
August 10, 2002	87	Margaretta	September 14, 2002	90	Maryville
August 10, 2002	86	Ferguson	September 14, 2002	89	Margaretta/E. St. Louis
August 10, 2002	85	Nilwood/Edwardsville	September 14, 2002	86	Sunset Hills/Ferguson/Edwardsville
June 22, 2002	90	Wood River/S. Broadway	May 30, 2000	86	Orchard Farm
June 22, 2002	88	Clark/Nilwood	May 31, 2000	89	Nilwood
June 23, 2002	101	Orchard Farm	May 31, 2000	87	West Alton
June 23, 2002	99	Jerseyville	July 25, 2002	85	West Alton/Alton
June 23, 2002	94	West Alton/Queeny Park	***Kansas City***		
June 23, 2002	93	Arnold/Breckenridge Hills/Alton	August 22, 2000	85	El Dorado
June 23, 2002	91	Sunset Hills	August 23, 2000	94	El Dorado
June 23, 2002	89	MTSP/Ladue/Maryville	September 2, 2000	103	Liberty
June 23, 2002	87	Edwardsville	September 2, 2000	93	KCI
June 23, 2002	86	MargarettaWood River	September 2, 2000	90	WOF
August 15, 2000	89	Maryville	September 2, 2000	86	Watkins Mill
August 15, 2000	87	E. St. Louis	August 5, 2002	102	Liberty
August 15, 2000	86	Margaretta	July 8, 2002	94	Liberty
August 22, 2000	88	West Alton	July 8, 2002	86	Watkins Mill
August 22, 2000	87	Jerseyville	August 2, 2001	87	Liberty
August 23, 2000	93	West Alton	September 7, 2000	91	Liberty
August 23, 2000	91	Edwardsville	June 23, 2002	88	El Dorado
August 23, 2000	89	Wood River	July 26, 2002	86	Rocky Creek
August 23, 2000	88	Maryville	June 8, 2000	85	Liberty
August 23, 2000	86	Ferguson			

Table 3 Ozone Concentrations Greater Than 85 Parts Per Billion					
Meteorological Regime #3					
Date	**Concentration (PPB)**	**Site**	**Date**	**Concentration (PPB)**	**Site**
St. Louis			***Kansas City***		
July 5, 2002	109	Sunset Hills	August 30, 2000	88	Liberty
July 5, 2002	98	Queeny Park	August 30, 2000	87	El Dorado
July 5, 2002	94	Ladue	September 17, 2000	96	Mine Creek
July 5, 2002	88	West Alton	September 17, 2000	86	El Dorado
July 5, 2002	87	S. Broadway	August 30, 2000	88	Liberty
July 5, 2002	86	Margaretta	August 30, 2000	87	El Dorado
July 5, 2002	85	Arnold			
September 10, 2002	91	Houston			
September 10, 2002	87	Bonne Terre			
August 16, 2000	109	Bonne Terre			
August 16, 2000	89	Queeny Park			
August 30, 2000	103	Bonne Terre			
August 30, 2000	98	Sunset Hills/Queeny Park			
August 30, 2000	92	Breckenridge Hills/Arnold			
August 30, 2000	91	Margaretta			
August 30, 2000	90	Ladue			
August 30, 2000	87	S. Broadway			
August 30, 2000	86	Houston			
September 13, 2001	99	Bonne Terre			
July 20, 2002	92	Margaretta			
July 20, 2002	91	Alton			
July 20, 2002	86	Ladue/E. St. Louis			
September 4, 2001	90	Bonne Terre/Arnold			
September 19, 2000	86	Bonne Terre			

Table 3 Ozone Concentrations Greater Than 85 Parts Per Billion					
Meteorological Regime #4					
Date	**Concentration (PPB)**	**Site**	**Date**	**Concentration (PPB)**	**Site**
St. Louis			***Kansas City***		
July 13, 2002	89	Sunset Hills	July 15, 2002	92	KCI
July 13, 2002	88	Arnold	July 15, 2002	88	Rocky Creek
July 13, 2002	86	Ladue	July 16, 2002	86	Rocky Creek
July 13, 2002	85	Bonne Terre	July 16, 2002	85	KCI
July 14, 2002	97	Sunset Hills	July 17, 2001	88	Liberty
July 14, 2002	93	Arnold/Ladue	July 17, 2001	85	Watkins Mill
July 14, 2002	90	Margaretta/S. Broadway			
July 14, 2002	87	MTSP			
July 14, 2002	86	Bonne Terre			
July 14, 2002	85	West Alton/Alton/E. St. Louis			
July 15, 2002	114	Sunset Hills			
July 15, 2002	109	Margaretta			
July 15, 2002	105	Ladue			
July 15, 2002	103	S. Broadway/E. St. Louis			
July 15, 2002	101	Arnold			
July 15, 2002	97	Queeny Park			
July 15, 2002	96	Ferguson/Edwardsville			
July 15, 2002	94	Alton			
July 15, 2002	92	West Alton			
July 15, 2002	90	Breckenridge Hills			
July 15, 2002	88	Maryville/Orchard Farm			
July 15, 2002	87	Clark/MTSP			
July 16, 2002	93	West Alton			
July 16, 2002	90	Orchard Farm/Alton			
July 16, 2002	88	Jerseyville			
July 16, 2002	87	Alton			
July 16, 2002	85	MTSP			
August 10, 2000	90	Bonne Terre			
August 4, 2001	91	Sunset Hills			
August 4, 2001	90	Arnold			
August 4, 2001	86	Queeny Park/Ladue			
August 6, 2001	89	Orchard Farm			
August 6, 2001	87	Queeny Park			
August 6, 2001	86	Arnold			
August 7, 2001	88	MTSP			
August 14, 2000	91	West Alton			

Table 3 Ozone Concentrations Greater Than 85 Parts Per Billion					
Meteorological Regime #5					
Date	**Concentration (PPB)**	**Site**	**Date**	**Concentration (PPB)**	**Site**
St. Louis			***Kansas City***		
August 28, 2000	85	Margaretta	August 29, 2000	99	RGS
August 29, 2000	92	S. Broadway	July 30, 2002	89	Rocky Creek
August 29, 2000	90	Margaretta/E. St. Louis			
September 1, 2000	96	Orchard Farm			
September 1, 2000	88	Queeny Park			
September 1, 2000	85	Breckenridge Hills/West Alton			
July 30, 2002	90	Queeny Park			
August 12, 2001	88	Sunset Hills			
August 12, 2001	85	Arnold			

Table 3 Ozone Concentrations Greater Than 85 Parts Per Billion					
Meteorological Regime #6					
Date	**Concentration (PPB)**	**Site**	**Date**	**Concentration (PPB)**	**Site**
St. Louis			***Kansas City***		
August 2, 2002	85	Arnold	August 24, 2000	95	El Dorado
August 3, 2002	93	Alton	August 24, 2000	90	KCI
August 3, 2002	89	West Alton	August 24, 2000	87	Liberty
August 3, 2002	88	Ferguson/Orchard Farm	August 24, 2000	86	WOF
August 3, 2002	87	Breckenridge Hills	August 25, 2000	96	El Dorado
August 3, 2002	85	Sunset Hills/Arnold	August 27, 2000	98	Liberty
August 4, 2002	98	Margaretta	August 27, 2000	94	WOF/KCI
August 4, 2002	90	Maryville/Edwardsville	August 27, 2000	88	Wyandotte Cty
August 4, 2002	88	E. St. Louis	August 27, 2000	87	Watkins Mill
August 4, 2002	87	Alton/Ladue	September 1, 2000	99	RGS
			August 15, 2000	100	Liberty
			August 15, 2000	98	Watkins Mill
			August 15, 2000	97	El Dorado
			August 15, 2000	90	RGS
			August 15, 2000	89	WOF
			August 15, 2000	88	Mine Creek
			August 16, 2000	87	El Dorado
			August 16, 2000	85	KCI
			August 4, 2001	87	KCI
			July 14, 2000	88	WOF
			July 14, 2000	87	Wyandotte Cty
			July 15, 2000	90	KCI
			July 15, 2000	87	Wyandotte Cty

Table 3 Ozone Concentrations Greater Than 85 Parts Per Billion					
Meteorological Regime #7					
Date	**Concentration (PPB)**	**Site**	**Date**	**Concentration (PPB)**	**Site**
St. Louis					
July 2, 2002	88	Orchard Farm			
July 3, 2002	90	West Alton			
July 4, 2002	103	Ladue			
July 4, 2002	98	Sunset Hills/Margaretta			
July 4, 2002	94	E. St. Louis			
July 4, 2002	93	Breckenridge Hills			
July 4, 2002	90	Bonne Terre			
July 4, 2002	87	Alton/Ferguson			
July 4, 2002	85	Arnold			
September 7, 2002	114	Orchard Farm			
September 7, 2002	105	Jerseyville			
September 7, 2002	95	Alton			
September 7, 2002	94	West Alton			
September 7, 2002	93	Ferguson			
September 7, 2002	92	Breckenridge Hills			
September 7, 2002	90	Maryville			
September 7, 2002	91	Queeny Park			
September 7, 2002	87	Sunset Hills			
September 7, 2002	85	Ladue/Margaretta			
September 9, 2002	104	Arnold			
September 9, 2002	103	Sunset Hills			
September 9, 2002	93	Queeny Park			
September 9, 2002	92	Bonne Terre			
September 9, 2002	91	S. Broadway			
September 9, 2002	86	Ladue/Maryville			
August 14, 2000	91	West Alton			
September 12, 2001	86	Queeny Park			
June 9, 2001	88	Arnold/Sunset Hills			
July 25, 2001	86	Arnold			
July 16, 2001	89	Jerseyville			
July 16, 2001	88	Orchard Farm			
July 8, 2000	89	Orchard Farm			

Table 3 Ozone Concentrations Greater Than 85 Parts Per Billion					
Meteorological Regime #8					
Date	Concentration (PPB)	Site	Date	Concentration (PPB)	Site
Kansas City					
September 5, 2002	85	Rocky Creek			
September 6, 2002	91	Rocky Creek			

Table 4: Number of 8-hour Ozone Exceedances

St. Louis Area	1999	2000	2001	2002	Total
West Alton	19	8	4	20	51
Orchard Farm	13	5	4	14	36
Arnold	13	1	7	13	34
Alton	8	1	3	20	32
Sunset Hills	8	1	4	16	29
Newstead/Margaretta	4	6	0	17	27
Queeny Park	9	4	3	10	26
Bonne Terre	13	4	1	8	26
Jerseyville	12	1	3	9	25
St. Ann/Breckenridge	10	2	0	11	23
Ferguson	8	2	1	11	22
Ladue	4	1	1	15	21
Maryville	4	3	0	11	18
Edwardsville	7	1	0	8	16
East St. Louis	3	3	0	9	15
S. Broadway	4	3	0	6	13
Mark Twain	8	0	1	4	13
Nilwood	4	3	1	4	12
Wood River	3	1	1	3	8
Houston	2	1	0	5	8
Clark	2	0	0	3	5
Total St. Louis	158	51	34	217	460

Kansas City Area	1999	2000	2001	2002	Total
Liberty	3	7	2	5	17
El Dorado Springs	3	8	0	2	13
KCI	0	5	2	4	11
Rocky Creek				10	10
Watkins Mill	2	3	1	3	9
Worlds of Fun	1	5	0		6
RG/RG South	2	3	0	1	6
Mine Creek	3	3	0	0	6
Wyandotte CO	0	0	4	0	4
Total Kansas City	14	34	9	25	82

	1999	2000	2001	2002	Total
S. Charleston	2	1	0	0	3
Hillcrest	1	0	1	1	3

Figure 1: Back Trajectories for 8-Hour Ozone Exceedances (1996-98)

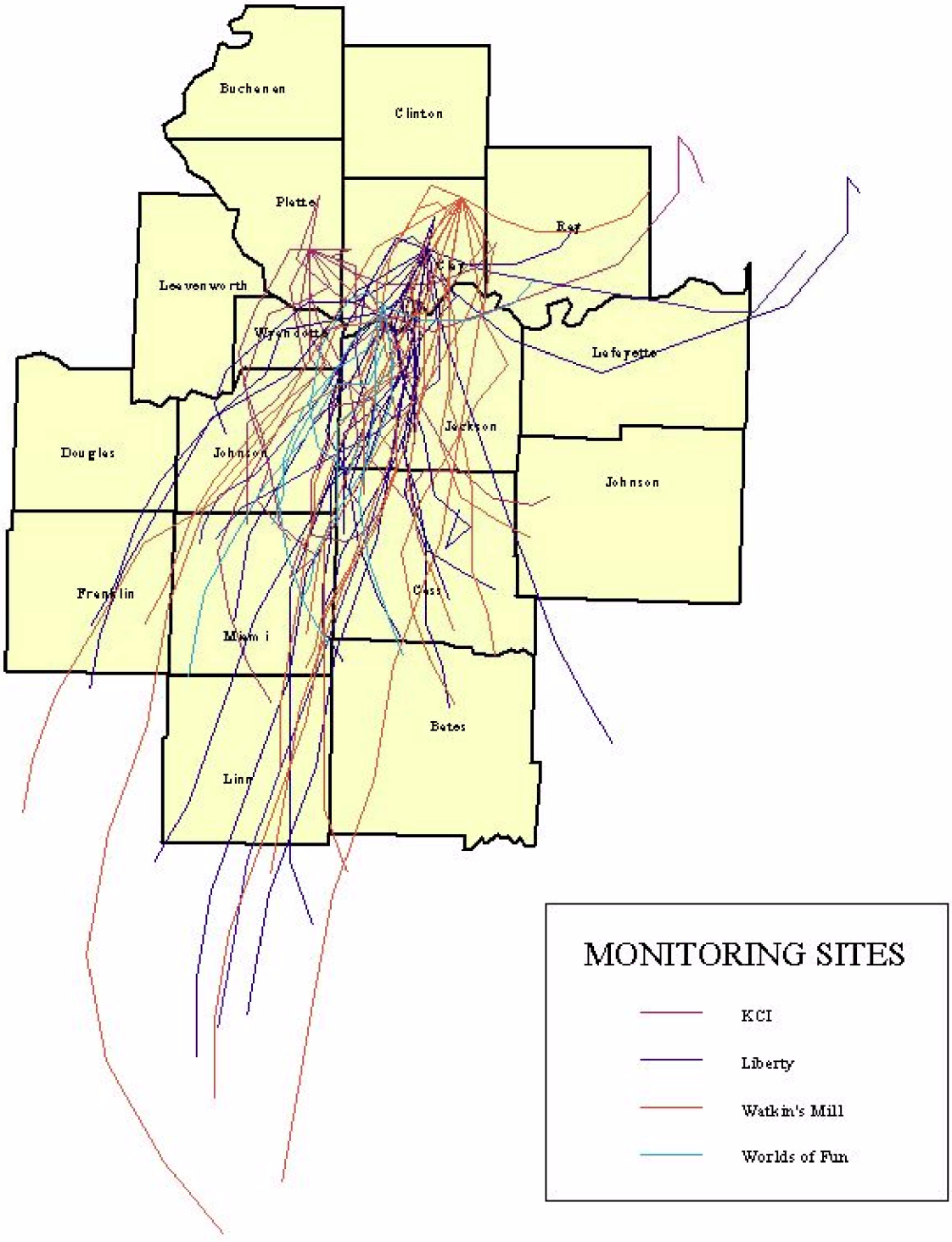

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Figure 2: Back Trajectories for 8-Hour Ozone Exceedance Days and VOC Sources > 25 TPY (1996-98)

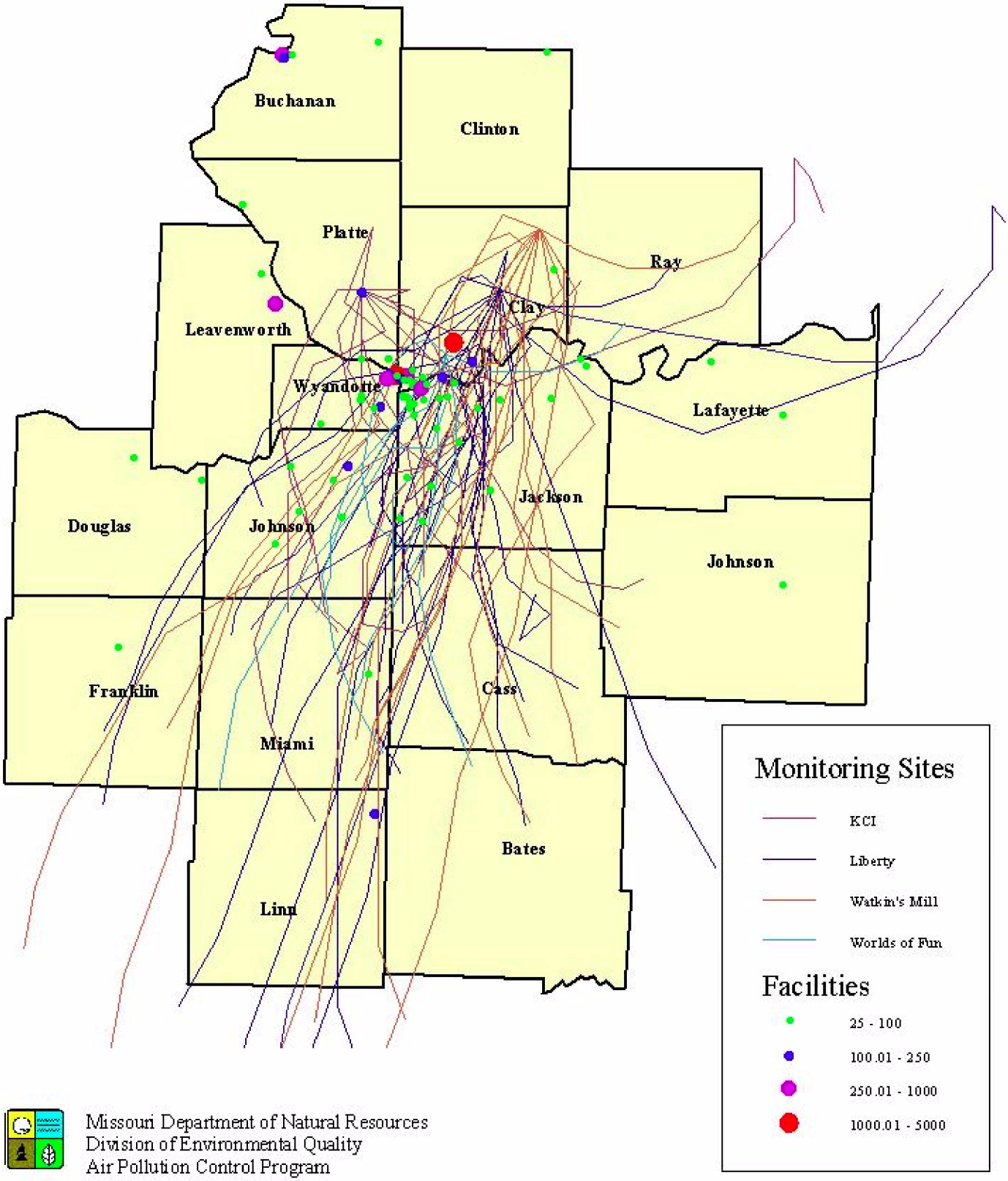

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Figure 3: Back Trajectories for 8-Hour Ozone Exceedance Days and NOx Sources > 25 TPY (1996-98)

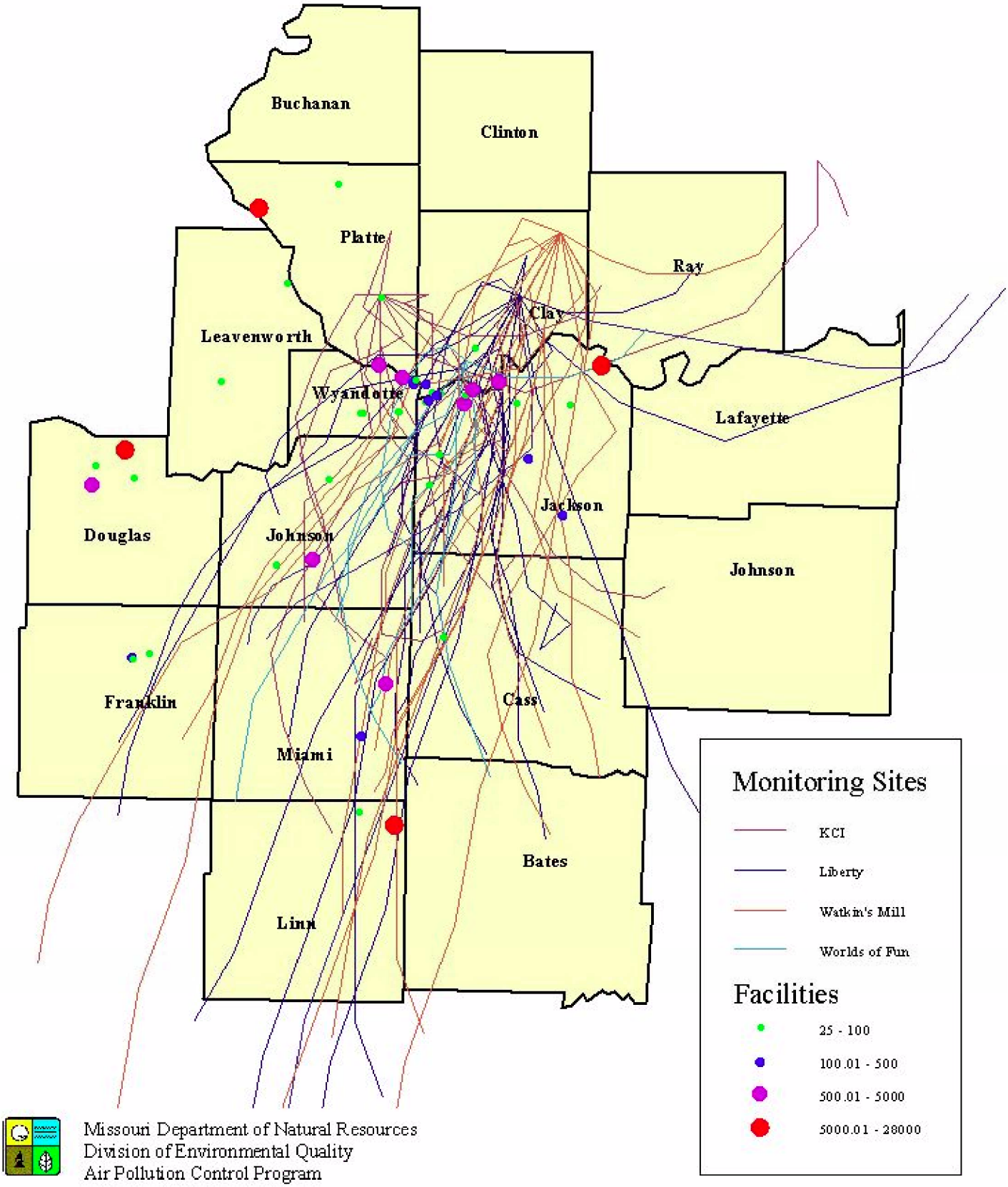

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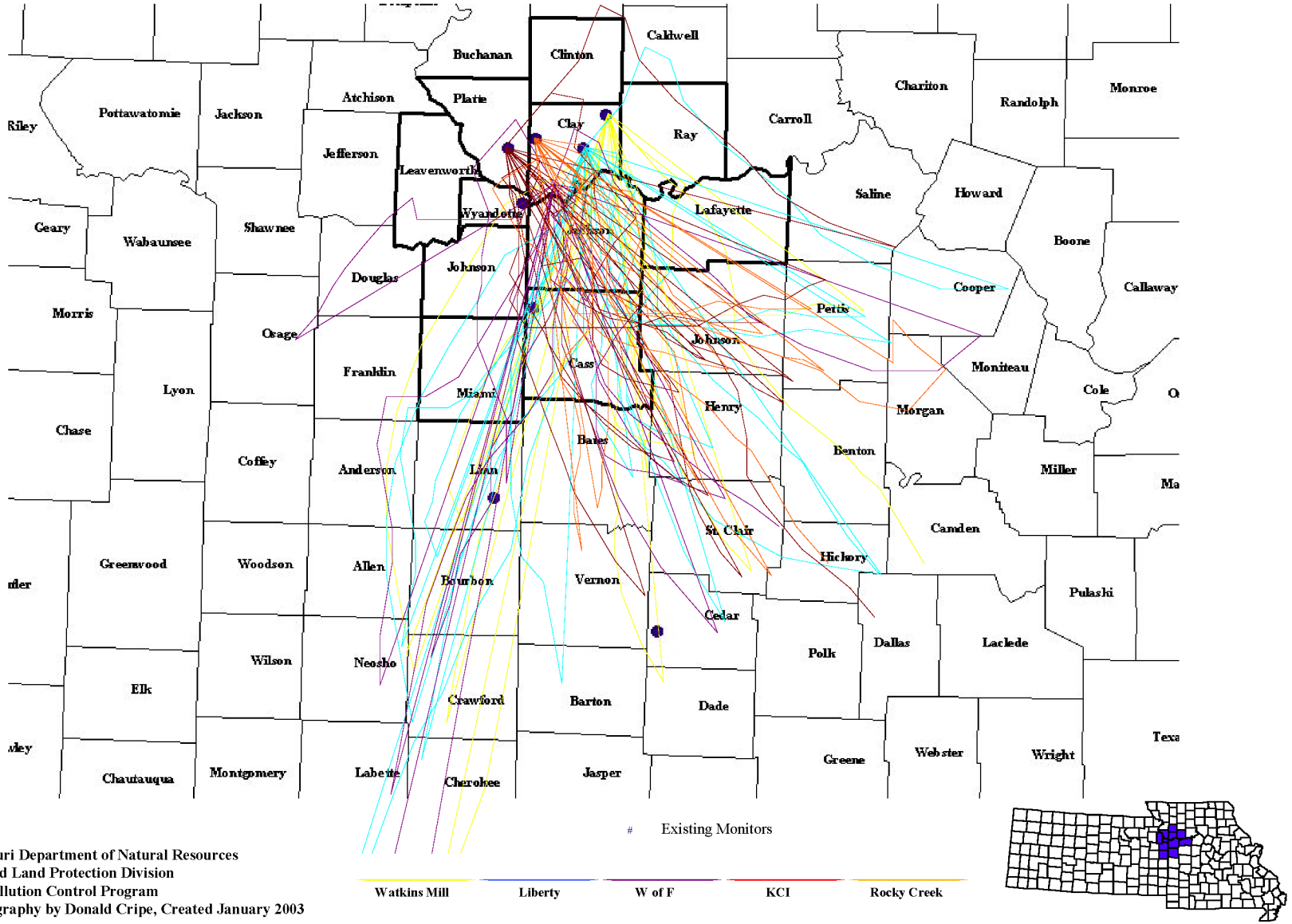
Figure 4: Kansas City Area 12 Hour Back Trajectories



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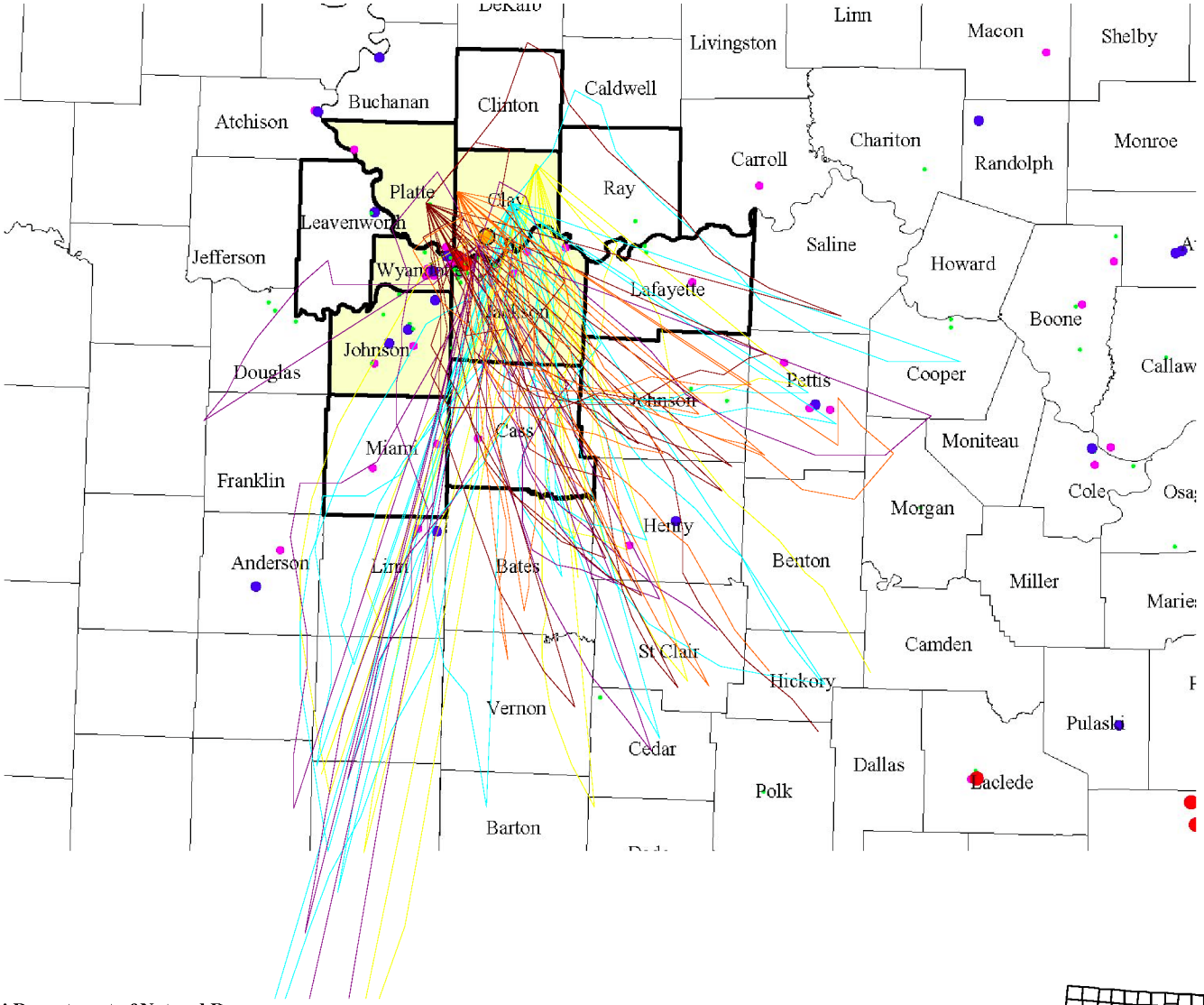
Air and Land Protection Division
Air Pollution Control Program
Cartography by Donald Cripe, Created January 2003

Figure 5: Kansas City Area 12 Hour Back Trajectories (Large VOC Sources)



Missouri Department of Natural Resources
Air and Land Protection Division
Air Pollution Control Program
Cartography by Donald Cripe, Created January 2003

Watkins Mill | Liberty | W of F | KCI | Rocky Creek

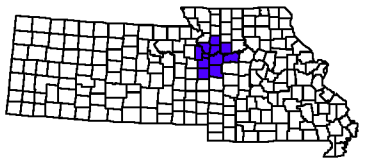
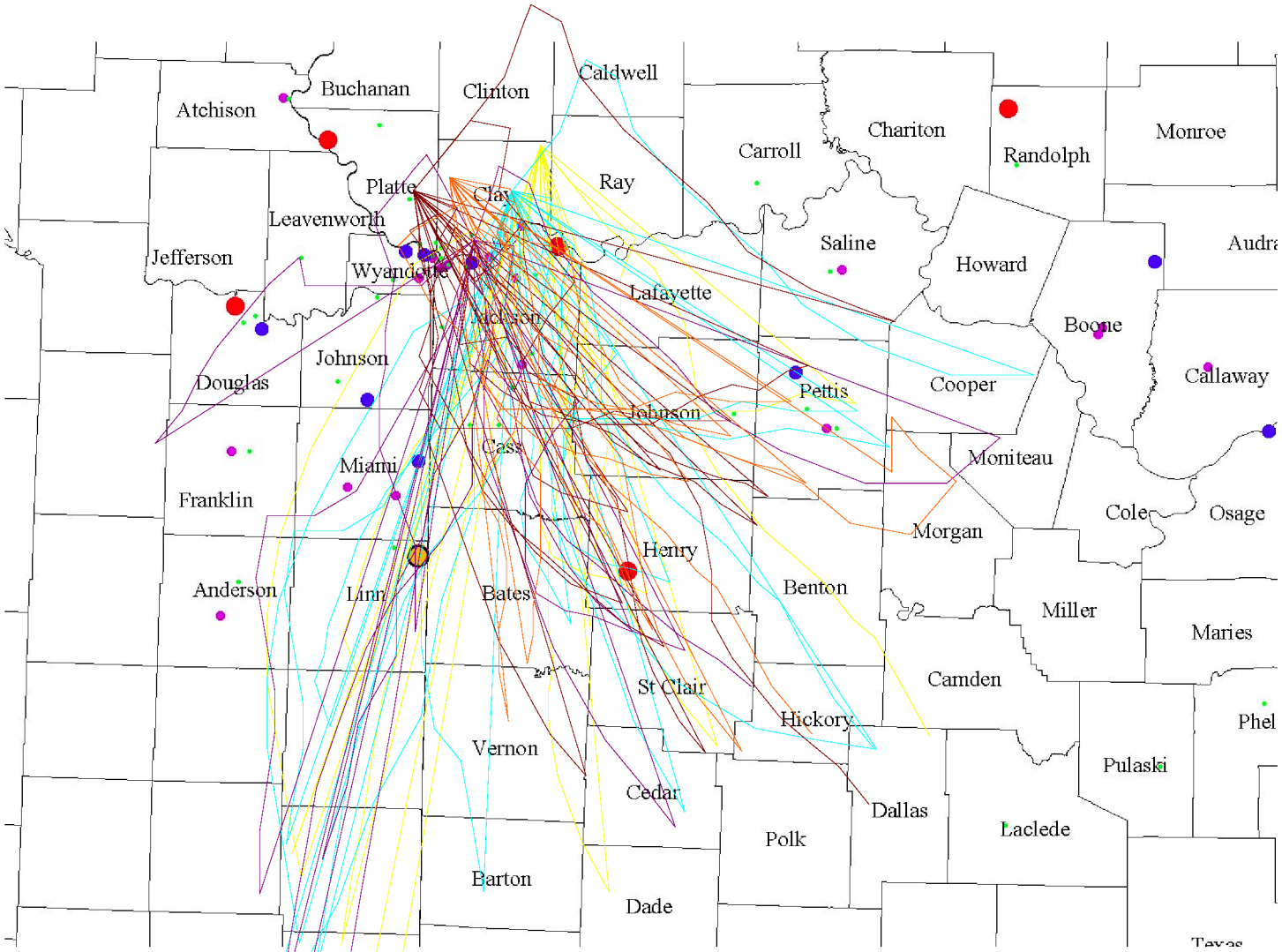
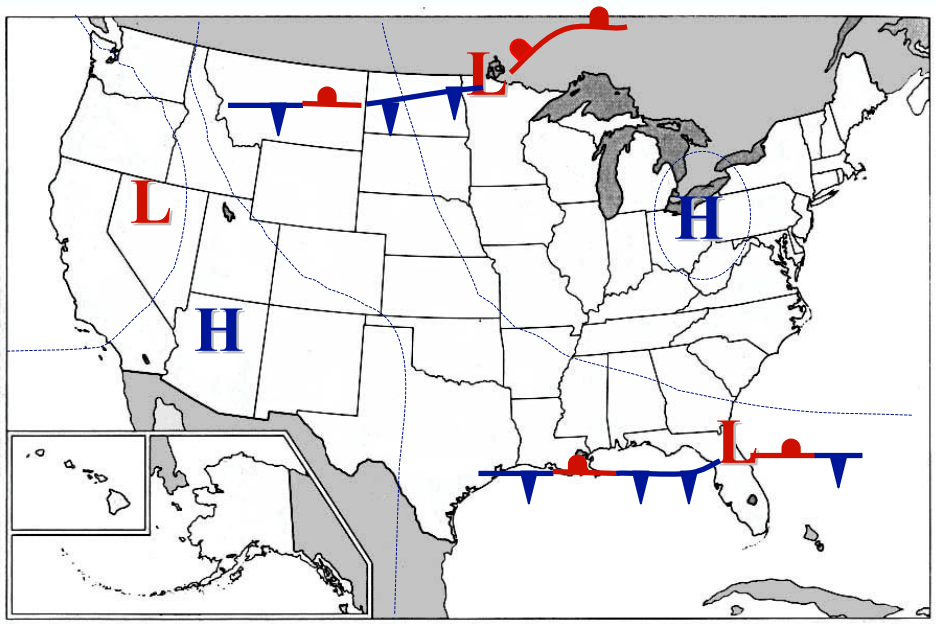


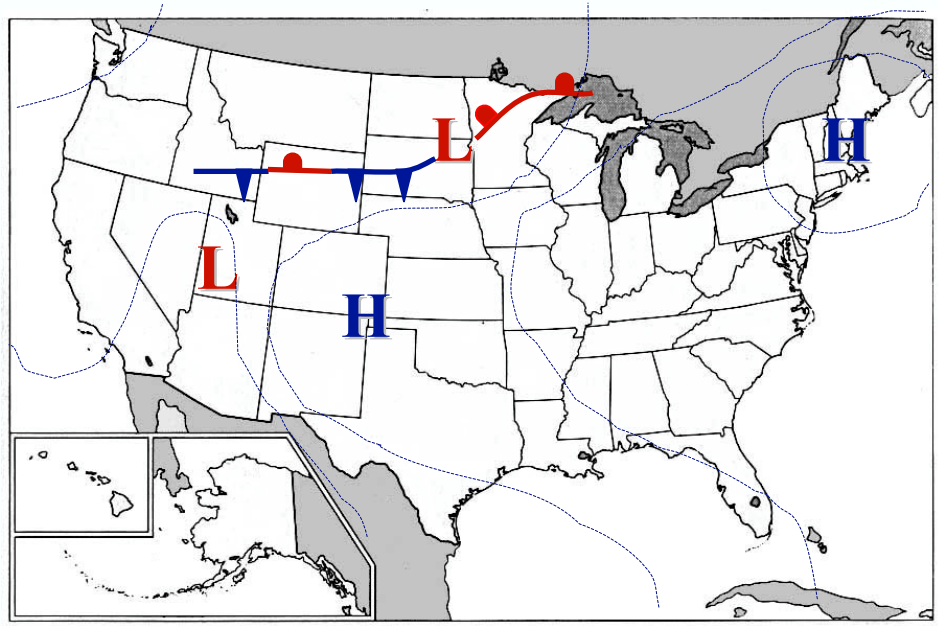
Figure 6: Kansas City Area 12 Hour Back Trajectories (Large NOx Sources)



Missouri Department of Natural Resources
Air and Land Protection Division
Air Pollution Control Program
Cartography by Donald Cripe, Created January 2003

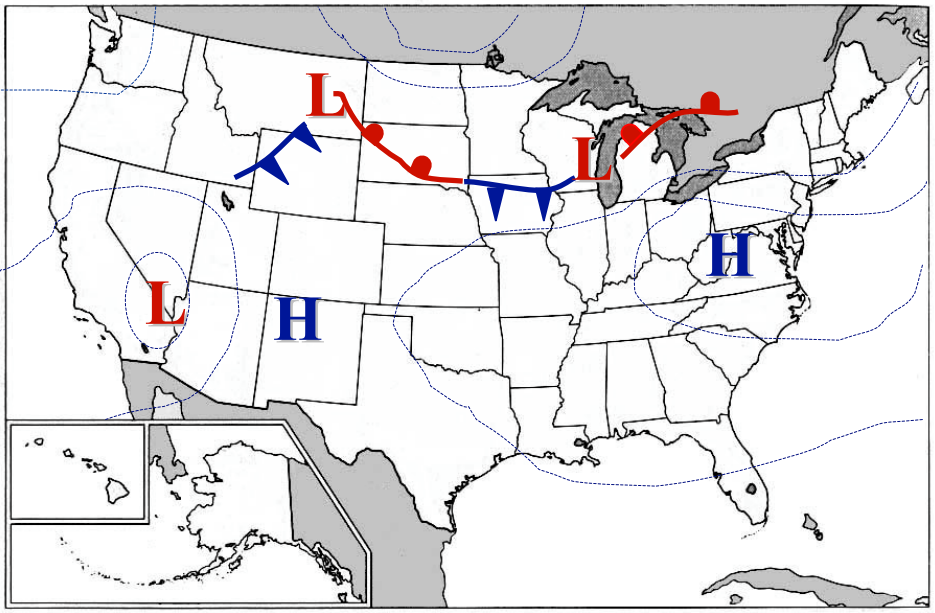
Meteorological Regime #1

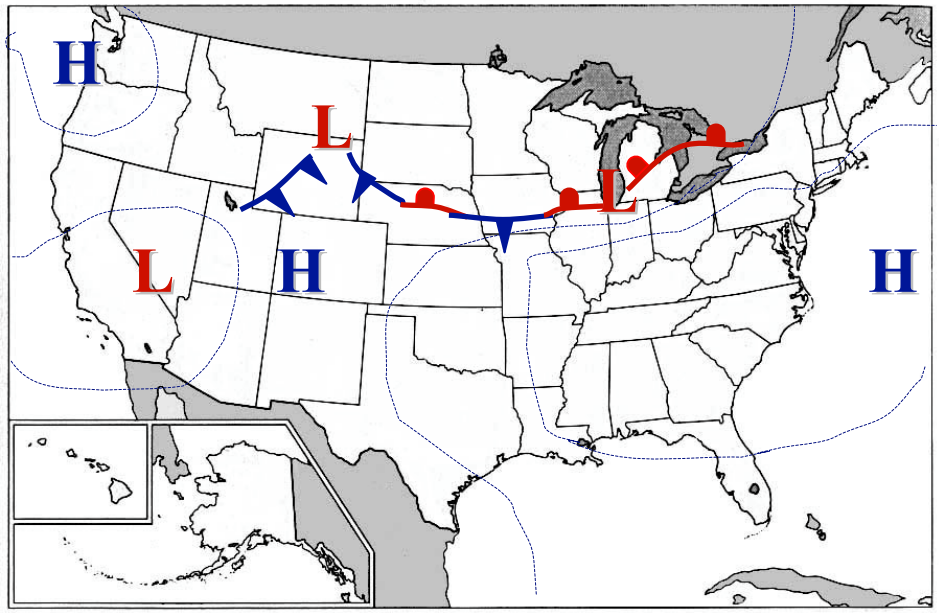




Developed by the Missouri Department of Natural Resources Air Pollution Control Program

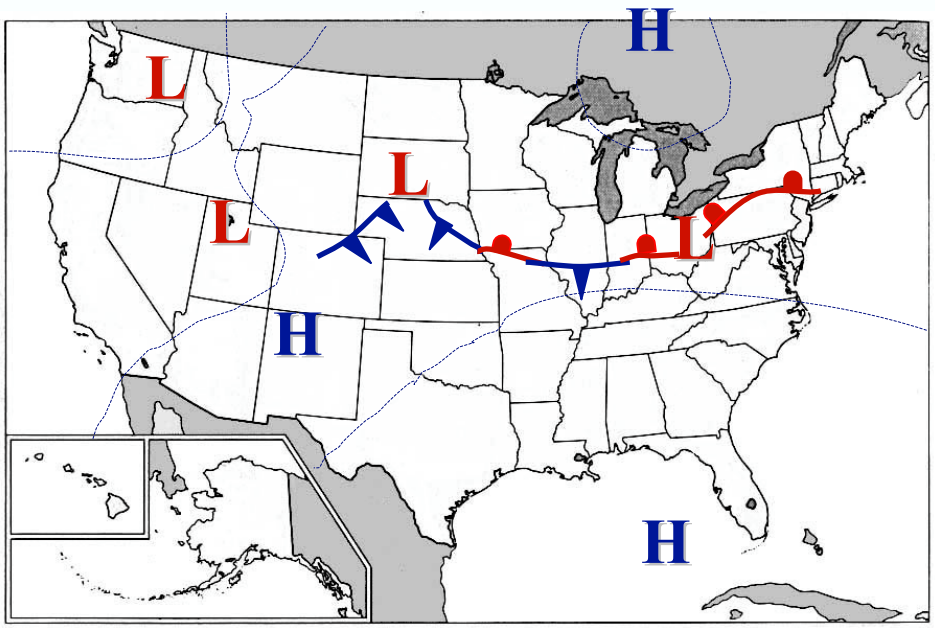
Meteorological Regime #2

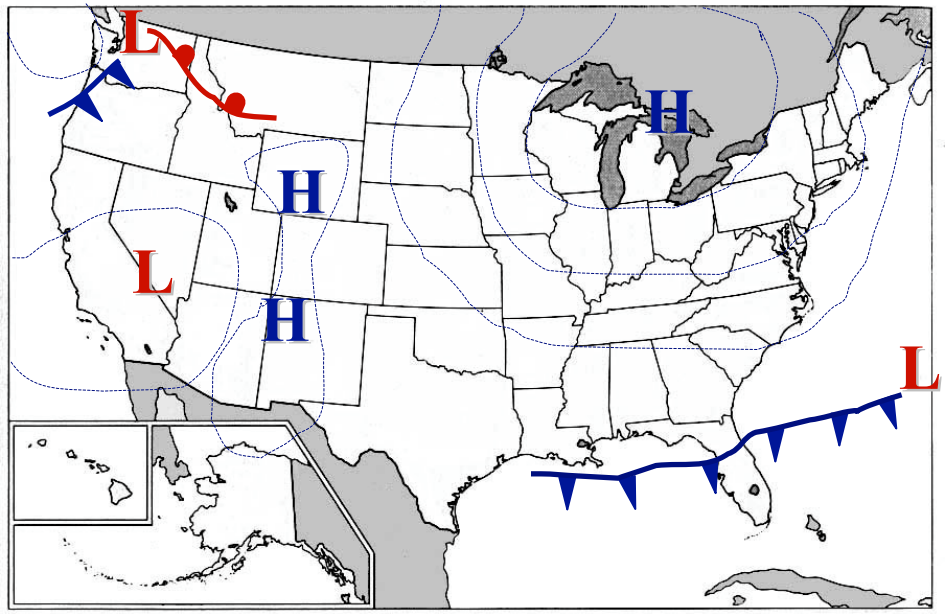




Developed by the Missouri Department of Natural Resources Air Pollution Control Program

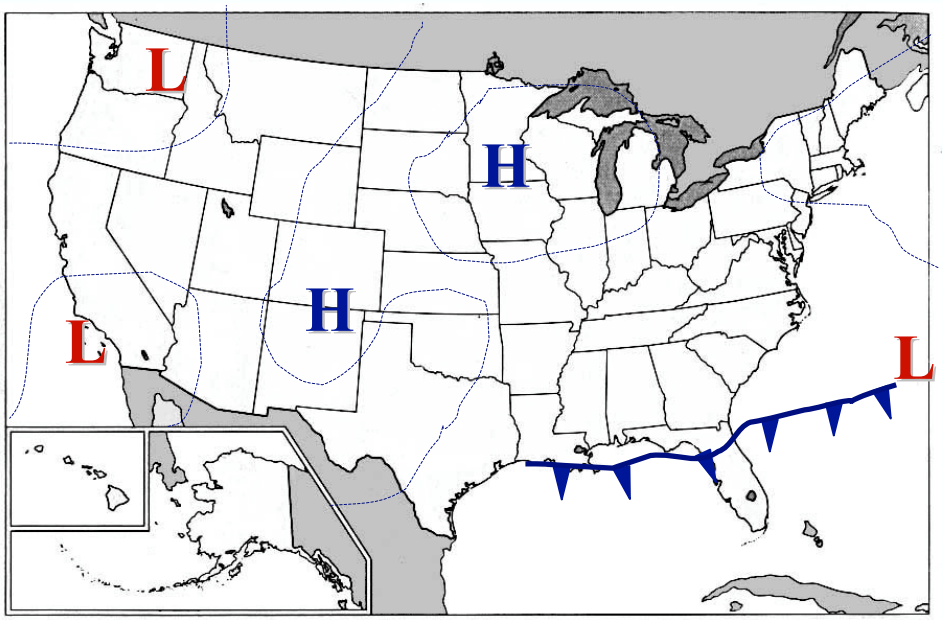
Meteorological Regime #3

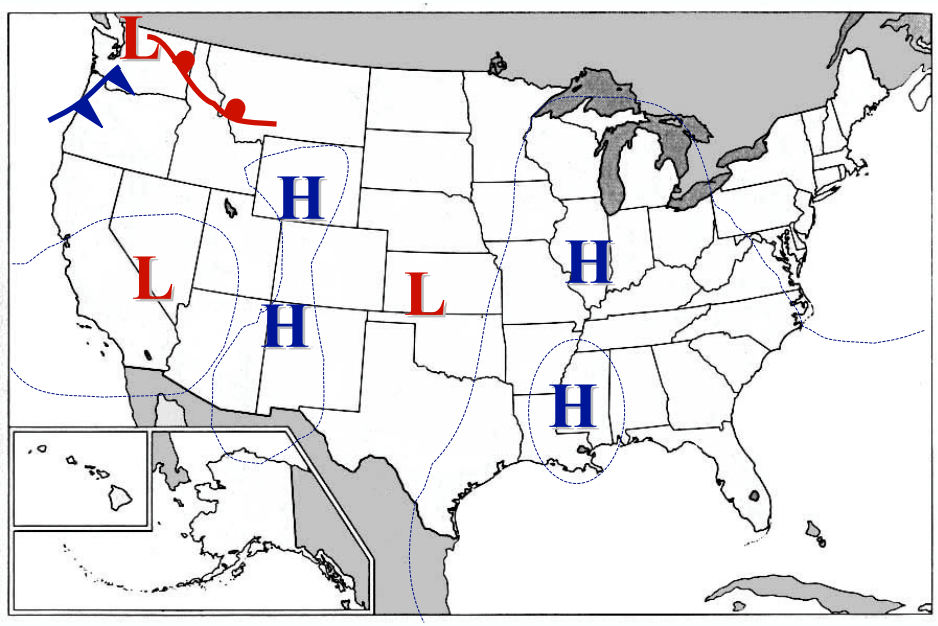




Developed by the Missouri Department of Natural Resources Air Pollution Control Program

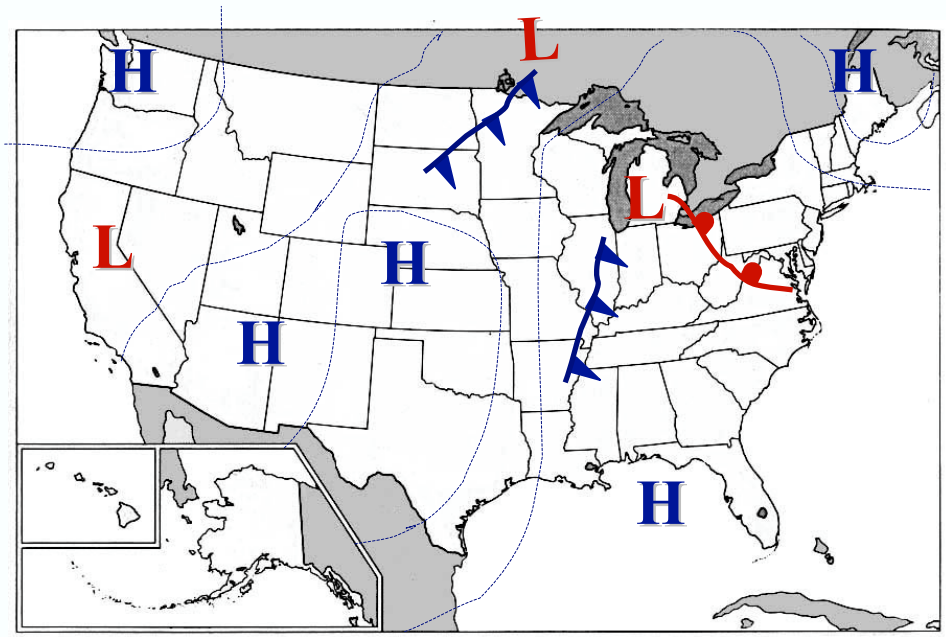
Meteorological Regime #4

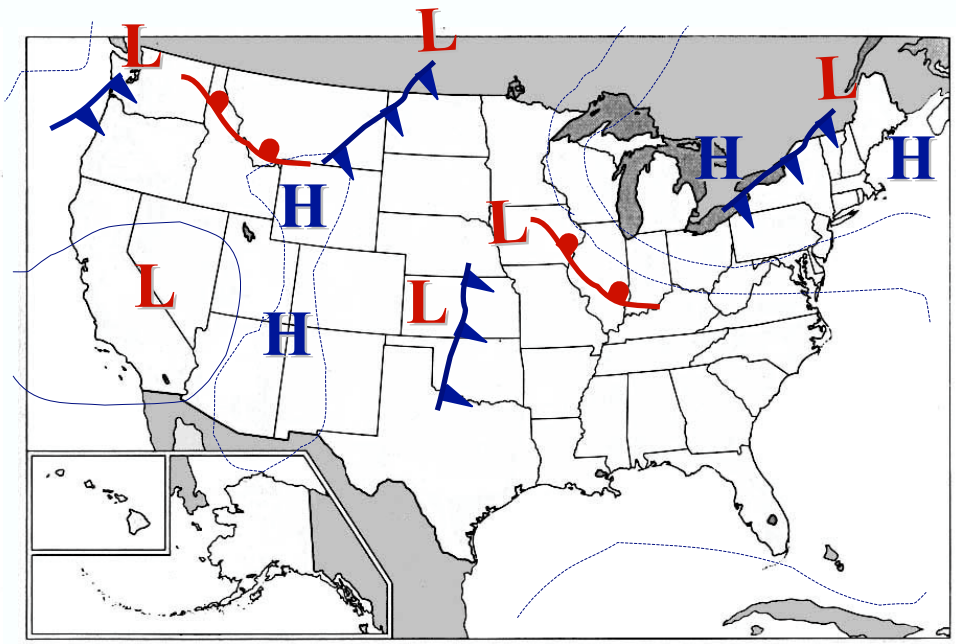




Developed by the Missouri Department of Natural Resources Air Pollution Control Program

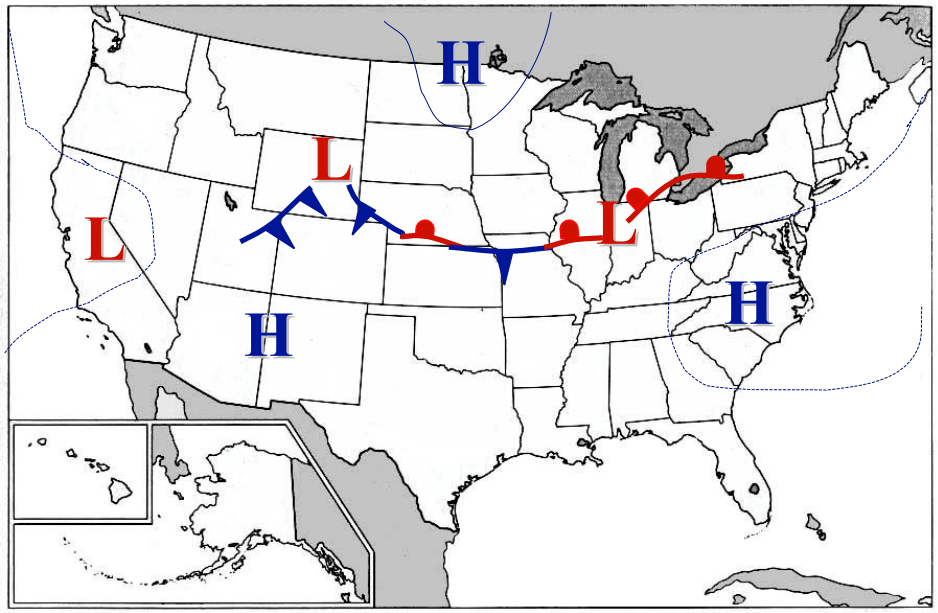
Meteorological Regime #5

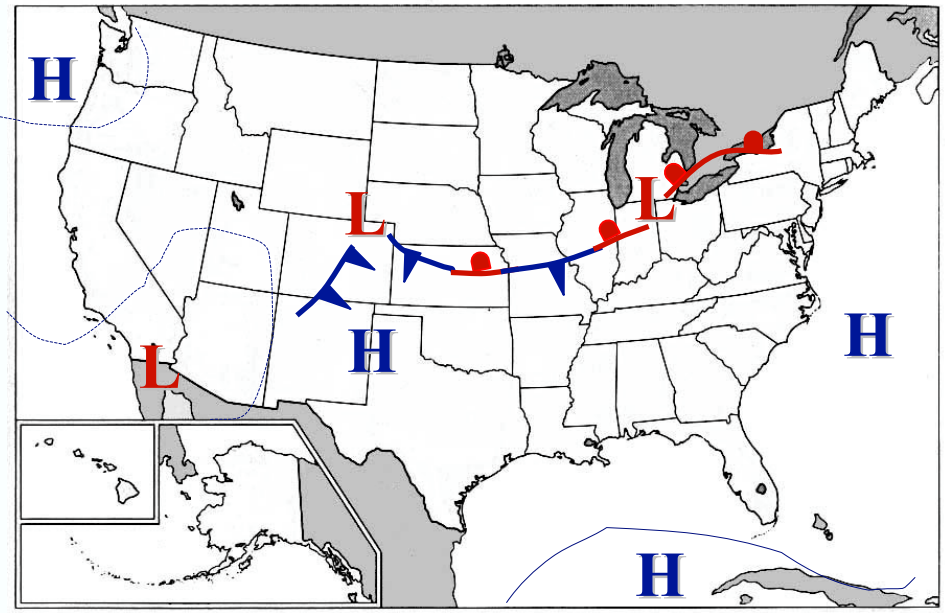




Developed by the Missouri Department of Natural Resources Air Pollution Control Program

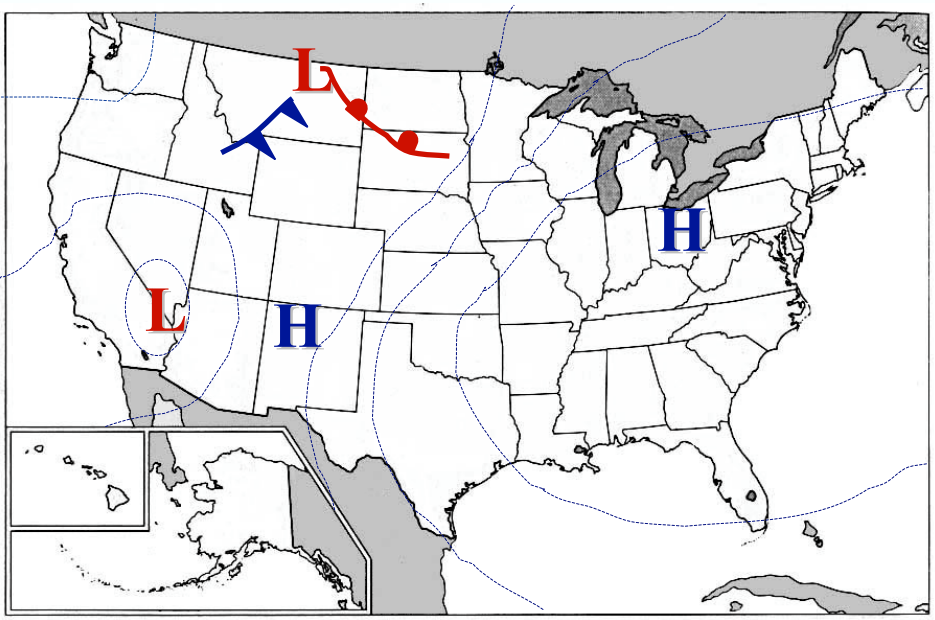
Meteorological Regime #6

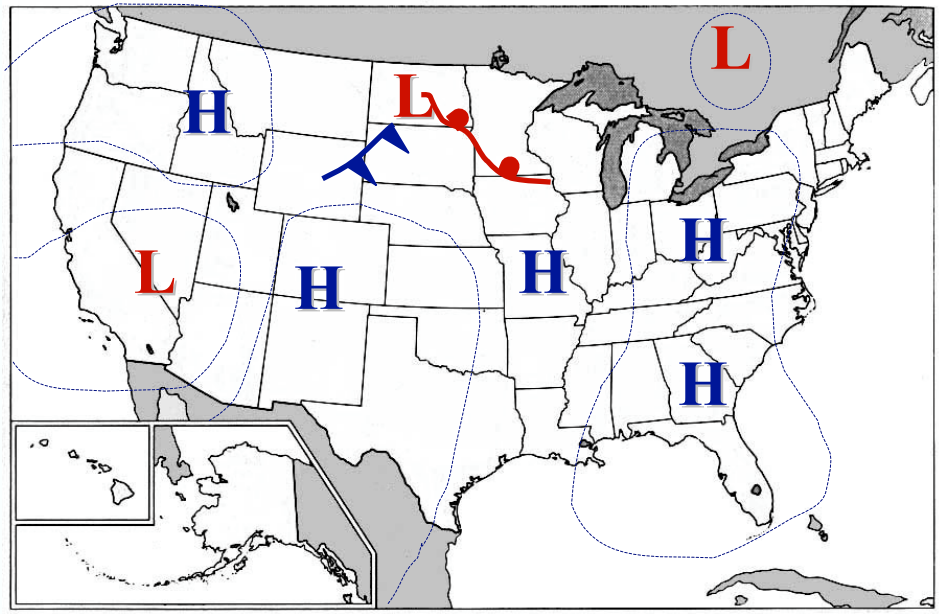




Developed by the Missouri Department of Natural Resources Air Pollution Control Program

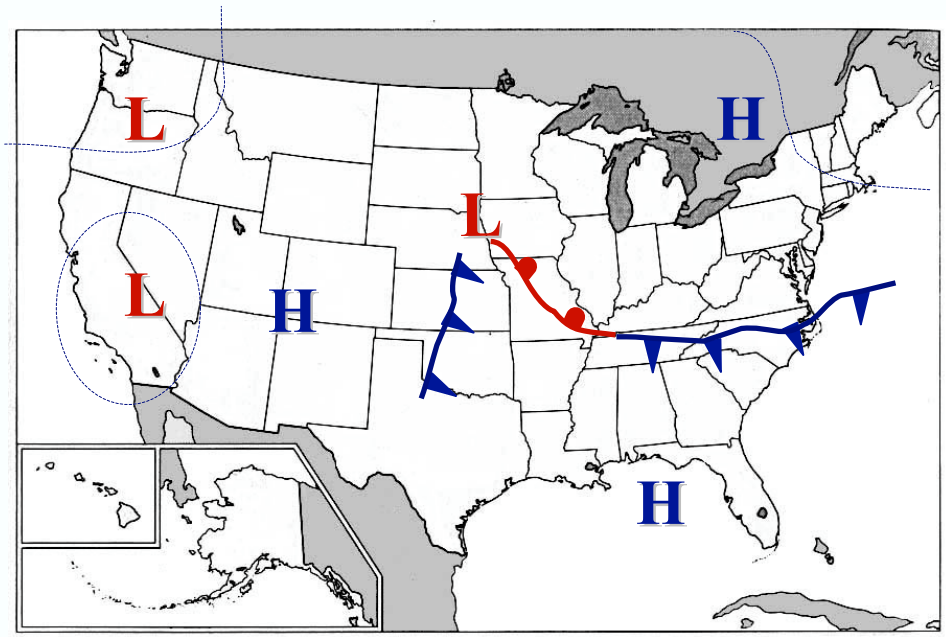
Meteorological Regime #7

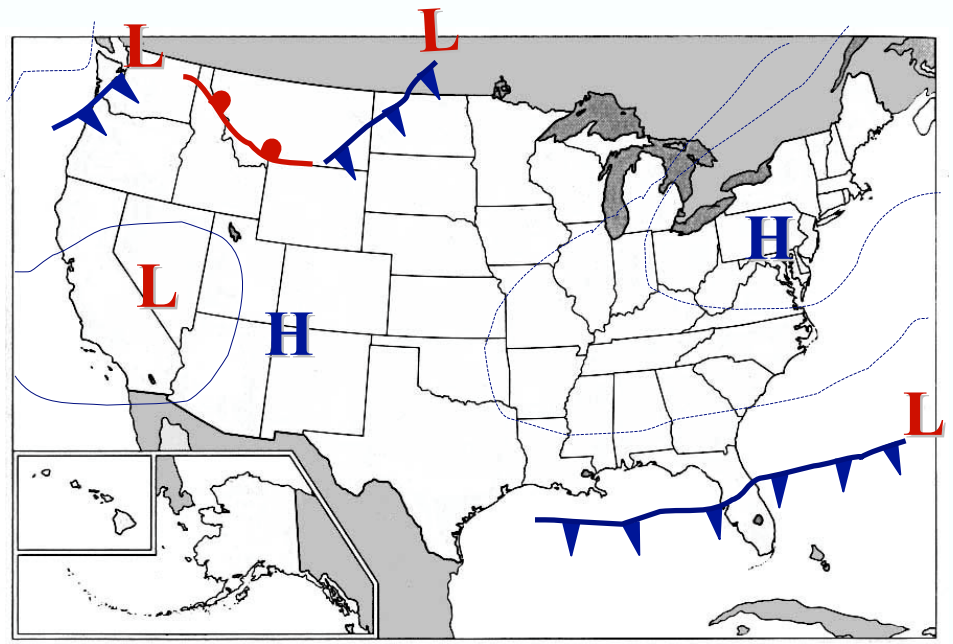




Developed by the Missouri Department of Natural Resources Air Pollution Control Program

Meteorological Regime #8



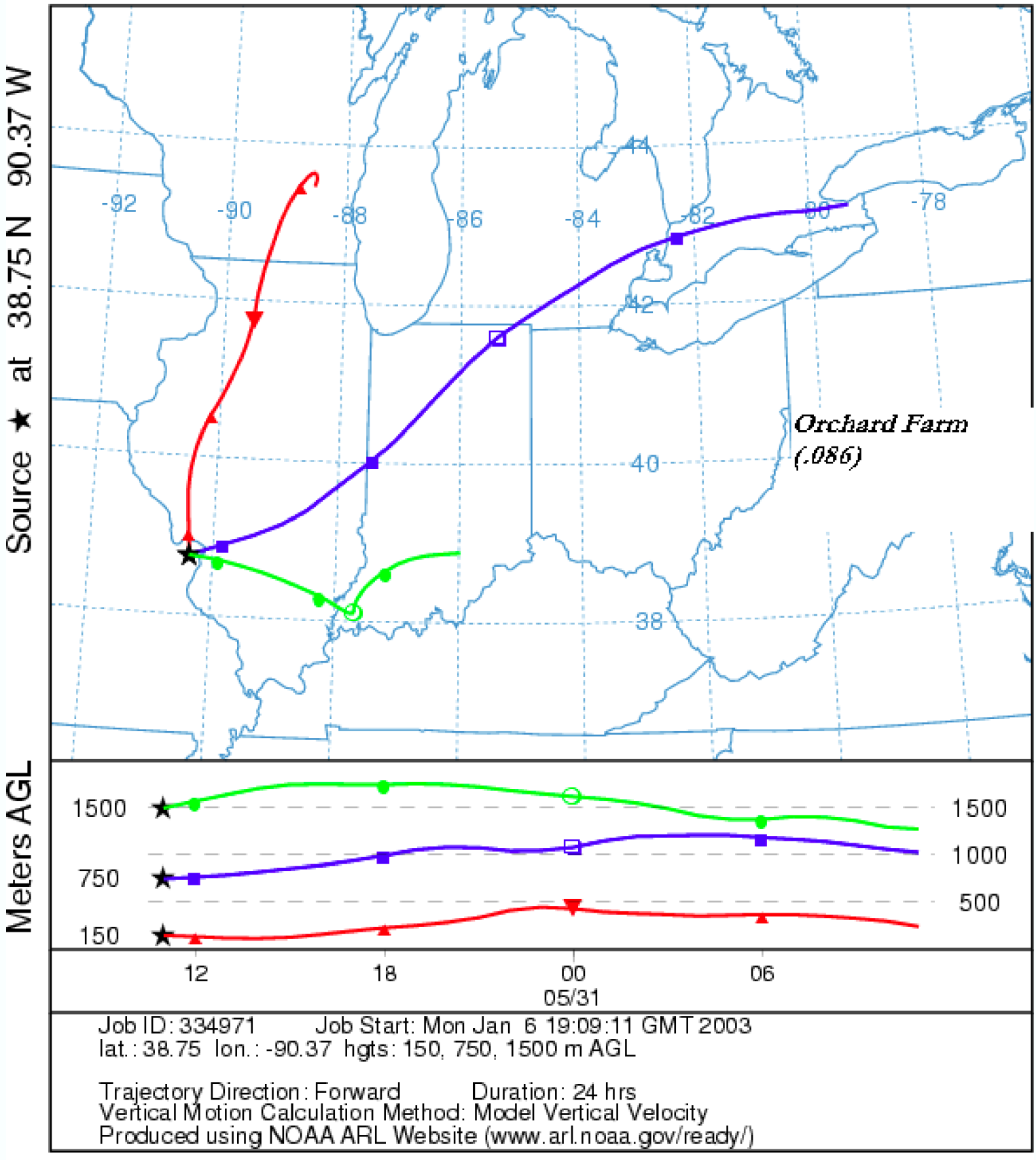


Developed by the Missouri Department of Natural Resources Air Pollution Control Program

NATIONAL OCEANIC ATMOSPHERIC ADMINISTRATION

Forward trajectories starting at 11 UTC 30 May 00

EDAS Meteorological Data



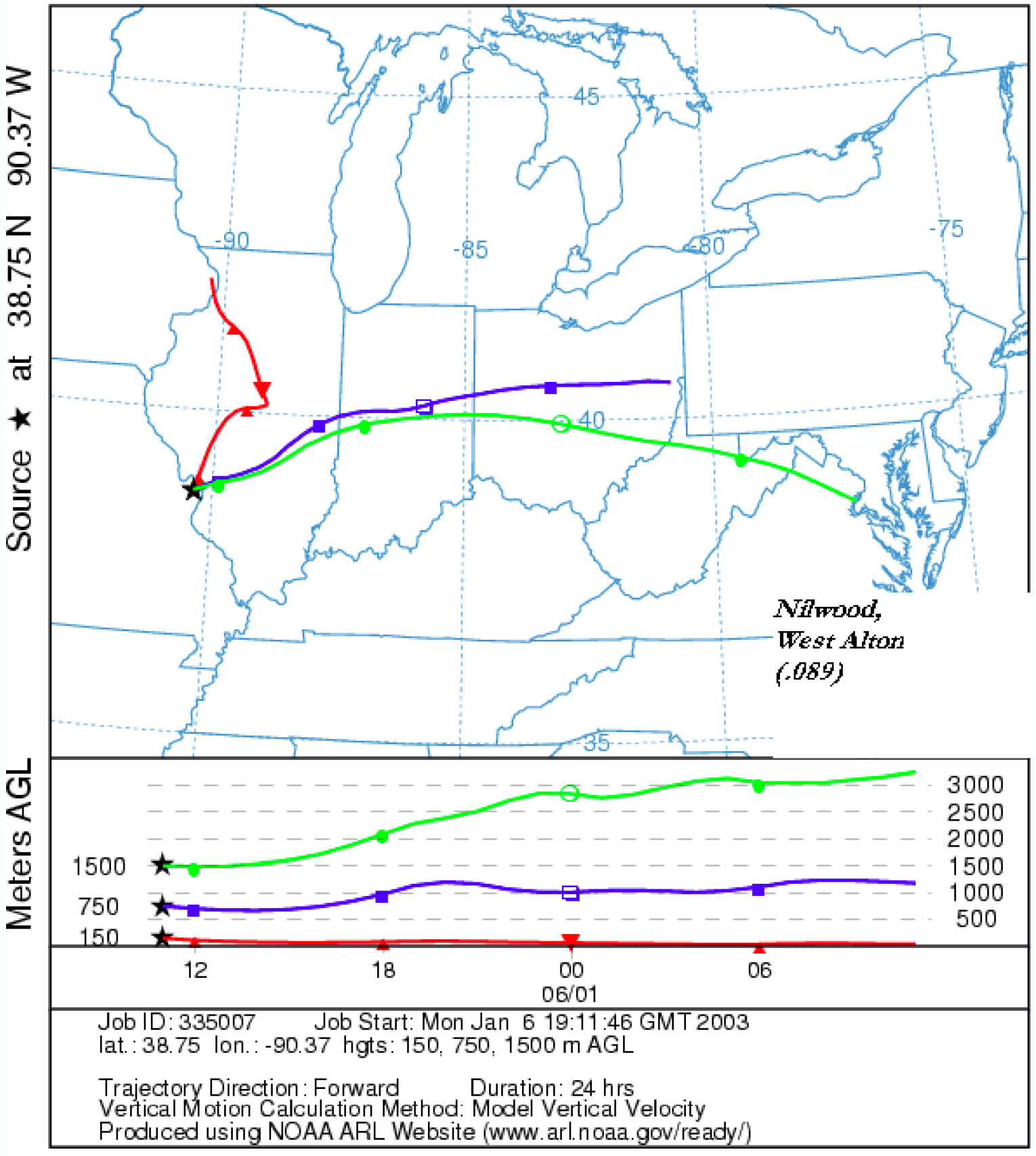
Job ID: 334971 Job Start: Mon Jan 6 19:09:11 GMT 2003
lat.: 38.75 lon.: -90.37 hgts: 150, 750, 1500 m AGL

Trajectory Direction: Forward Duration: 24 hrs
Vertical Motion Calculation Method: Model Vertical Velocity
Produced using NOAA ARL Website (www.arl.noaa.gov/ready/)

NATIONAL OCEANIC ATMOSPHERIC ADMINISTRATION

Forward trajectories starting at 11 UTC 31 May 00

EDAS Meteorological Data



Job ID: 335007 Job Start: Mon Jan 6 19:11:46 GMT 2003

lat.: 38.75 lon.: -90.37 hgts: 150, 750, 1500 m AGL

Trajectory Direction: Forward Duration: 24 hrs

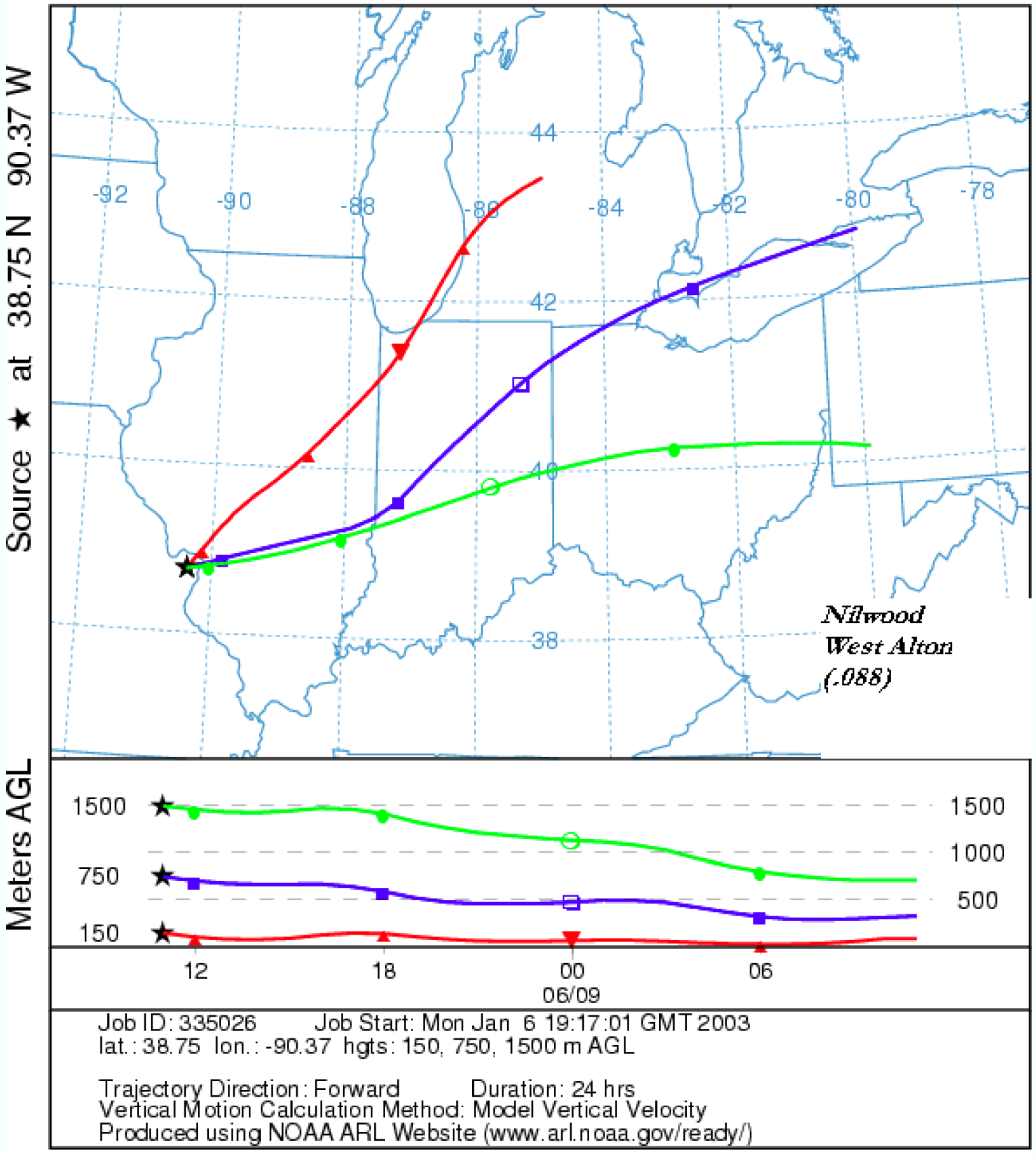
Vertical Motion Calculation Method: Model Vertical Velocity

Produced using NOAA ARL Website (www.arl.noaa.gov/ready/)

NATIONAL OCEANIC ATMOSPHERIC ADMINISTRATION

Forward trajectories starting at 11 UTC 08 Jun 00

EDAS Meteorological Data



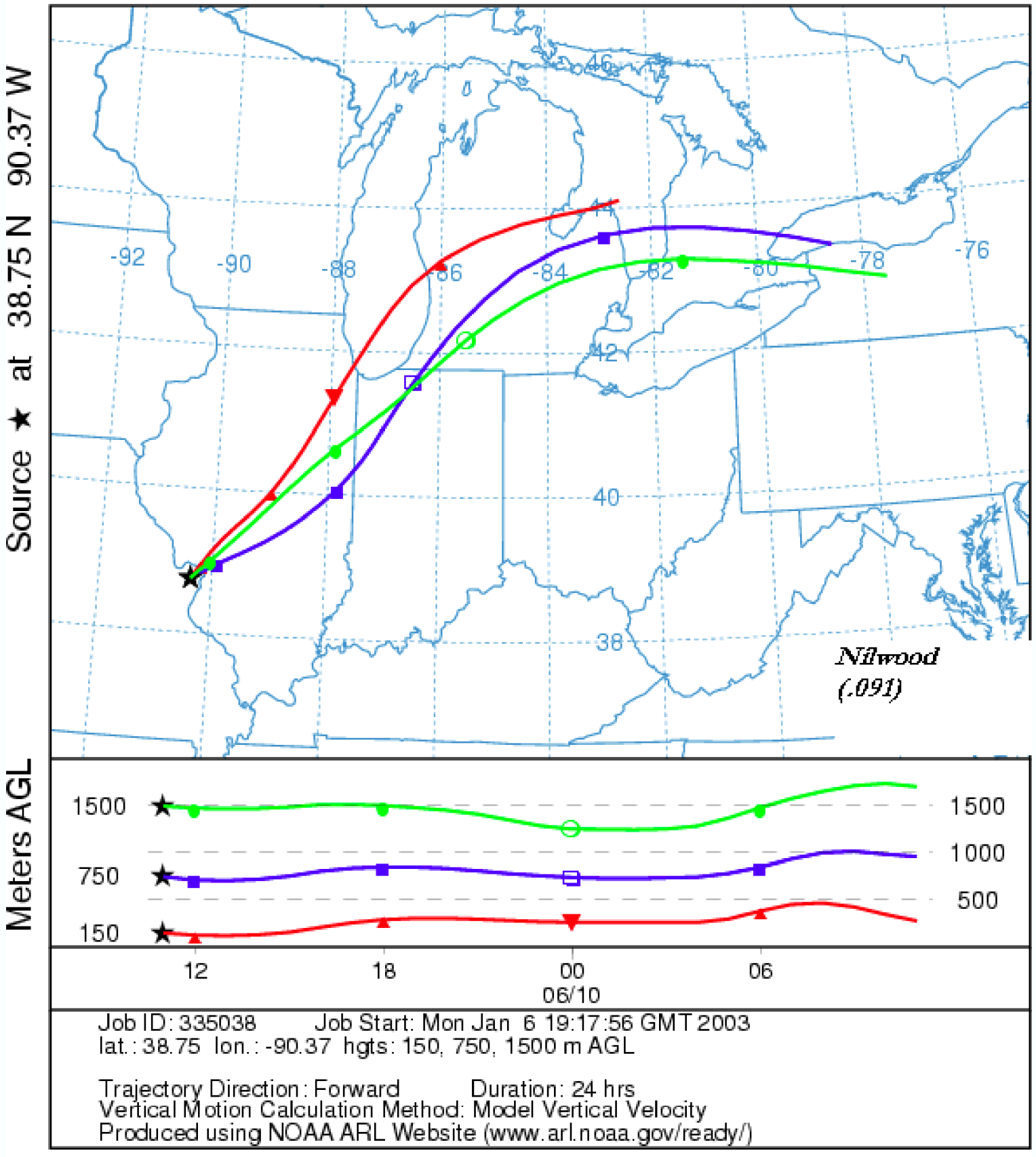
Job ID: 335026 Job Start: Mon Jan 6 19:17:01 GMT 2003
lat.: 38.75 lon.: -90.37 hgts: 150, 750, 1500 m AGL

Trajectory Direction: Forward Duration: 24 hrs
Vertical Motion Calculation Method: Model Vertical Velocity
Produced using NOAA ARL Website (www.arl.noaa.gov/ready/)

NATIONAL OCEANIC ATMOSPHERIC ADMINISTRATION

Forward trajectories starting at 11 UTC 09 Jun 00

EDAS Meteorological Data



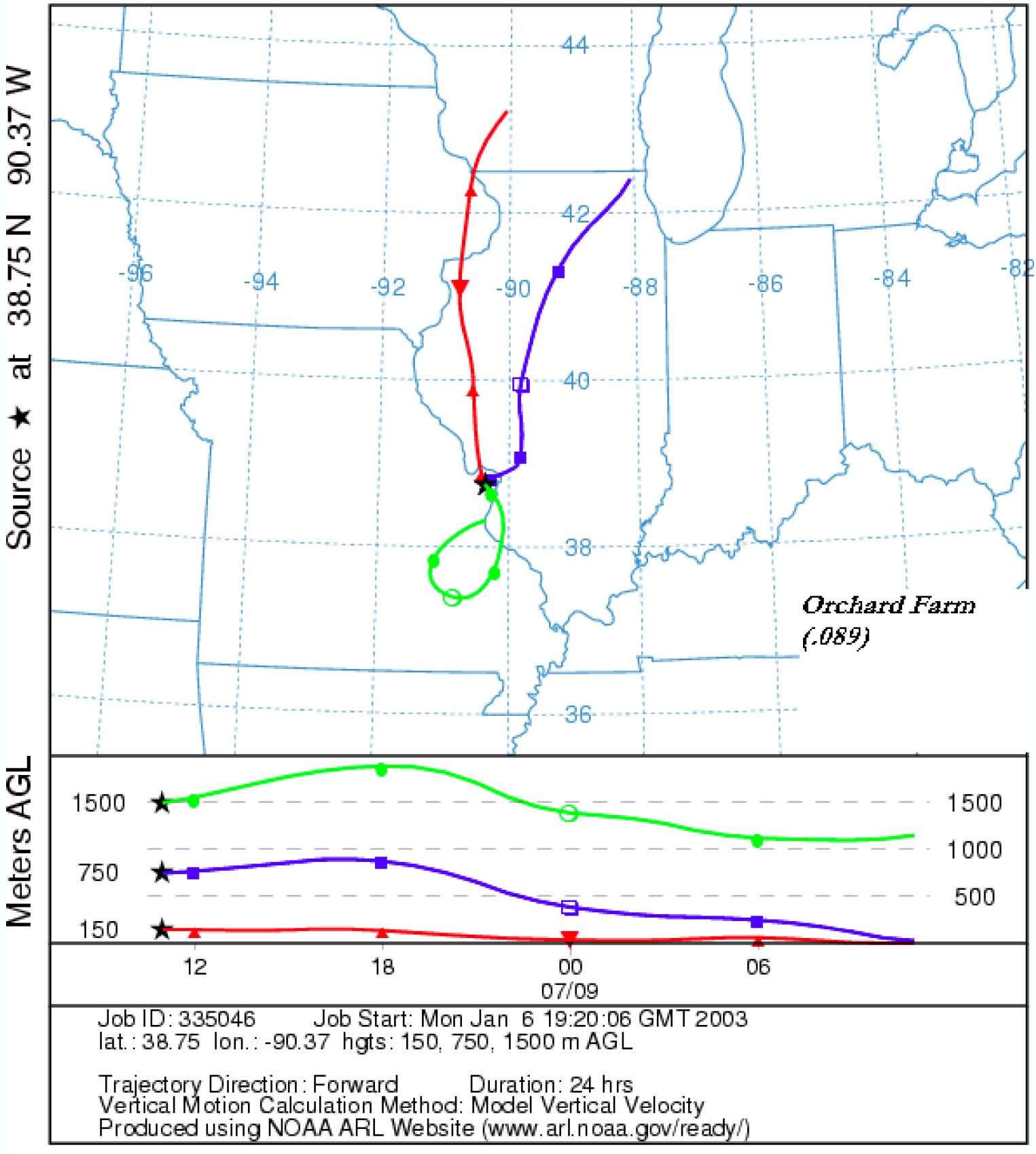
Job ID: 335038 Job Start: Mon Jan 6 19:17:56 GMT 2003
lat.: 38.75 lon.: -90.37 hgts: 150, 750, 1500 m AGL

Trajectory Direction: Forward Duration: 24 hrs
Vertical Motion Calculation Method: Model Vertical Velocity
Produced using NOAA ARL Website (www.arl.noaa.gov/ready/)

NATIONAL OCEANIC ATMOSPHERIC ADMINISTRATION

Forward trajectories starting at 11 UTC 08 Jul 00

EDAS Meteorological Data



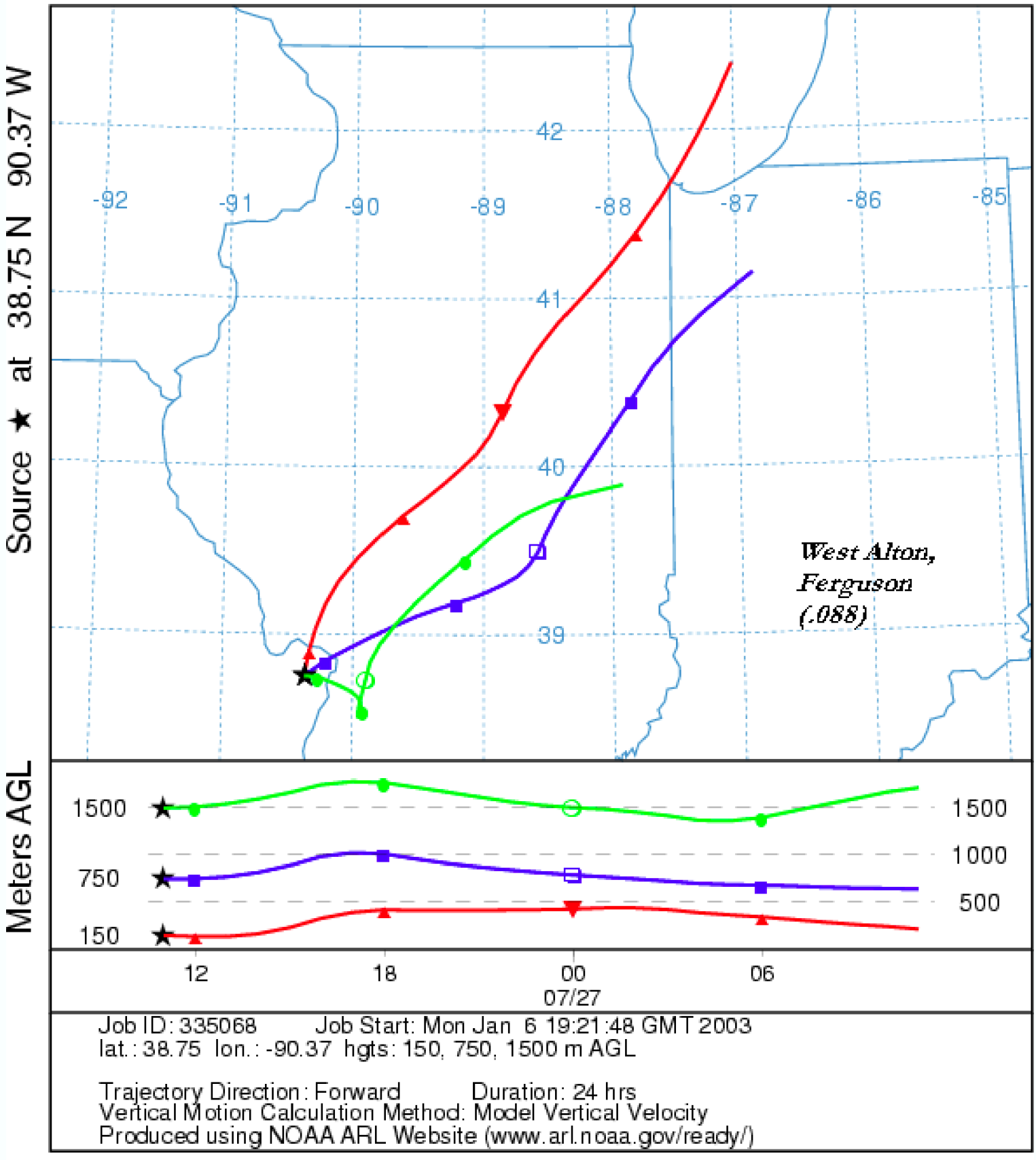
Job ID: 335046 Job Start: Mon Jan 6 19:20:06 GMT 2003
lat.: 38.75 lon.: -90.37 hgts: 150, 750, 1500 m AGL

Trajectory Direction: Forward Duration: 24 hrs
Vertical Motion Calculation Method: Model Vertical Velocity
Produced using NOAA ARL Website (www.arl.noaa.gov/ready/)

NATIONAL OCEANIC ATMOSPHERIC ADMINISTRATION

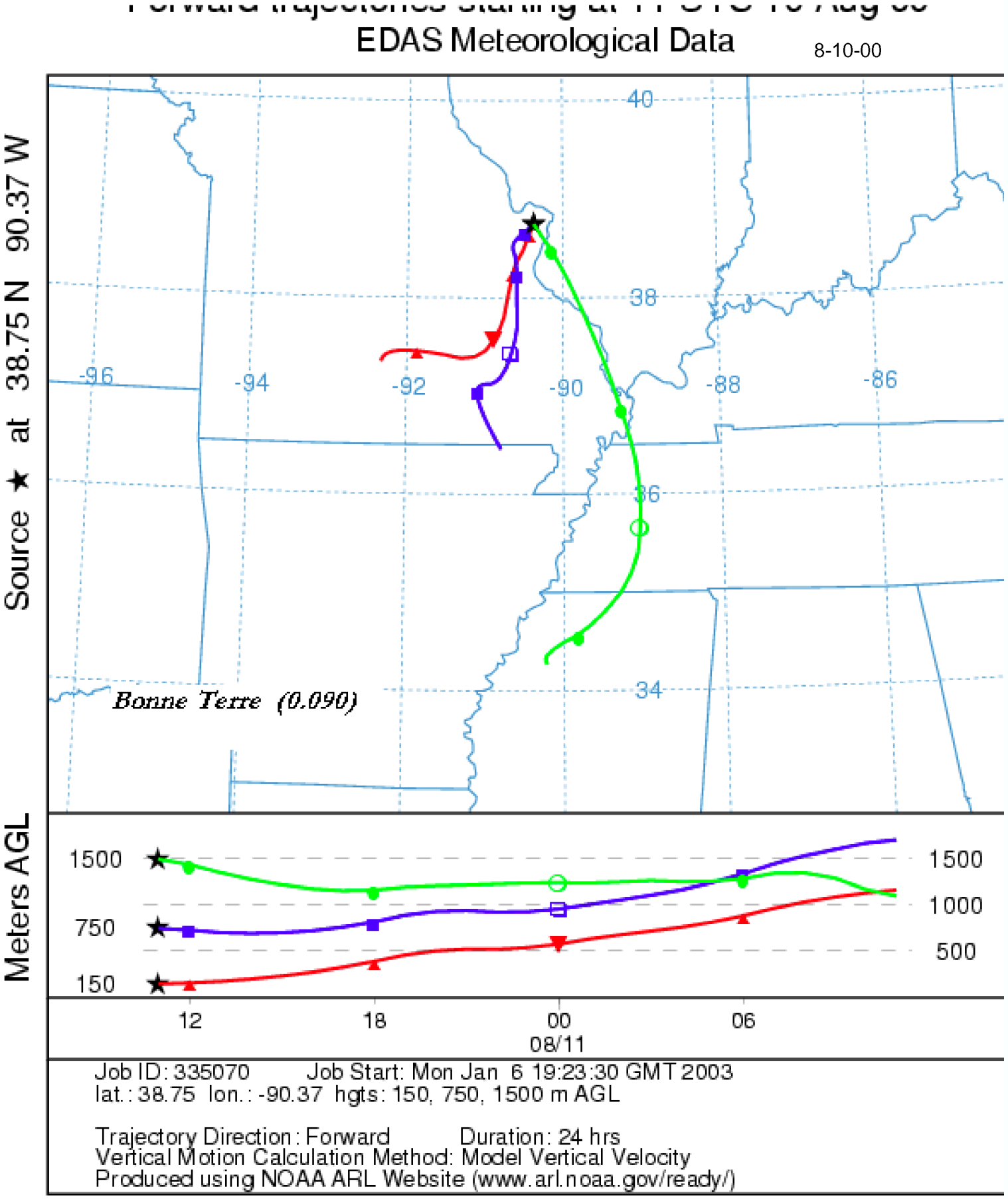
Forward trajectories starting at 11 UTC 26 Jul 00

EDAS Meteorological Data



Job ID: 335068 Job Start: Mon Jan 6 19:21:48 GMT 2003
lat.: 38.75 lon.: -90.37 hgts: 150, 750, 1500 m AGL

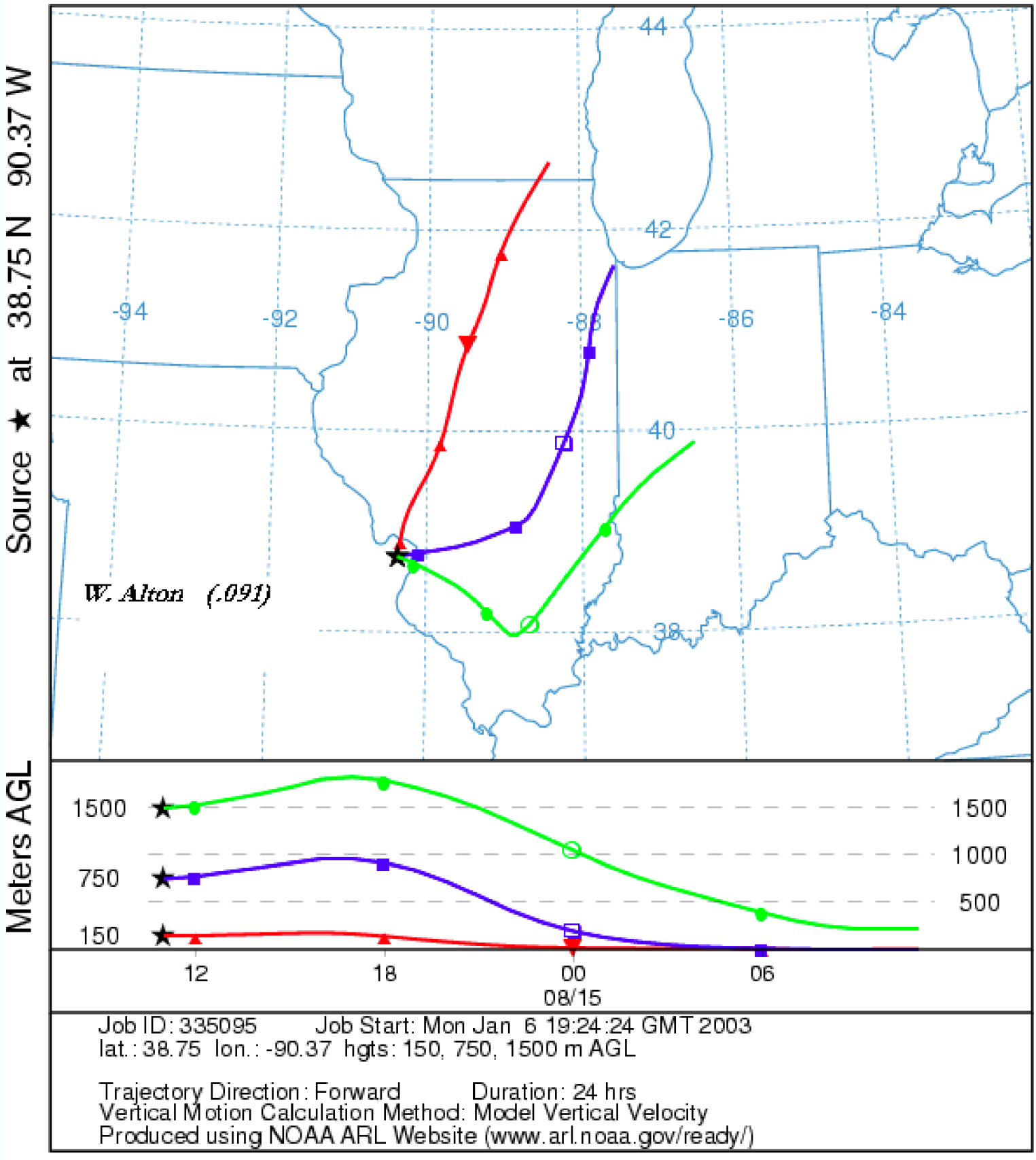
Trajectory Direction: Forward Duration: 24 hrs
Vertical Motion Calculation Method: Model Vertical Velocity
Produced using NOAA ARL Website (www.arl.noaa.gov/ready/)


Forward trajectories starting at 11 UTC 10 Aug 00
EDAS Meteorological Data
8-10-00
Source ★ at 38.75 N 90.37 W
40
38
36
34
-96
-94
-92
-90
-88
-86
Bonne Terre (0.090)
Meters AGL
1500
750
150
1500
1000
500
12
18
00
06
08/11
Job ID: 335070 Job Start: Mon Jan 6 19:23:30 GMT 2003
lat.: 38.75 lon.: -90.37 hgts: 150, 750, 1500 m AGL
Trajectory Direction: Forward Duration: 24 hrs
Vertical Motion Calculation Method: Model Vertical Velocity
Produced using NOAA ARL Website (www.arl.noaa.gov/ready/)

NATIONAL OCEANIC ATMOSPHERIC ADMINISTRATION

Forward trajectories starting at 11 UTC 14 Aug 00

EDAS Meteorological Data



Job ID: 335095 Job Start: Mon Jan 6 19:24:24 GMT 2003

lat.: 38.75 lon.: -90.37 hgts: 150, 750, 1500 m AGL

Trajectory Direction: Forward Duration: 24 hrs

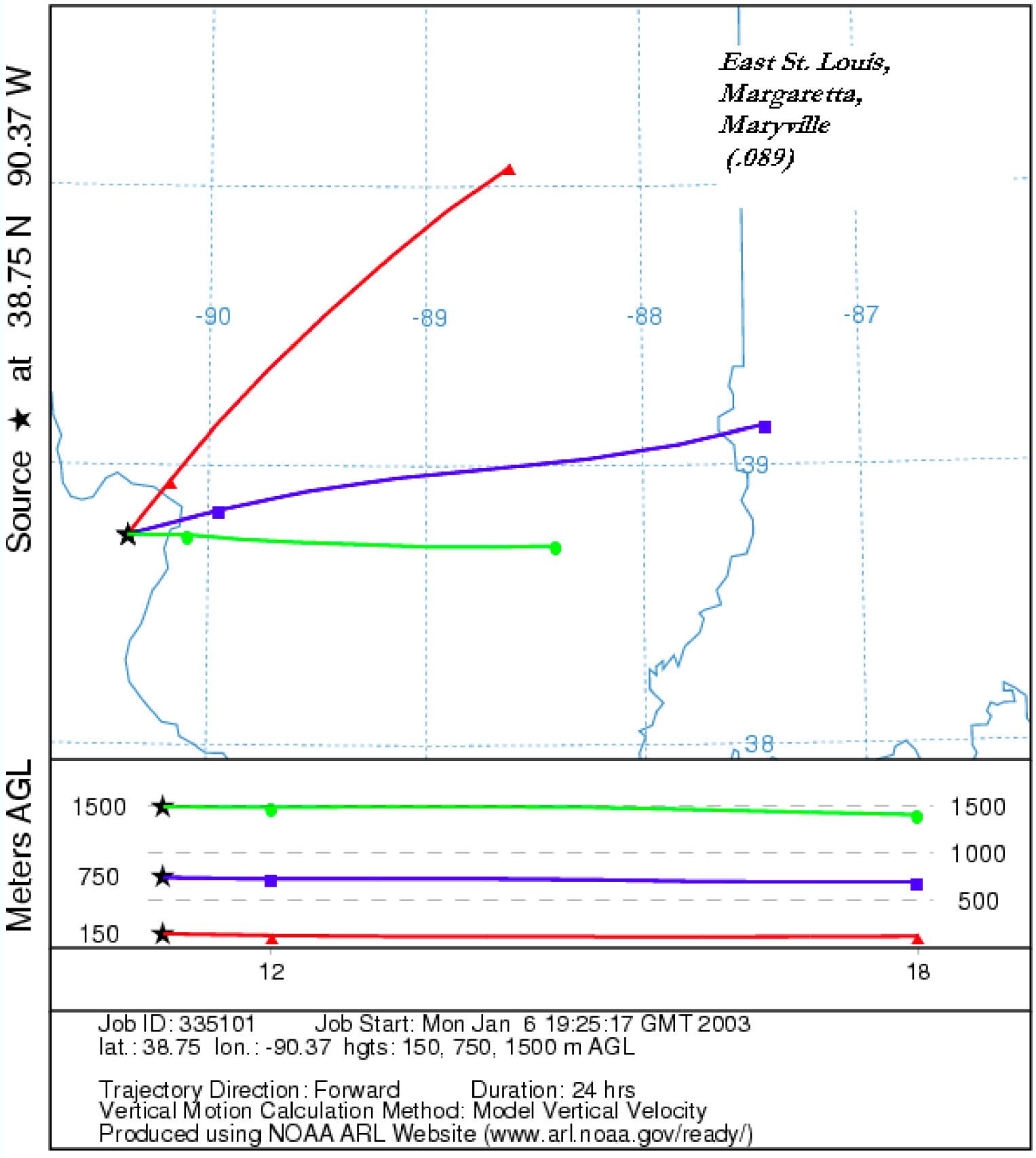
Vertical Motion Calculation Method: Model Vertical Velocity

Produced using NOAA ARL Website (www.arl.noaa.gov/ready/)

NATIONAL OCEANIC ATMOSPHERIC ADMINISTRATION

Forward trajectories starting at 11 UTC 15 Aug 00

EDAS Meteorological Data



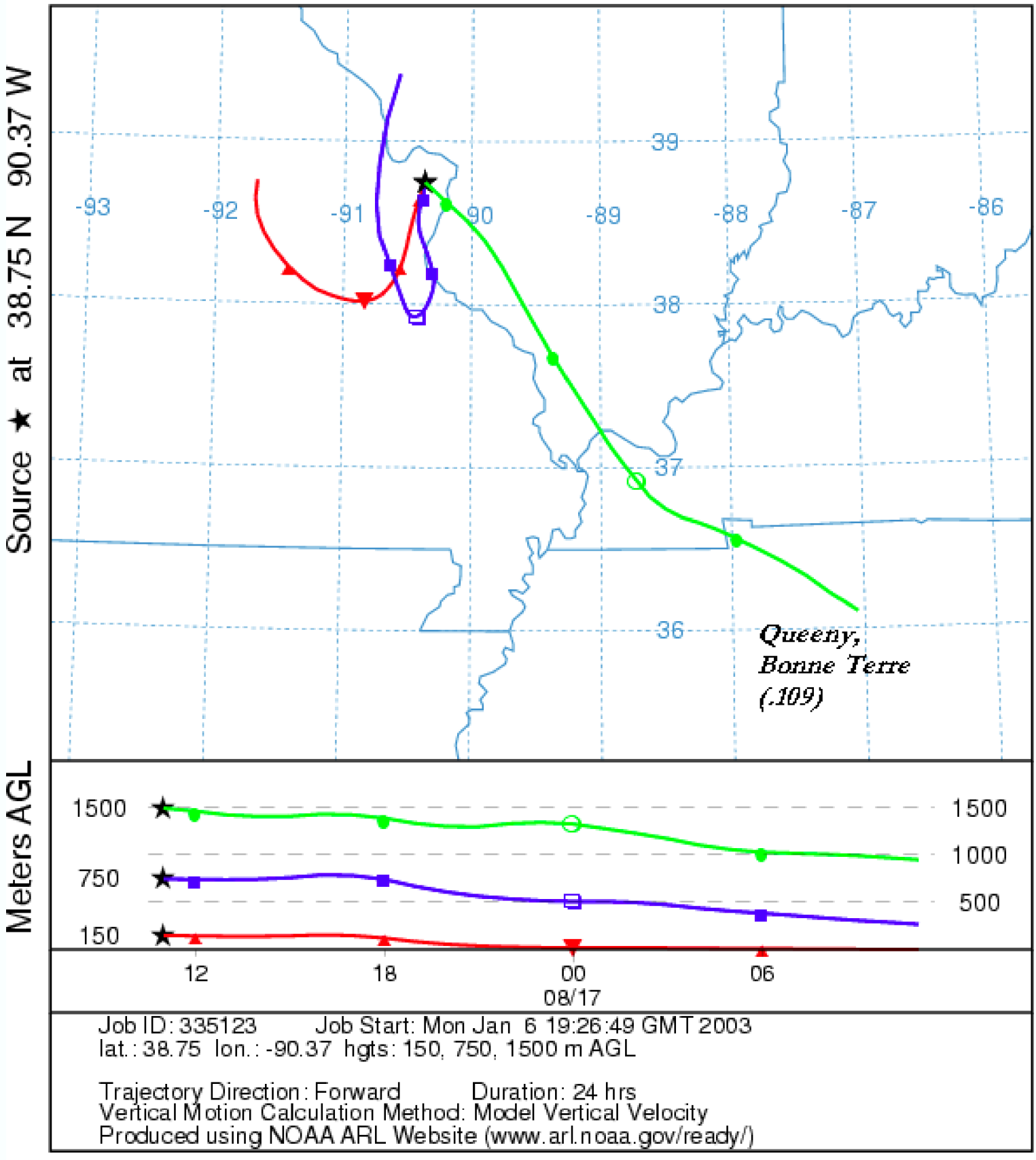
Job ID: 335101 Job Start: Mon Jan 6 19:25:17 GMT 2003
lat.: 38.75 lon.: -90.37 hgts: 150, 750, 1500 m AGL

Trajectory Direction: Forward Duration: 24 hrs
Vertical Motion Calculation Method: Model Vertical Velocity
Produced using NOAA ARL Website (www.arl.noaa.gov/ready/)

NATIONAL OCEANIC ATMOSPHERIC ADMINISTRATION

Forward trajectories starting at 11 UTC 16 Aug 00

EDAS Meteorological Data



Job ID: 335123 Job Start: Mon Jan 6 19:26:49 GMT 2003

lat.: 38.75 lon.: -90.37 hgts: 150, 750, 1500 m AGL

Trajectory Direction: Forward Duration: 24 hrs

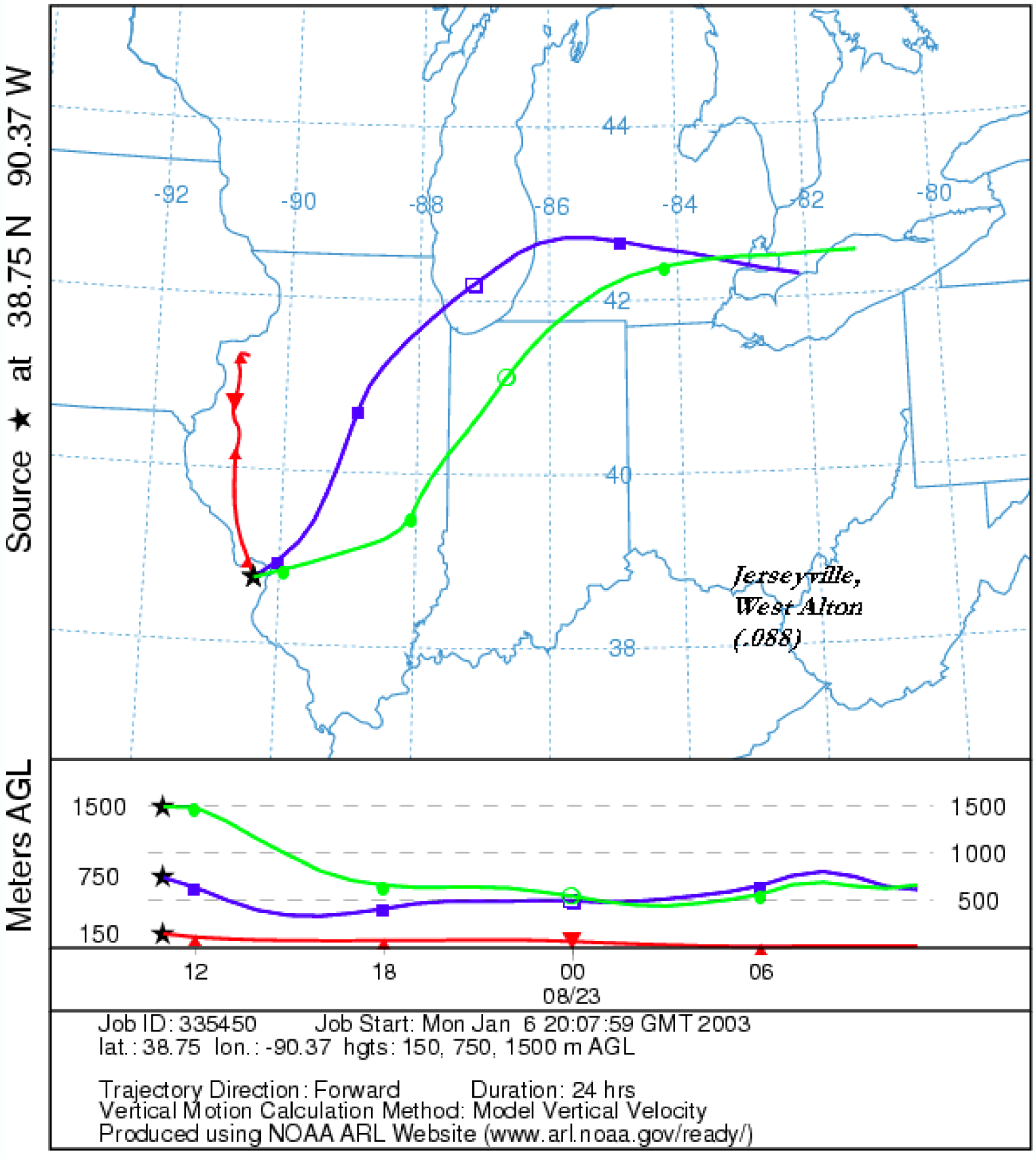
Vertical Motion Calculation Method: Model Vertical Velocity

Produced using NOAA ARL Website (www.arl.noaa.gov/ready/)

NATIONAL OCEANIC ATMOSPHERIC ADMINISTRATION

Forward trajectories starting at 11 UTC 22 Aug 00

EDAS Meteorological Data



Job ID: 335450 Job Start: Mon Jan 6 20:07:59 GMT 2003

lat.: 38.75 lon.: -90.37 hgts: 150, 750, 1500 m AGL

Trajectory Direction: Forward Duration: 24 hrs

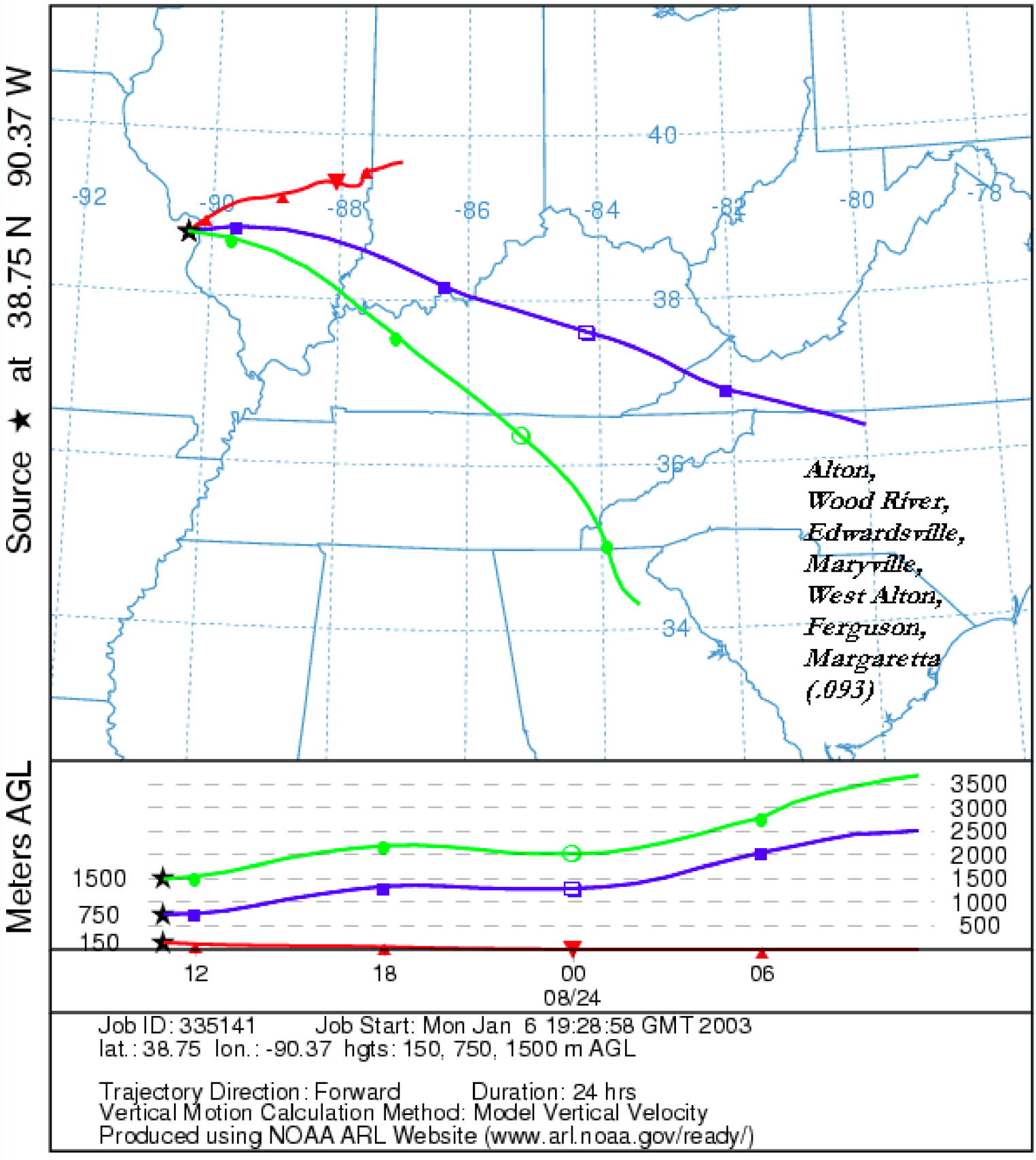
Vertical Motion Calculation Method: Model Vertical Velocity

Produced using NOAA ARL Website (www.arl.noaa.gov/ready/)

NATIONAL OCEANIC ATMOSPHERIC ADMINISTRATION

Forward trajectories starting at 11 UTC 23 Aug 00

EDAS Meteorological Data



Job ID: 335141 Job Start: Mon Jan 6 19:28:58 GMT 2003

lat.: 38.75 lon.: -90.37 hgts: 150, 750, 1500 m AGL

Trajectory Direction: Forward Duration: 24 hrs

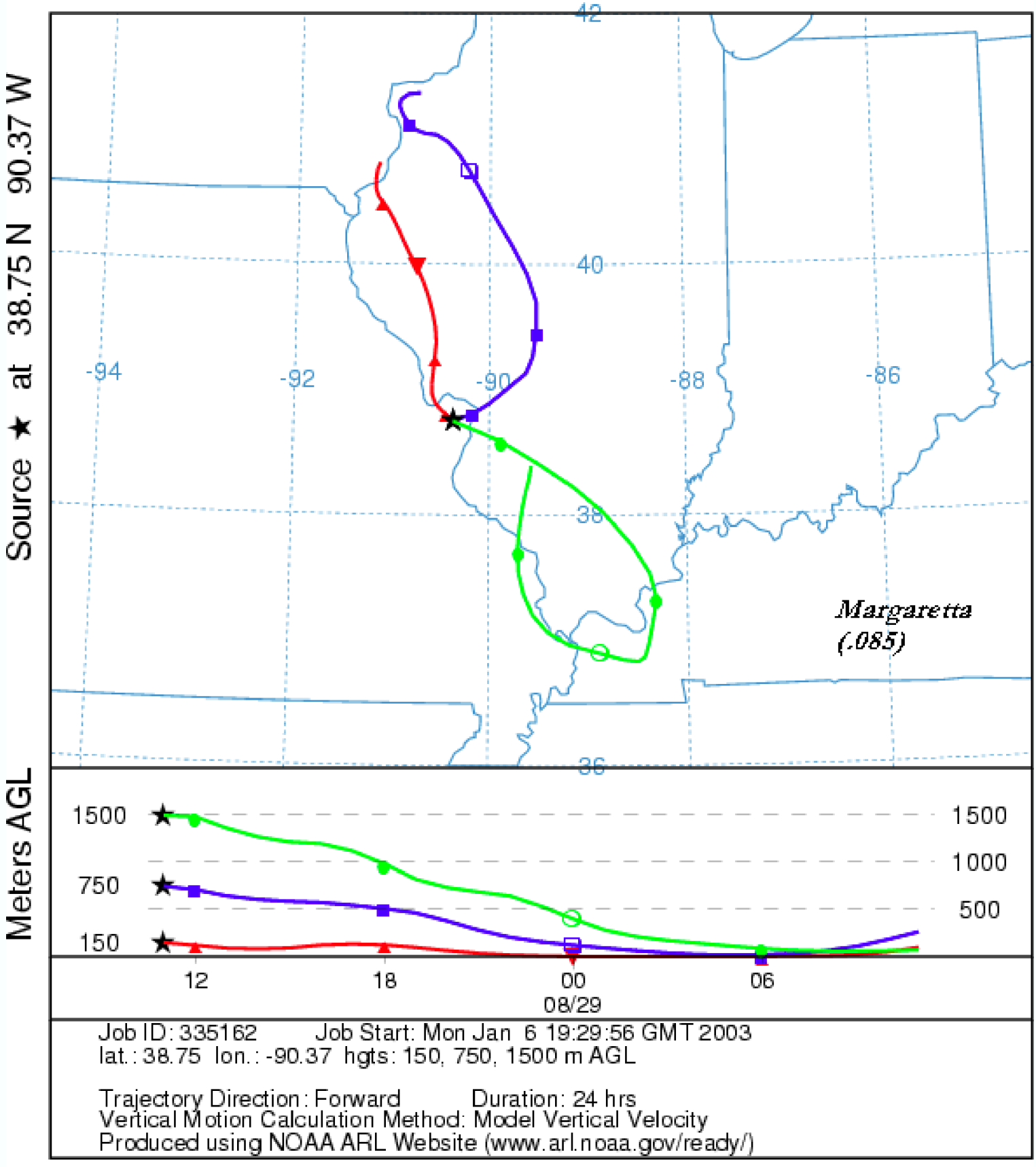
Vertical Motion Calculation Method: Model Vertical Velocity

Produced using NOAA ARL Website (www.arl.noaa.gov/ready/)

NATIONAL OCEANIC ATMOSPHERIC ADMINISTRATION

Forward trajectories starting at 11 UTC 28 Aug 00

EDAS Meteorological Data



Job ID: 335162 Job Start: Mon Jan 6 19:29:56 GMT 2003

lat.: 38.75 lon.: -90.37 hgts: 150, 750, 1500 m AGL

Trajectory Direction: Forward Duration: 24 hrs

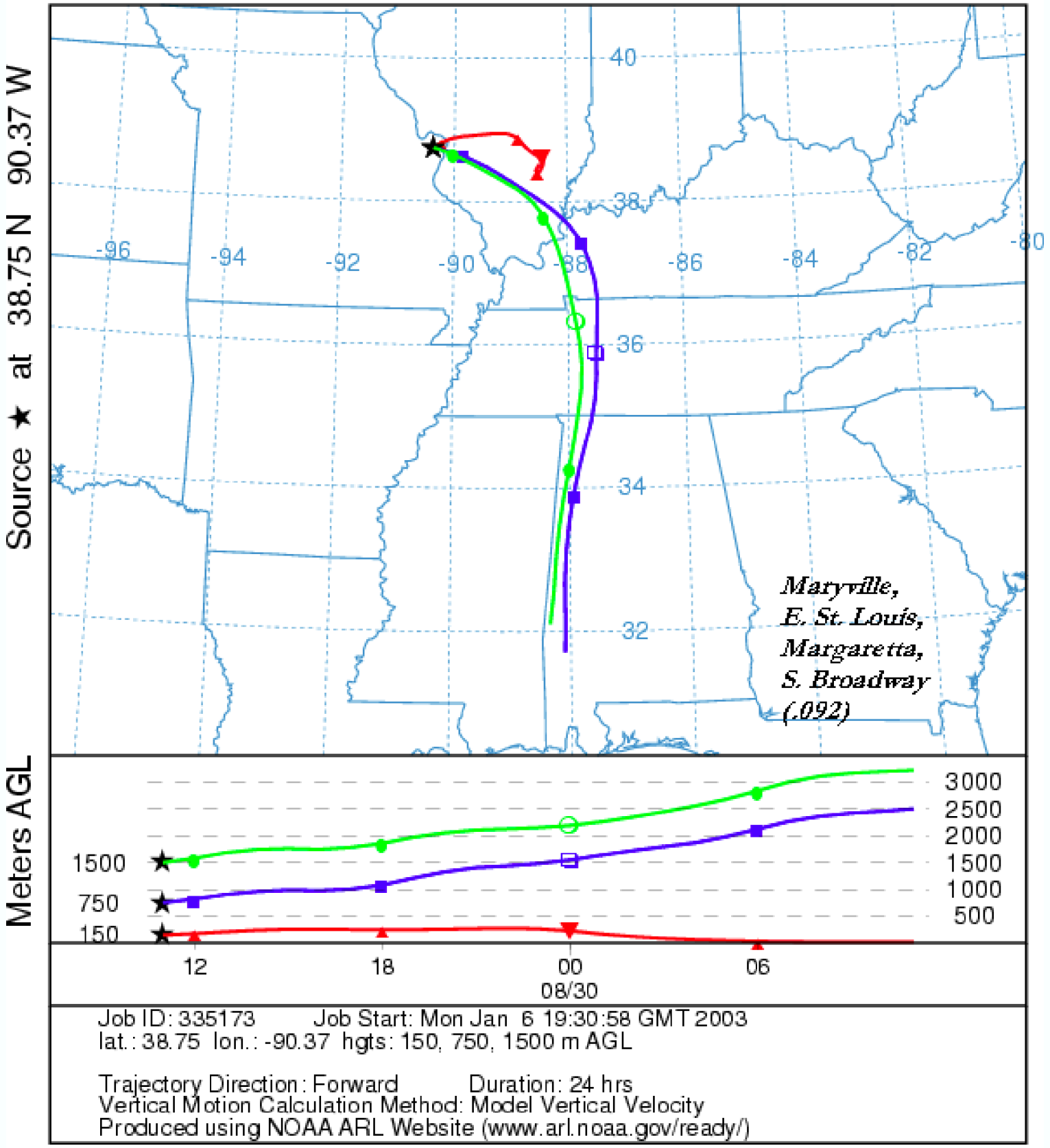
Vertical Motion Calculation Method: Model Vertical Velocity

Produced using NOAA ARL Website (www.arl.noaa.gov/ready/)

NATIONAL OCEANIC ATMOSPHERIC ADMINISTRATION

Forward trajectories starting at 11 UTC 29 Aug 00

EDAS Meteorological Data



Job ID: 335173 Job Start: Mon Jan 6 19:30:58 GMT 2003

lat.: 38.75 lon.: -90.37 hgts: 150, 750, 1500 m AGL

Trajectory Direction: Forward Duration: 24 hrs

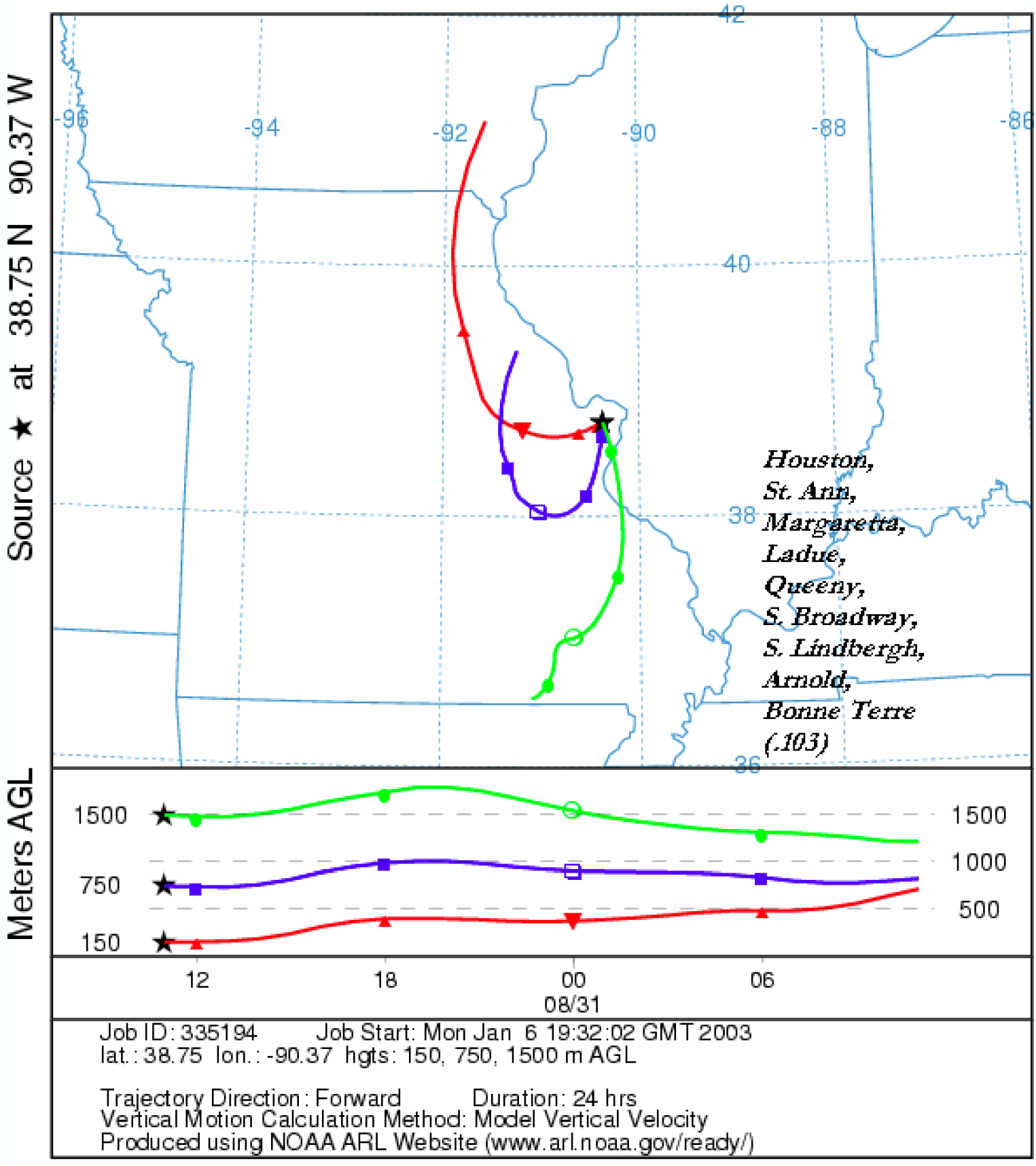
Vertical Motion Calculation Method: Model Vertical Velocity

Produced using NOAA ARL Website (www.arl.noaa.gov/ready/)

NATIONAL OCEANIC ATMOSPHERIC ADMINISTRATION

Forward trajectories starting at 11 UTC 30 Aug 00

EDAS Meteorological Data



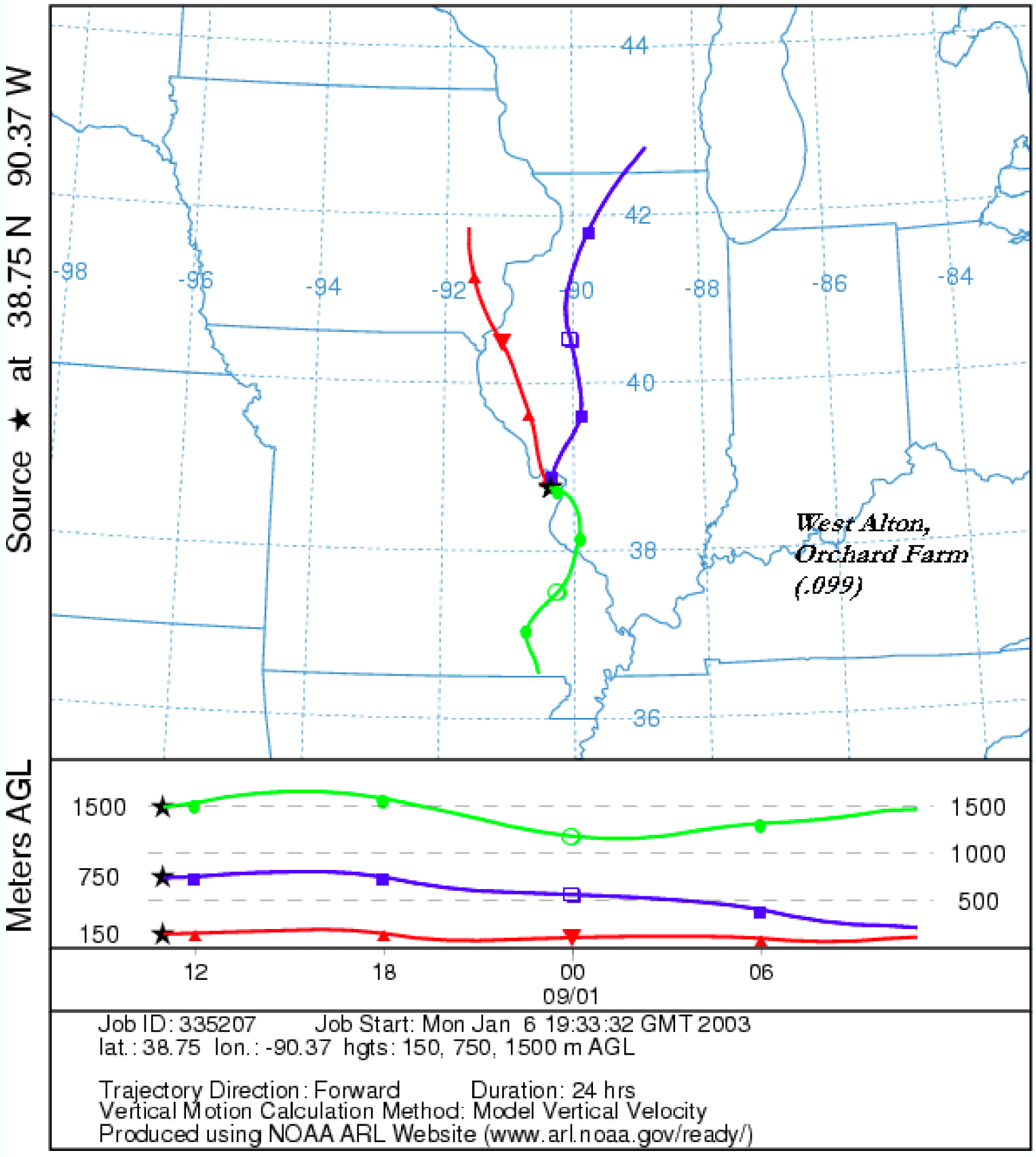
Job ID: 335194 Job Start: Mon Jan 6 19:32:02 GMT 2003
lat.: 38.75 lon.: -90.37 hgts: 150, 750, 1500 m AGL

Trajectory Direction: Forward Duration: 24 hrs
Vertical Motion Calculation Method: Model Vertical Velocity
Produced using NOAA ARL Website (www.arl.noaa.gov/ready/)

NATIONAL OCEANIC ATMOSPHERIC ADMINISTRATION

Forward trajectories starting at 11 UTC 31 Aug 00

EDAS Meteorological Data



Job ID: 335207 Job Start: Mon Jan 6 19:33:32 GMT 2003

lat.: 38.75 lon.: -90.37 hgts: 150, 750, 1500 m AGL

Trajectory Direction: Forward Duration: 24 hrs

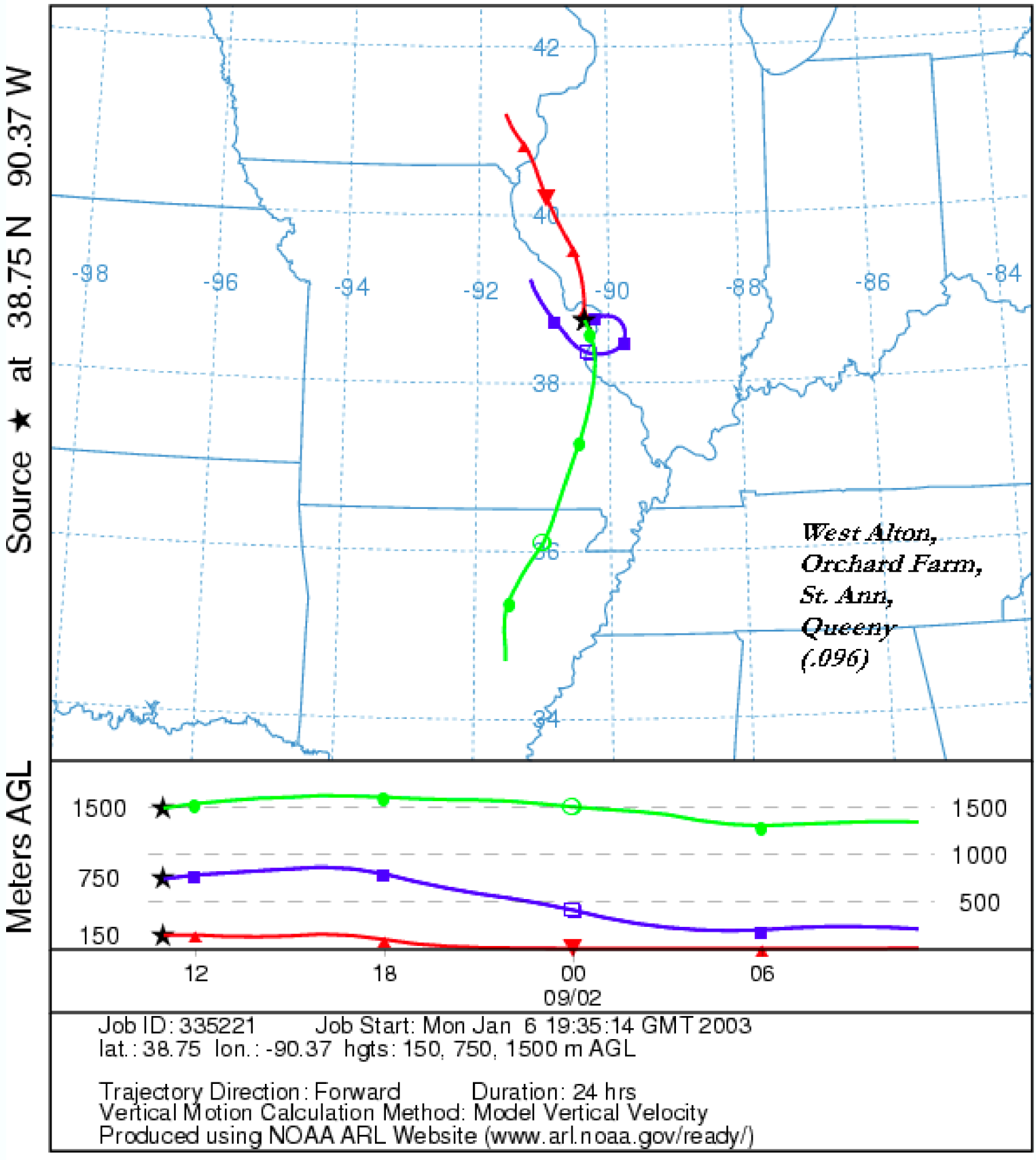
Vertical Motion Calculation Method: Model Vertical Velocity

Produced using NOAA ARL Website (www.arl.noaa.gov/ready/)

NATIONAL OCEANIC ATMOSPHERIC ADMINISTRATION

Forward trajectories starting at 11 UTC 01 Sep 00

EDAS Meteorological Data



Job ID: 335221 Job Start: Mon Jan 6 19:35:14 GMT 2003

lat.: 38.75 lon.: -90.37 hgts: 150, 750, 1500 m AGL

Trajectory Direction: Forward Duration: 24 hrs

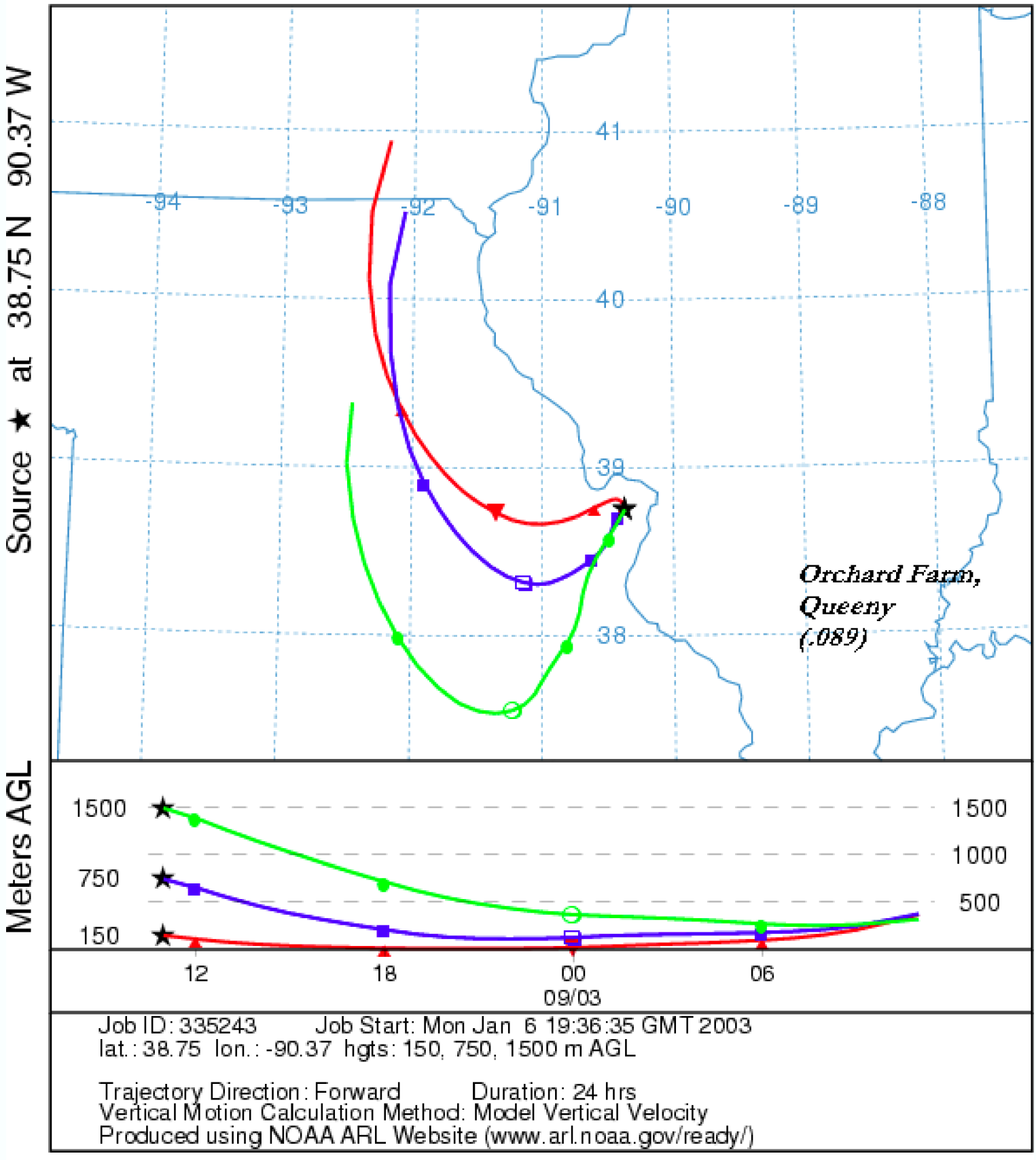
Vertical Motion Calculation Method: Model Vertical Velocity

Produced using NOAA ARL Website (www.arl.noaa.gov/ready/)

NATIONAL OCEANIC ATMOSPHERIC ADMINISTRATION

Forward trajectories starting at 11 UTC 02 Sep 00

EDAS Meteorological Data



Job ID: 335243 Job Start: Mon Jan 6 19:36:35 GMT 2003

lat.: 38.75 lon.: -90.37 hgts: 150, 750, 1500 m AGL

Trajectory Direction: Forward Duration: 24 hrs

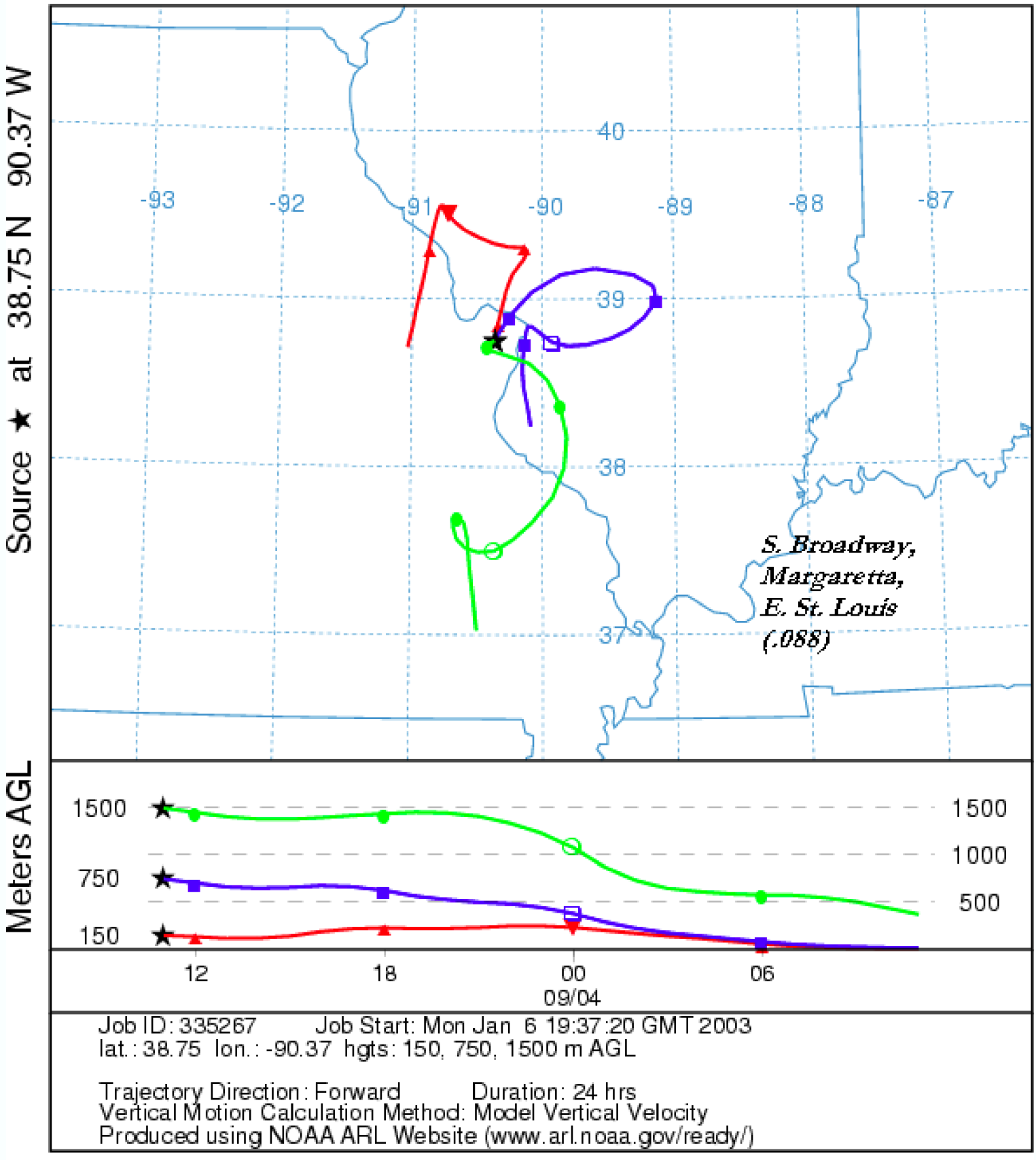
Vertical Motion Calculation Method: Model Vertical Velocity

Produced using NOAA ARL Website (www.arl.noaa.gov/ready/)

NATIONAL OCEANIC ATMOSPHERIC ADMINISTRATION

Forward trajectories starting at 11 UTC 03 Sep 00

EDAS Meteorological Data



Job ID: 335267 Job Start: Mon Jan 6 19:37:20 GMT 2003

lat.: 38.75 lon.: -90.37 hgts: 150, 750, 1500 m AGL

Trajectory Direction: Forward Duration: 24 hrs

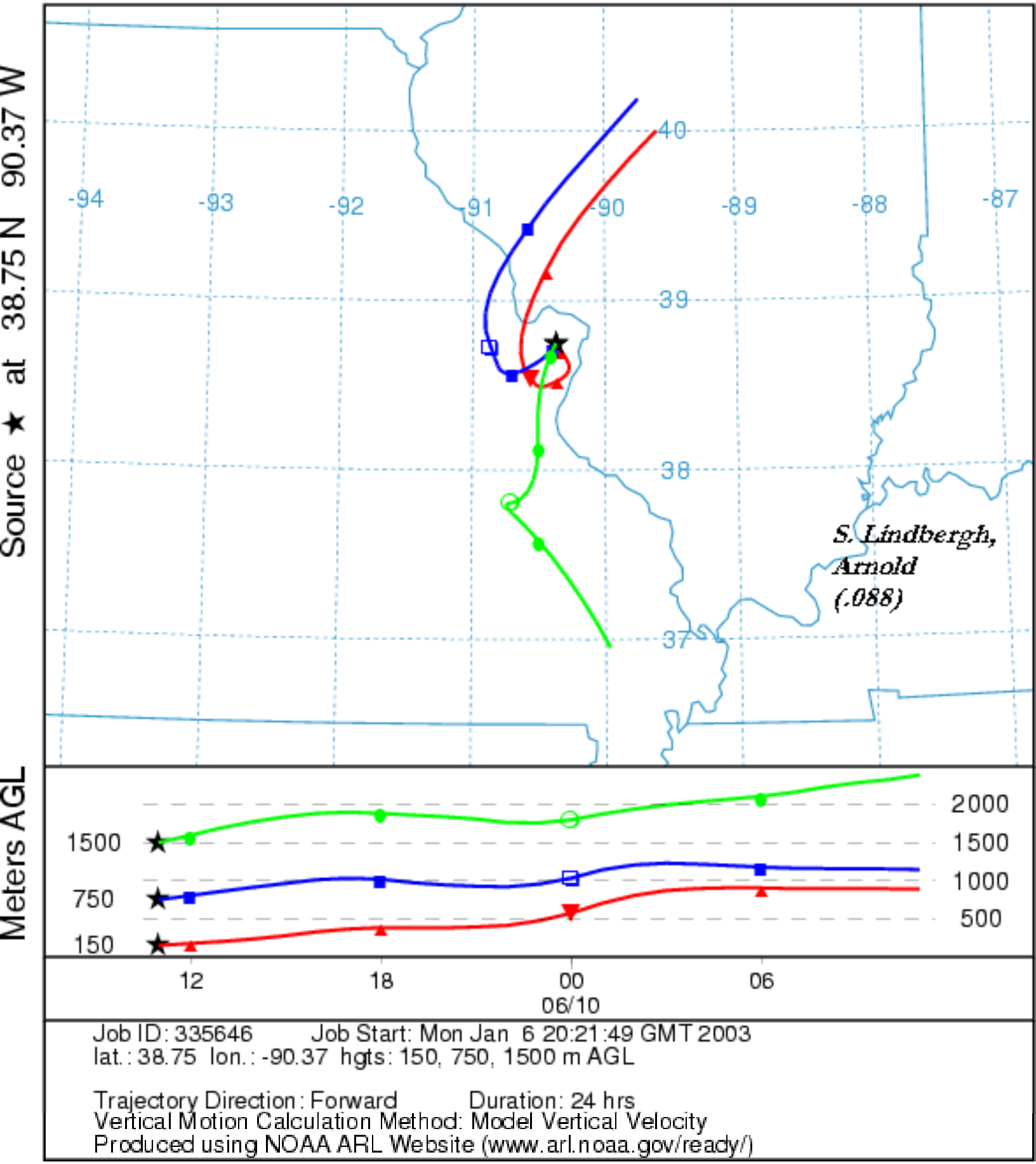
Vertical Motion Calculation Method: Model Vertical Velocity

Produced using NOAA ARL Website (www.arl.noaa.gov/ready/)

NATIONAL OCEANIC ATMOSPHERIC ADMINISTRATION

Forward trajectories starting at 11 UTC 09 Jun 01

EDAS Meteorological Data



Job ID: 335646 Job Start: Mon Jan 6 20:21:49 GMT 2003

lat.: 38.75 lon.: -90.37 hgts: 150, 750, 1500 m AGL

Trajectory Direction: Forward Duration: 24 hrs

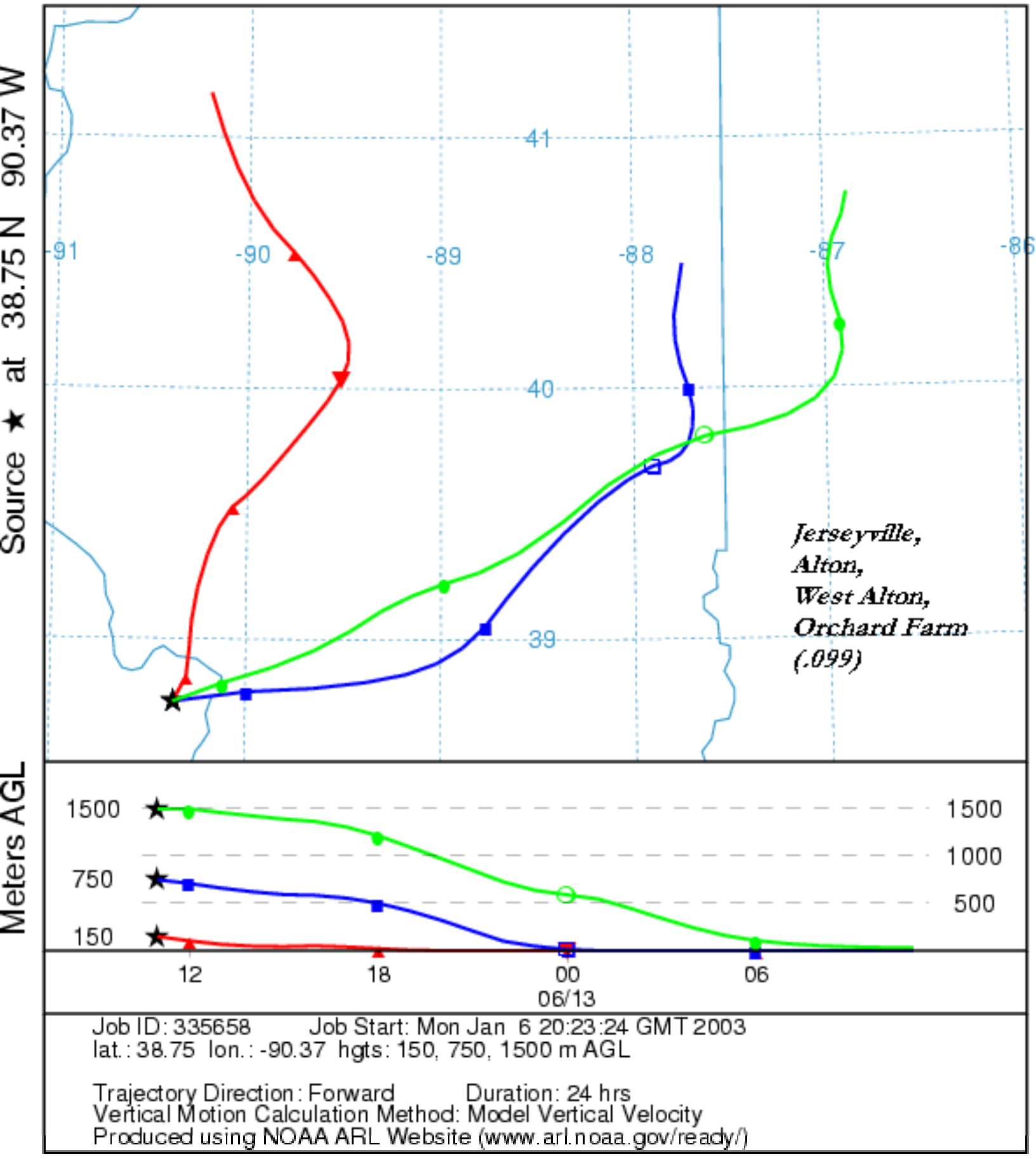
Vertical Motion Calculation Method: Model Vertical Velocity

Produced using NOAA ARL Website (www.arl.noaa.gov/ready/)

NATIONAL OCEANIC ATMOSPHERIC ADMINISTRATION

Forward trajectories starting at 11 UTC 12 Jun 01

EDAS Meteorological Data



Job ID: 335658 Job Start: Mon Jan 6 20:23:24 GMT 2003

lat.: 38.75 lon.: -90.37 hgts: 150, 750, 1500 m AGL

Trajectory Direction: Forward Duration: 24 hrs

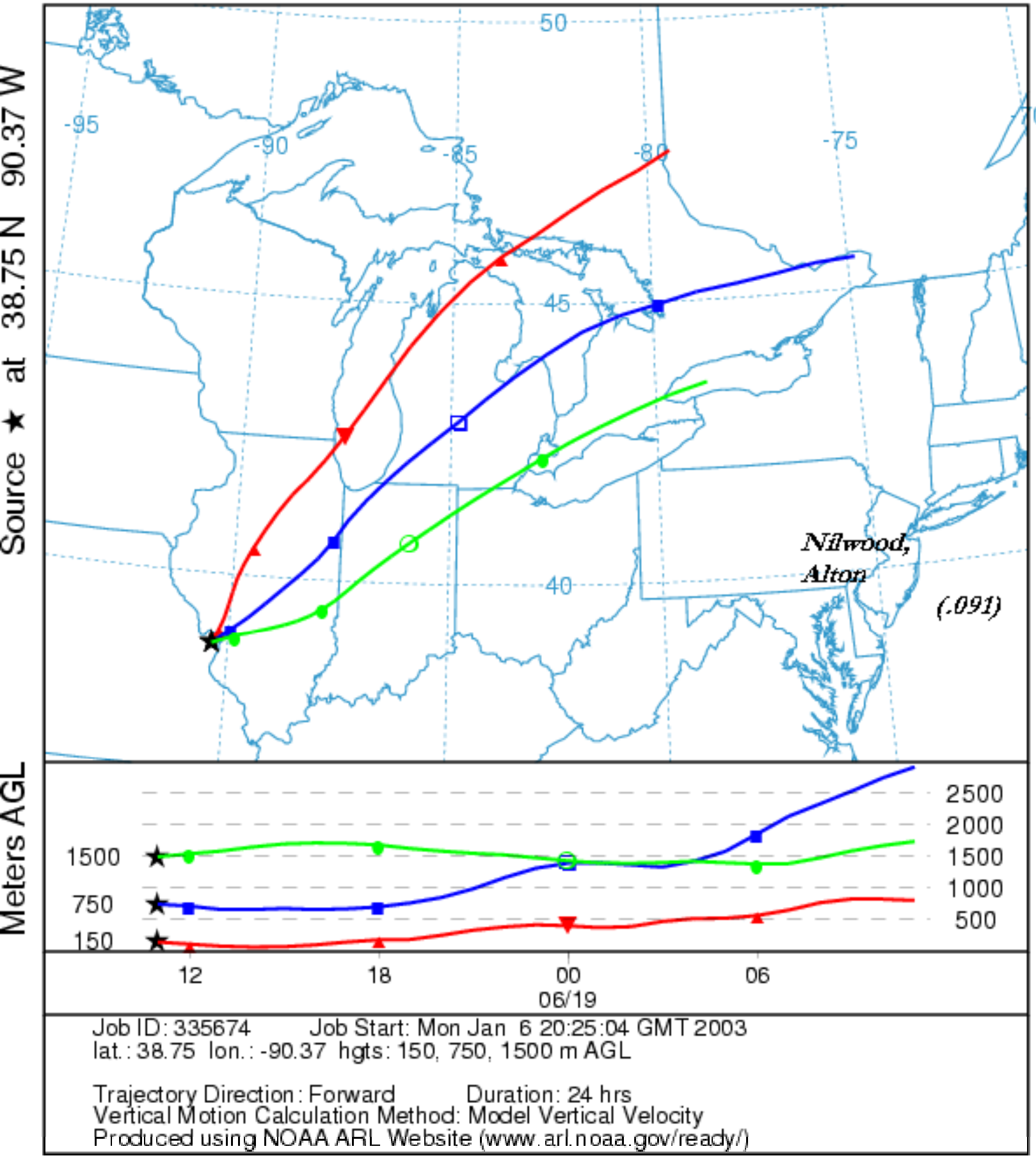
Vertical Motion Calculation Method: Model Vertical Velocity

Produced using NOAA ARL Website (www.arl.noaa.gov/ready/)

NATIONAL OCEANIC ATMOSPHERIC ADMINISTRATION

Forward trajectories starting at 11 UTC 18 Jun 01

EDAS Meteorological Data



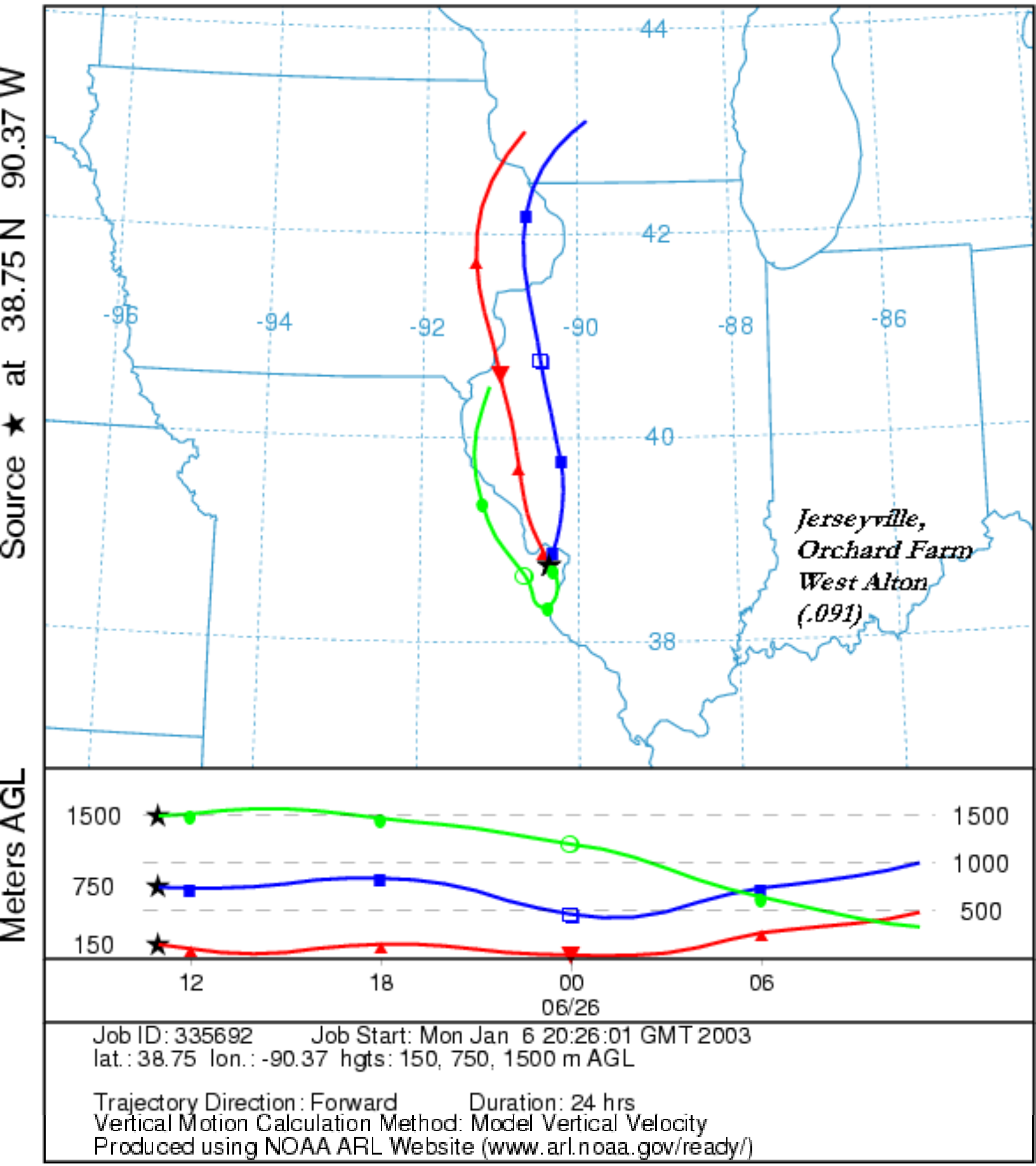
Job ID: 335674 Job Start: Mon Jan 6 20:25:04 GMT 2003
lat.: 38.75 lon.: -90.37 hgts: 150, 750, 1500 m AGL

Trajectory Direction: Forward Duration: 24 hrs
Vertical Motion Calculation Method: Model Vertical Velocity
Produced using NOAA ARL Website (www.arl.noaa.gov/ready/)

NATIONAL OCEANIC ATMOSPHERIC ADMINISTRATION

Forward trajectories starting at 11 UTC 25 Jun 01

EDAS Meteorological Data



Job ID: 335692 Job Start: Mon Jan 6 20:26:01 GMT 2003

lat.: 38.75 lon.: -90.37 hgts: 150, 750, 1500 m AGL

Trajectory Direction: Forward Duration: 24 hrs

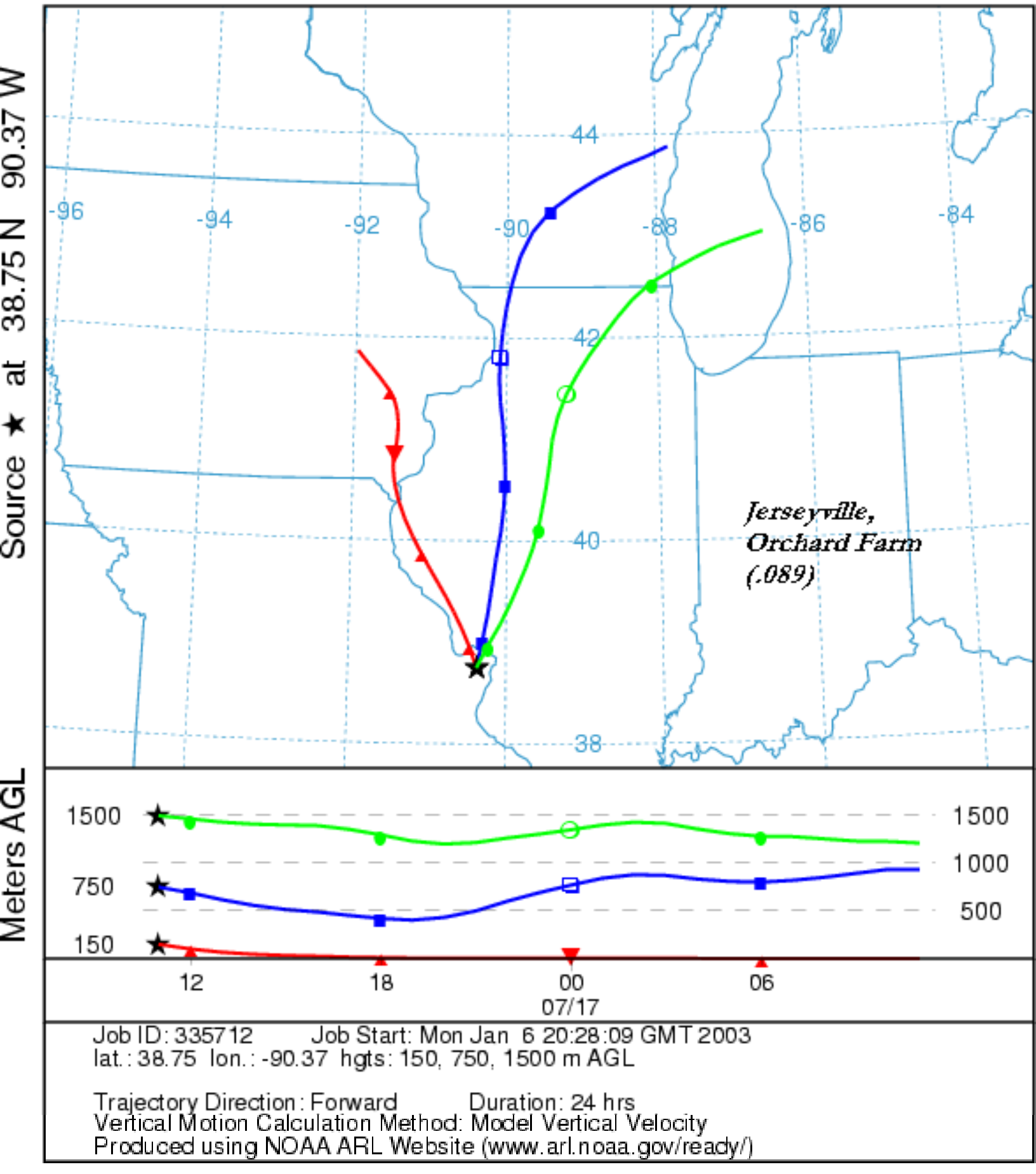
Vertical Motion Calculation Method: Model Vertical Velocity

Produced using NOAA ARL Website (www.arl.noaa.gov/ready/)

NATIONAL OCEANIC ATMOSPHERIC ADMINISTRATION

Forward trajectories starting at 11 UTC 16 Jul 01

EDAS Meteorological Data



Job ID: 335712 Job Start: Mon Jan 6 20:28:09 GMT 2003

lat.: 38.75 lon.: -90.37 hgts: 150, 750, 1500 m AGL

Trajectory Direction: Forward Duration: 24 hrs

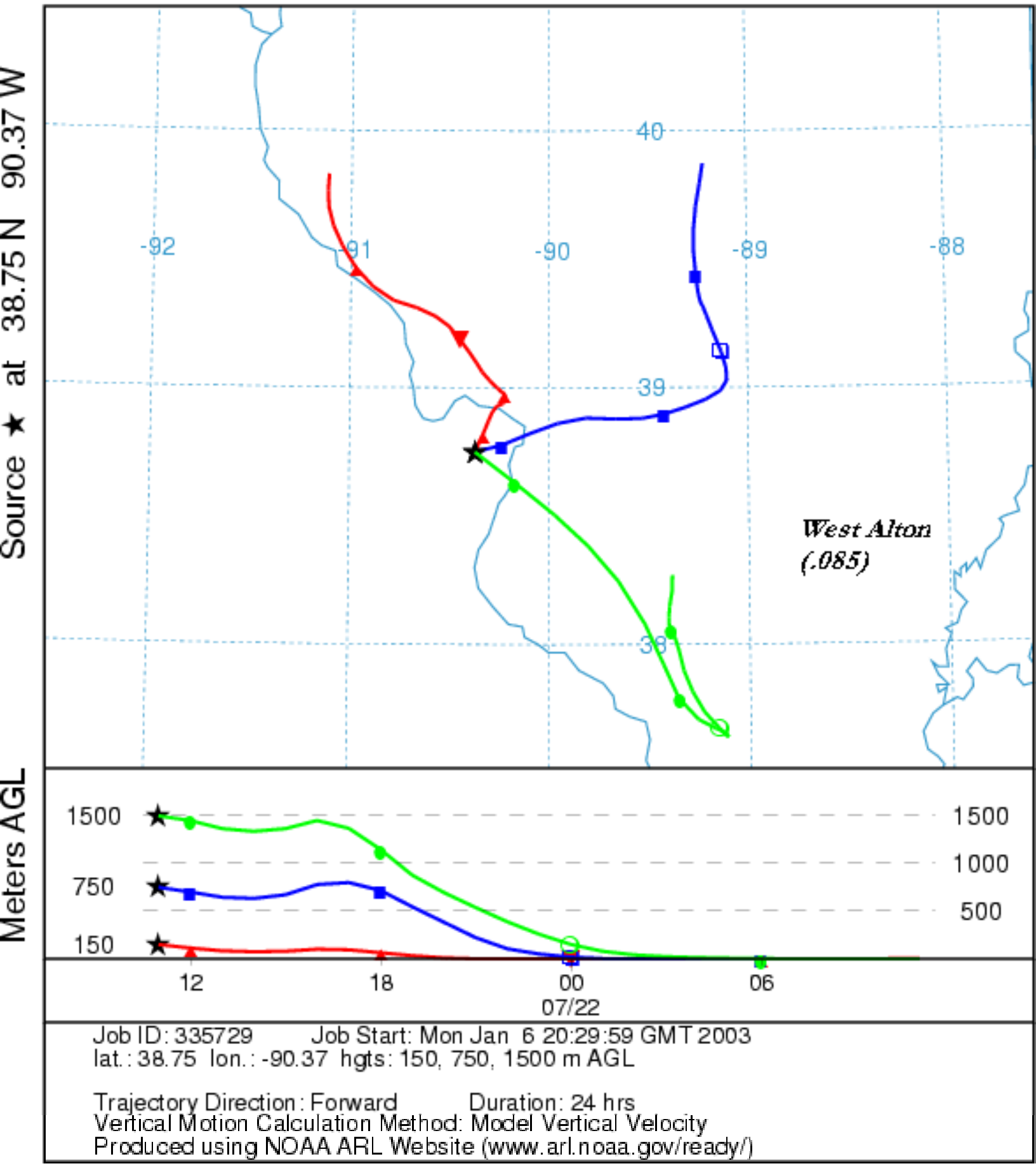
Vertical Motion Calculation Method: Model Vertical Velocity

Produced using NOAA ARL Website (www.arl.noaa.gov/ready/)

NATIONAL OCEANIC ATMOSPHERIC ADMINISTRATION

Forward trajectories starting at 11 UTC 21 Jul 01

EDAS Meteorological Data



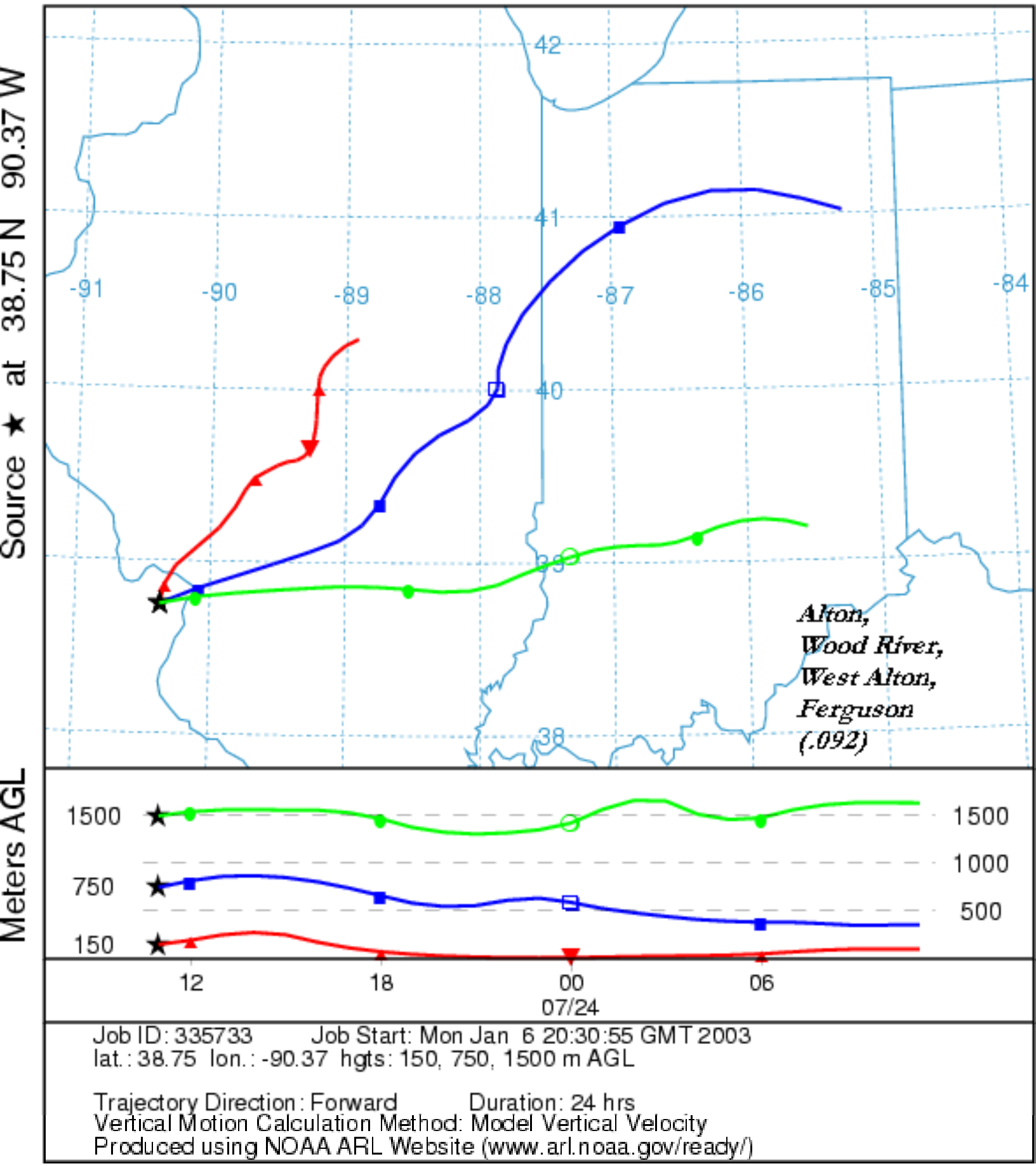
Job ID: 335729 Job Start: Mon Jan 6 20:29:59 GMT 2003
lat.: 38.75 lon.: -90.37 hgts: 150, 750, 1500 m AGL

Trajectory Direction: Forward Duration: 24 hrs
Vertical Motion Calculation Method: Model Vertical Velocity
Produced using NOAA ARL Website (www.arl.noaa.gov/ready/)

NATIONAL OCEANIC ATMOSPHERIC ADMINISTRATION

Forward trajectories starting at 11 UTC 23 Jul 01

EDAS Meteorological Data



Job ID: 335733 Job Start: Mon Jan 6 20:30:55 GMT 2003

lat.: 38.75 lon.: -90.37 hgts: 150, 750, 1500 m AGL

Trajectory Direction: Forward Duration: 24 hrs

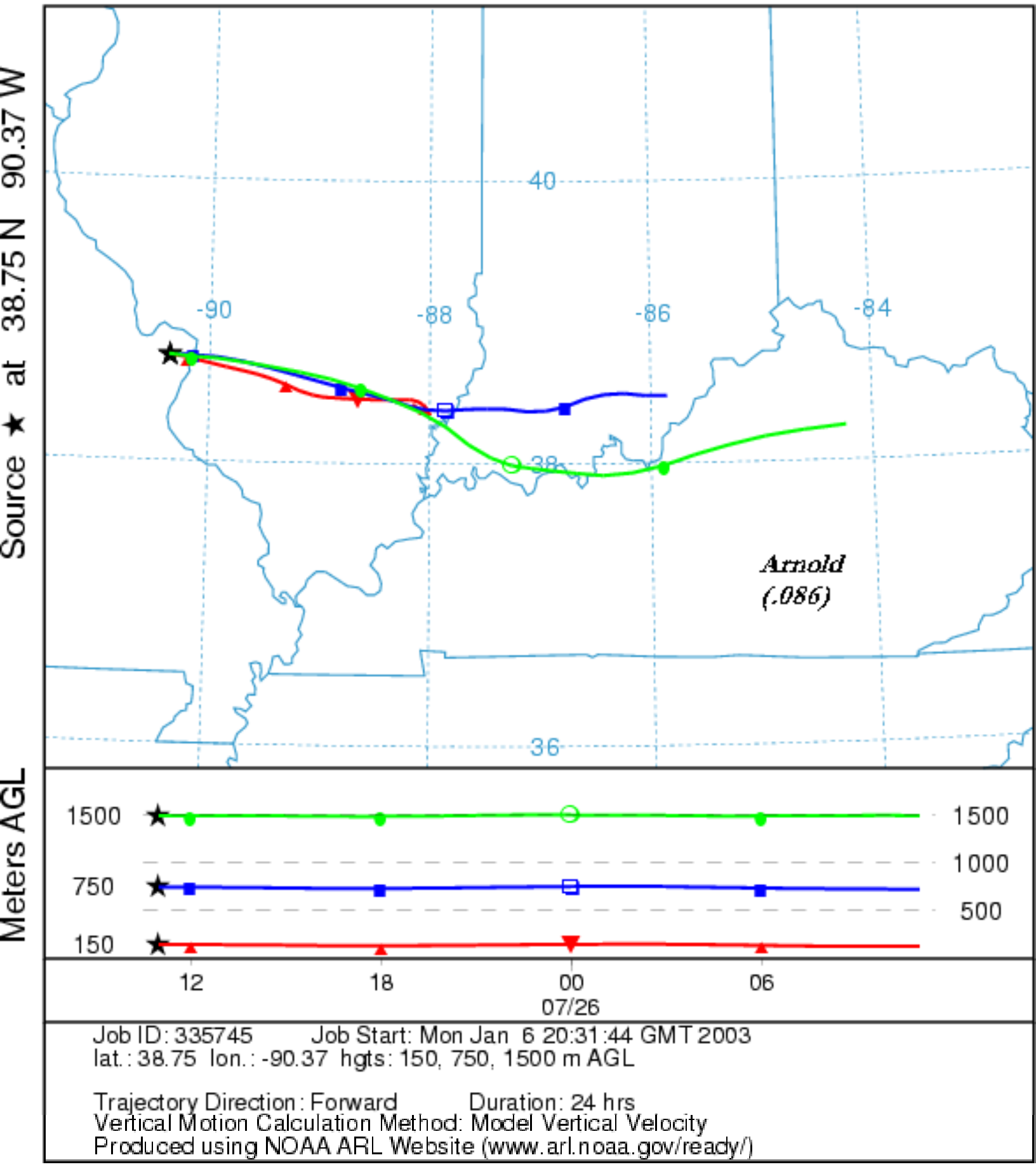
Vertical Motion Calculation Method: Model Vertical Velocity

Produced using NOAA ARL Website (www.arl.noaa.gov/ready/)

NATIONAL OCEANIC ATMOSPHERIC ADMINISTRATION

Forward trajectories starting at 11 UTC 25 Jul 01

EDAS Meteorological Data



Job ID: 335745 Job Start: Mon Jan 6 20:31:44 GMT 2003

lat.: 38.75 lon.: -90.37 hgts: 150, 750, 1500 m AGL

Trajectory Direction: Forward Duration: 24 hrs

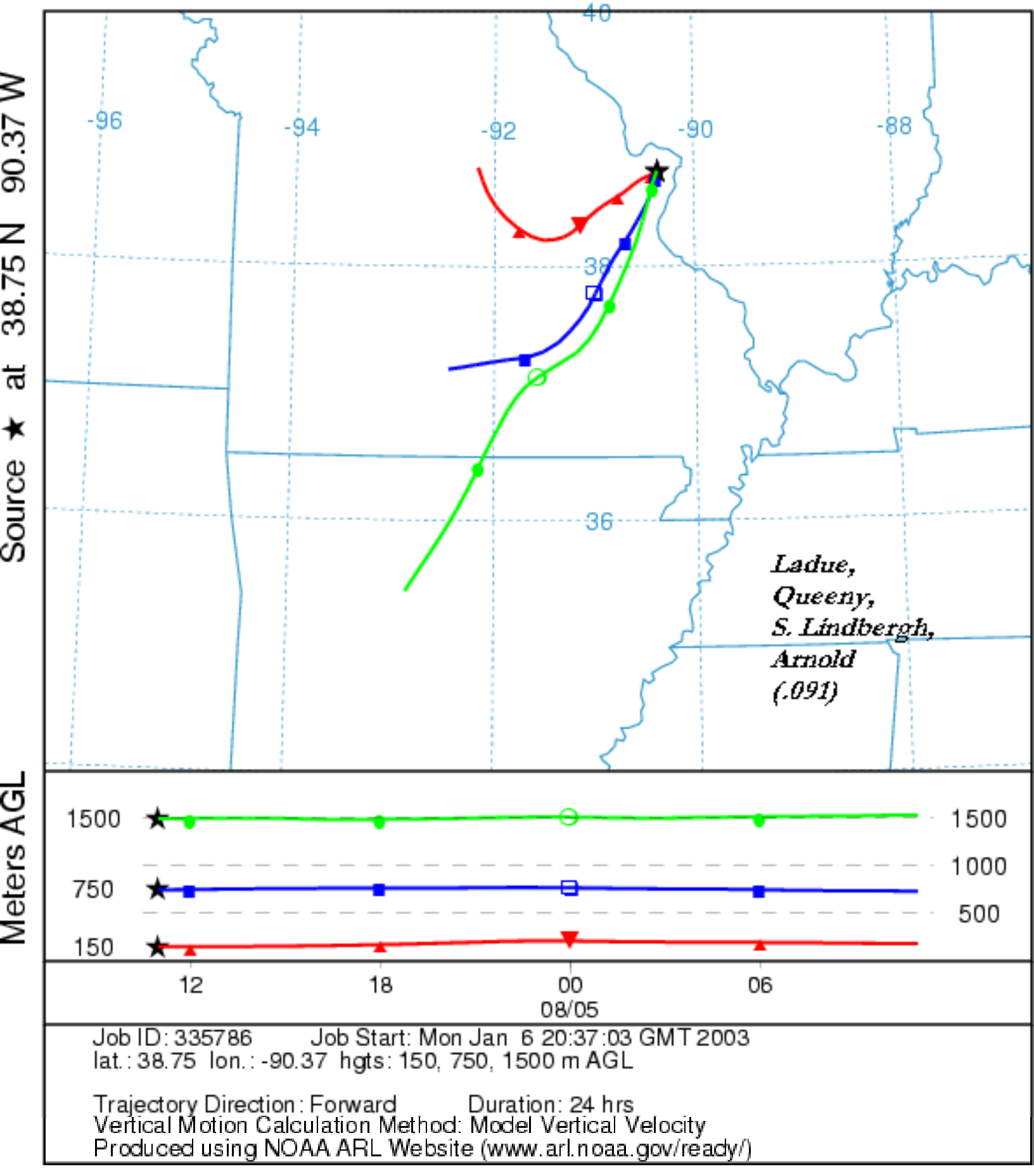
Vertical Motion Calculation Method: Model Vertical Velocity

Produced using NOAA ARL Website (www.arl.noaa.gov/ready/)

NATIONAL OCEANIC ATMOSPHERIC ADMINISTRATION

Forward trajectories starting at 11 UTC 04 Aug 01

EDAS Meteorological Data



Job ID: 335786 Job Start: Mon Jan 6 20:37:03 GMT 2003

lat.: 38.75 lon.: -90.37 hgts: 150, 750, 1500 m AGL

Trajectory Direction: Forward Duration: 24 hrs

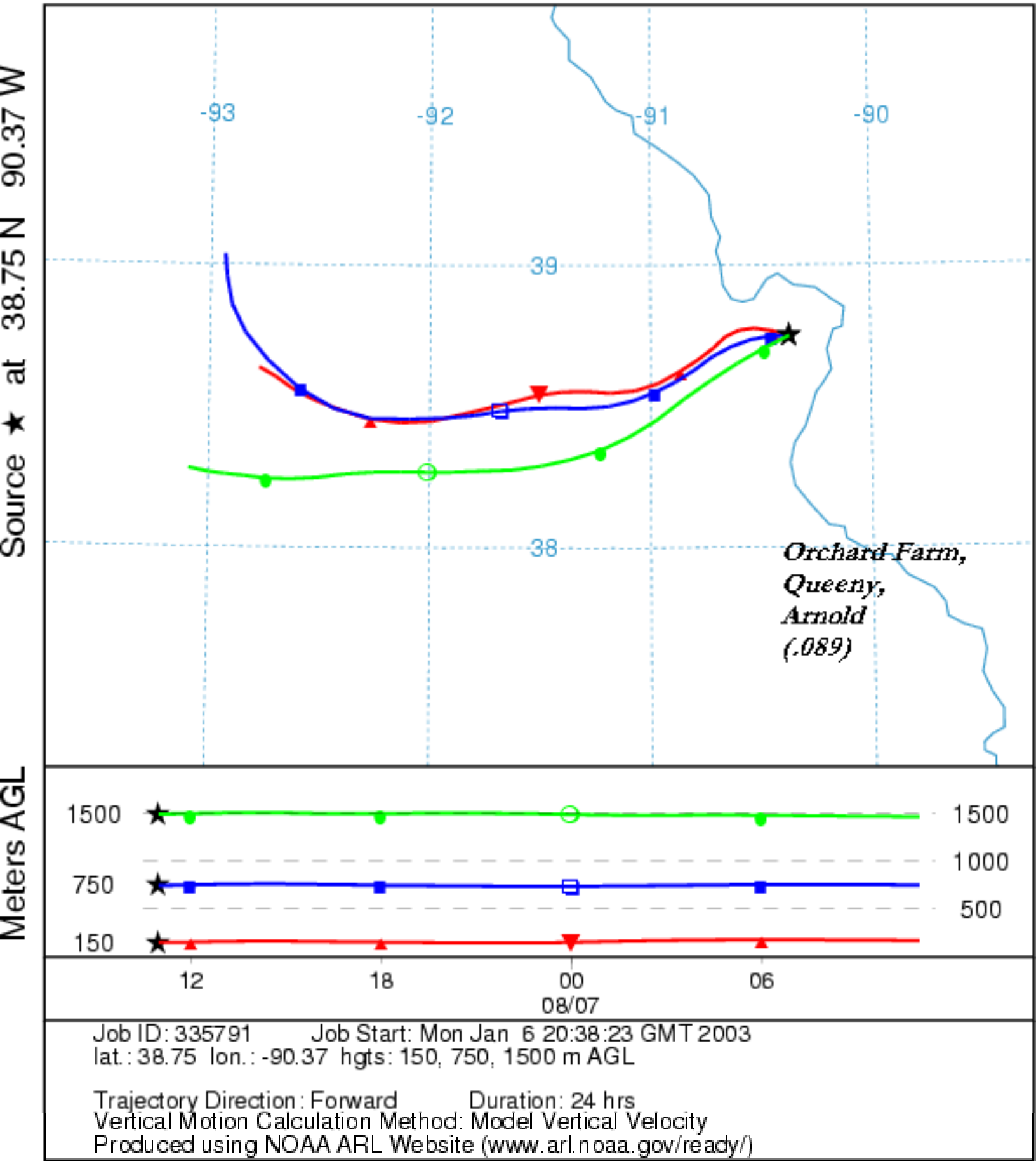
Vertical Motion Calculation Method: Model Vertical Velocity

Produced using NOAA ARL Website (www.arl.noaa.gov/ready/)

NATIONAL OCEANIC ATMOSPHERIC ADMINISTRATION

Forward trajectories starting at 11 UTC 06 Aug 01

EDAS Meteorological Data



Job ID: 335791 Job Start: Mon Jan 6 20:38:23 GMT 2003

lat.: 38.75 lon.: -90.37 hgts: 150, 750, 1500 m AGL

Trajectory Direction: Forward Duration: 24 hrs

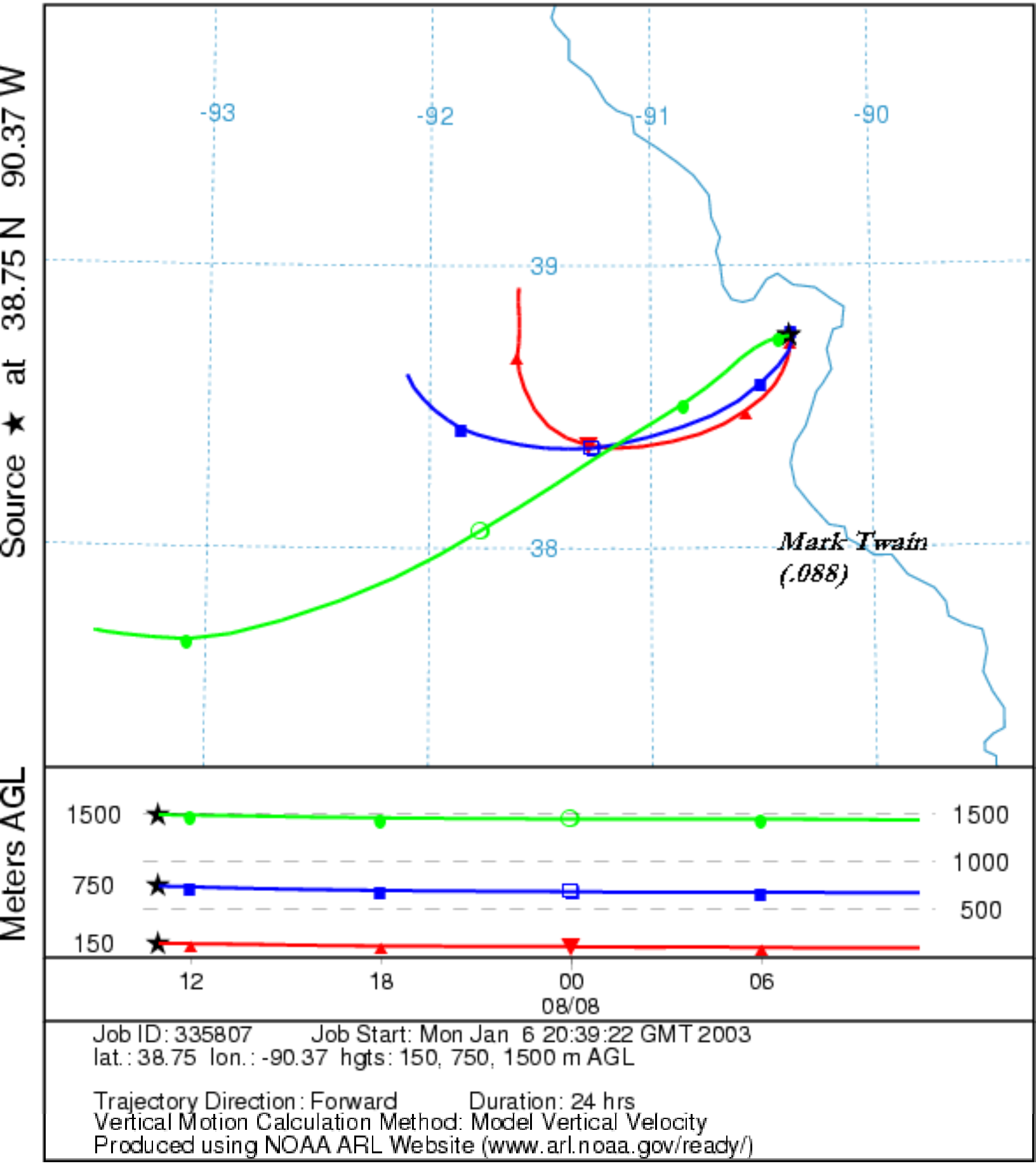
Vertical Motion Calculation Method: Model Vertical Velocity

Produced using NOAA ARL Website (www.arl.noaa.gov/ready/)

NATIONAL OCEANIC ATMOSPHERIC ADMINISTRATION

Forward trajectories starting at 11 UTC 07 Aug 01

EDAS Meteorological Data



Job ID: 335807 Job Start: Mon Jan 6 20:39:22 GMT 2003

lat.: 38.75 lon.: -90.37 hgts: 150, 750, 1500 m AGL

Trajectory Direction: Forward Duration: 24 hrs

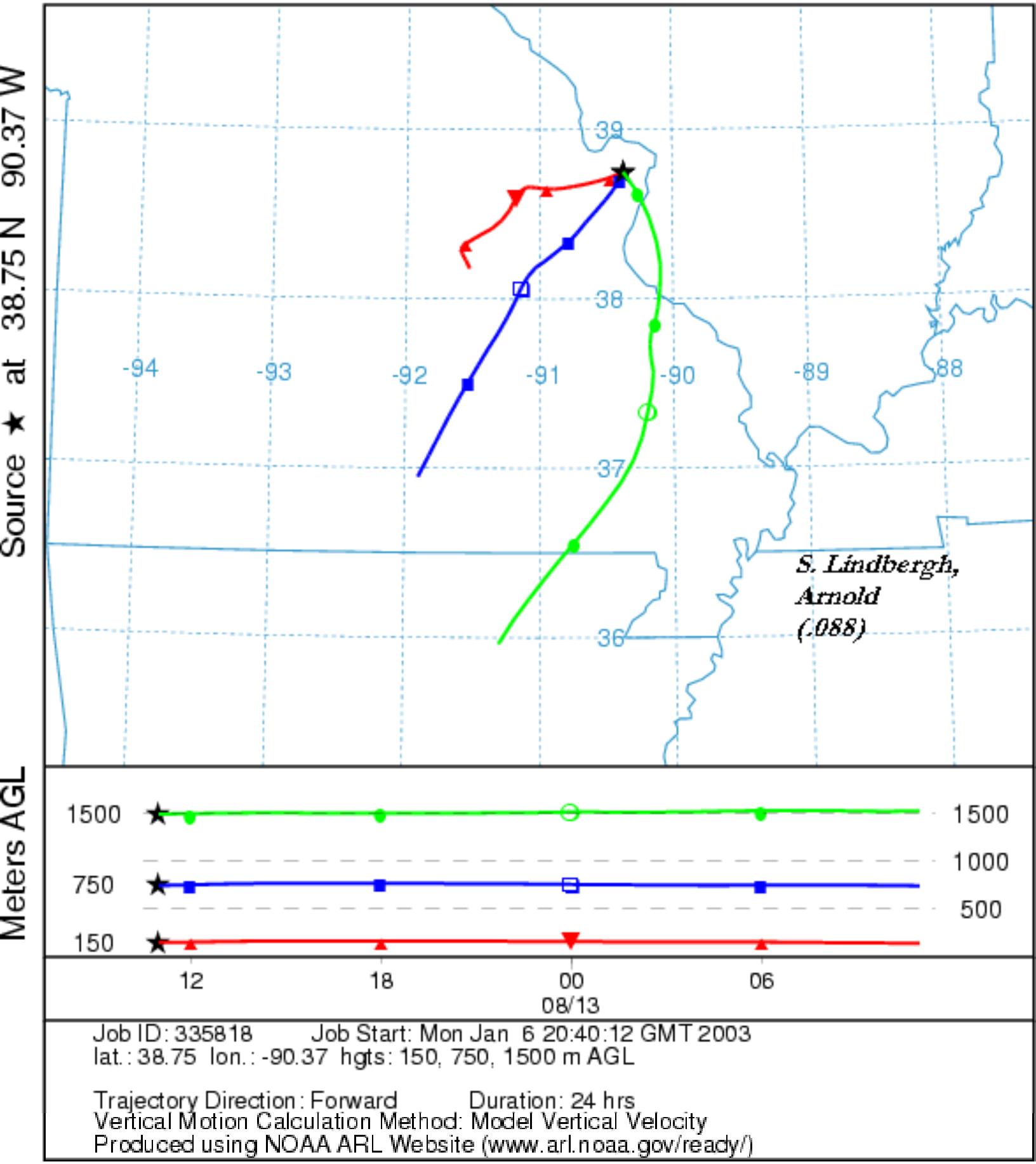
Vertical Motion Calculation Method: Model Vertical Velocity

Produced using NOAA ARL Website (www.arl.noaa.gov/ready/)

NATIONAL OCEANIC ATMOSPHERIC ADMINISTRATION

Forward trajectories starting at 11 UTC 12 Aug 01

EDAS Meteorological Data



Job ID: 335818 Job Start: Mon Jan 6 20:40:12 GMT 2003

lat.: 38.75 lon.: -90.37 hgts: 150, 750, 1500 m AGL

Trajectory Direction: Forward Duration: 24 hrs

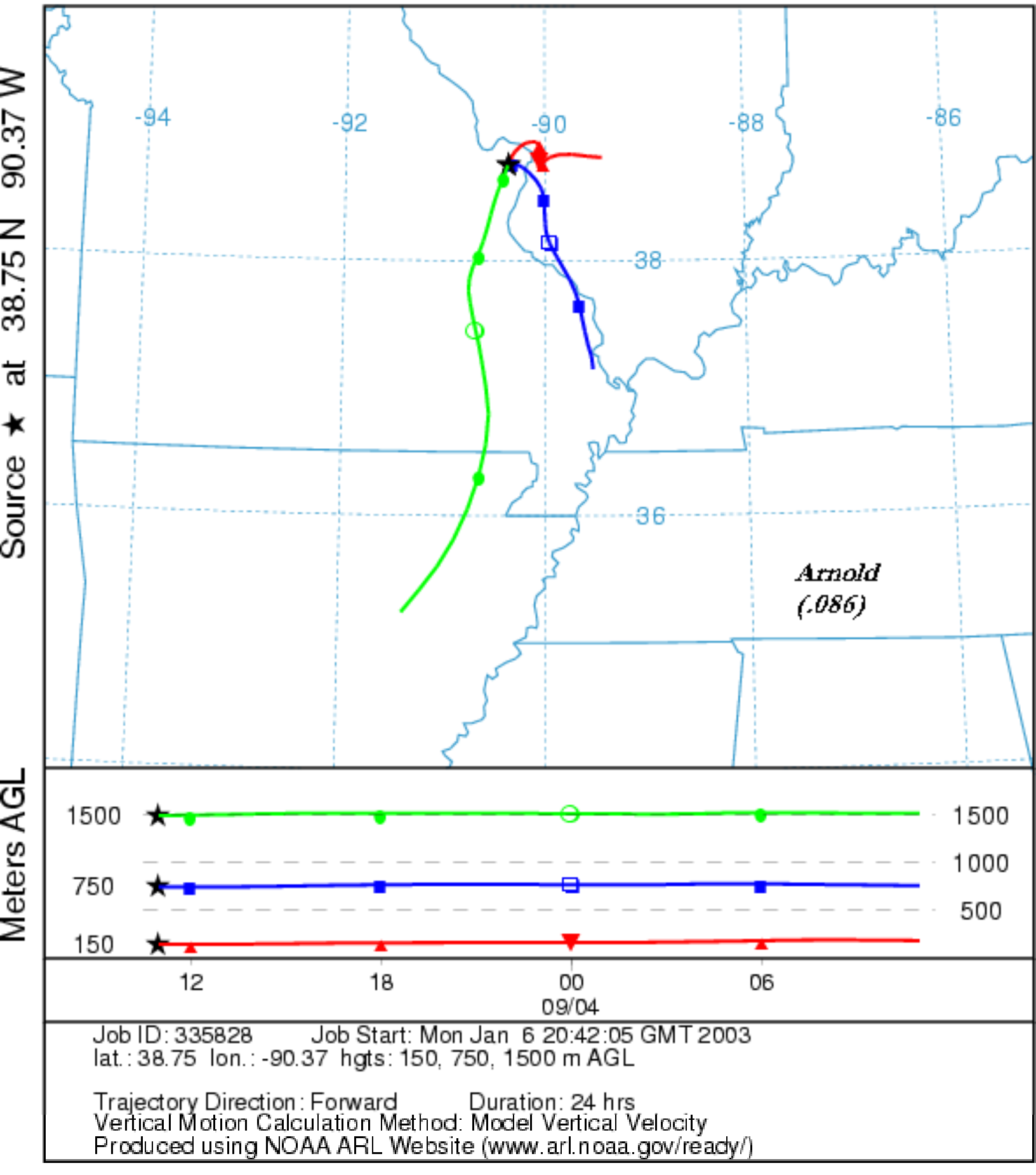
Vertical Motion Calculation Method: Model Vertical Velocity

Produced using NOAA ARL Website (www.arl.noaa.gov/ready/)

NATIONAL OCEANIC ATMOSPHERIC ADMINISTRATION

Forward trajectories starting at 11 UTC 03 Sep 01

EDAS Meteorological Data



Job ID: 335828 Job Start: Mon Jan 6 20:42:05 GMT 2003

lat.: 38.75 lon.: -90.37 hgts: 150, 750, 1500 m AGL

Trajectory Direction: Forward Duration: 24 hrs

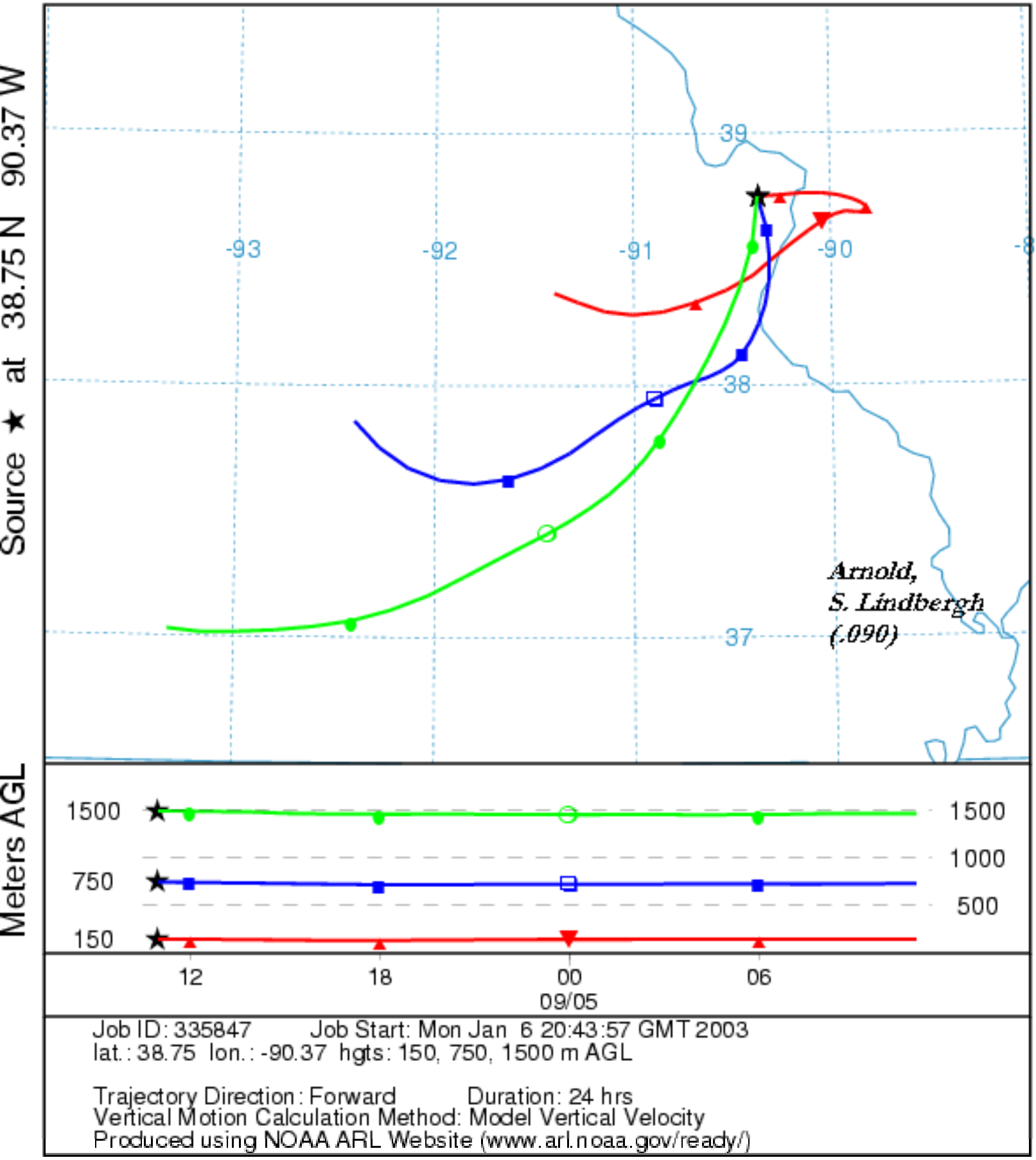
Vertical Motion Calculation Method: Model Vertical Velocity

Produced using NOAA ARL Website (www.arl.noaa.gov/ready/)

NATIONAL OCEANIC ATMOSPHERIC ADMINISTRATION

Forward trajectories starting at 11 UTC 04 Sep 01

EDAS Meteorological Data



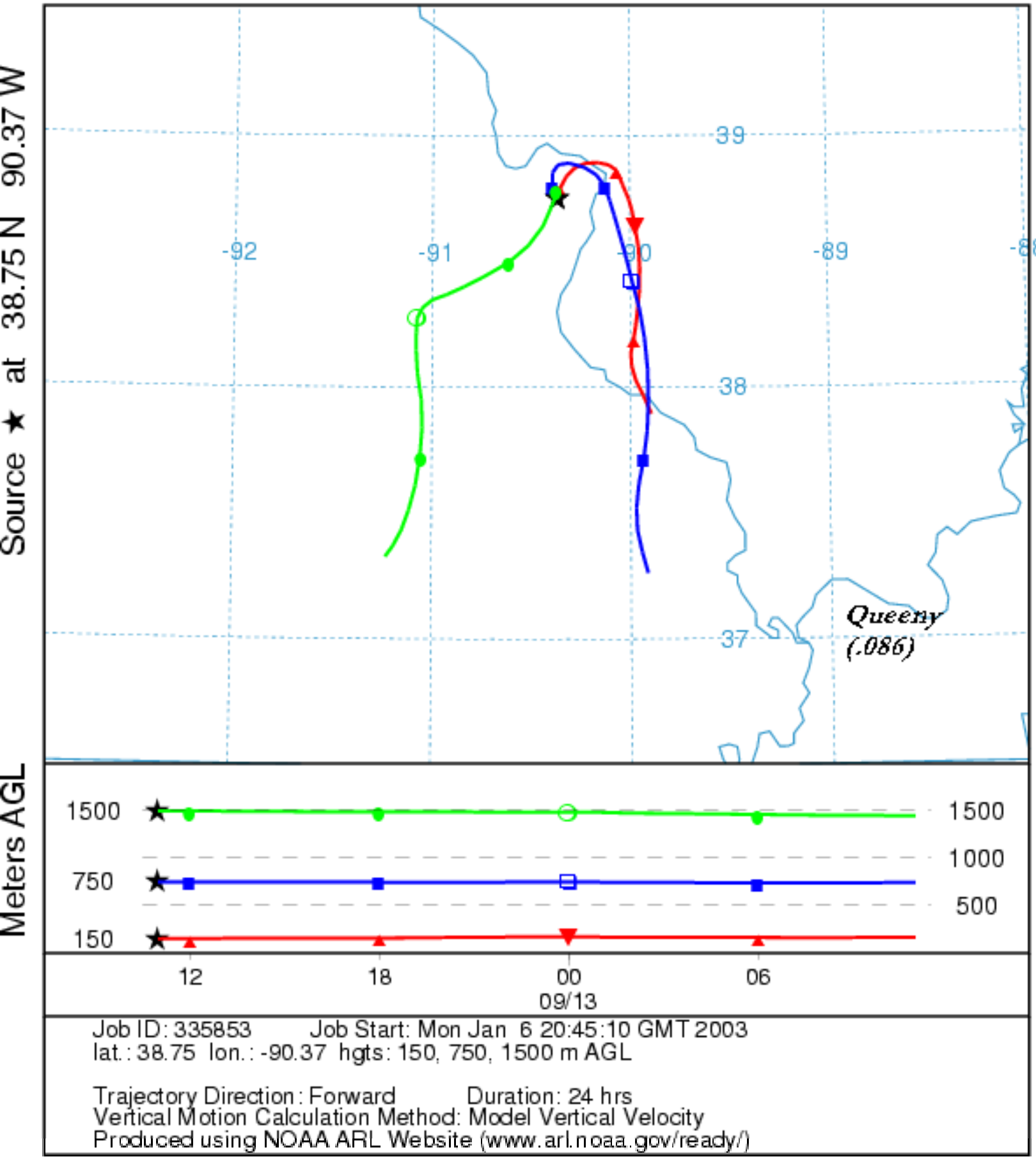
Job ID: 335847 Job Start: Mon Jan 6 20:43:57 GMT 2003
lat.: 38.75 lon.: -90.37 hgts: 150, 750, 1500 m AGL

Trajectory Direction: Forward Duration: 24 hrs
Vertical Motion Calculation Method: Model Vertical Velocity
Produced using NOAA ARL Website (www.arl.noaa.gov/ready/)

NATIONAL OCEANIC ATMOSPHERIC ADMINISTRATION

Forward trajectories starting at 11 UTC 12 Sep 01

EDAS Meteorological Data



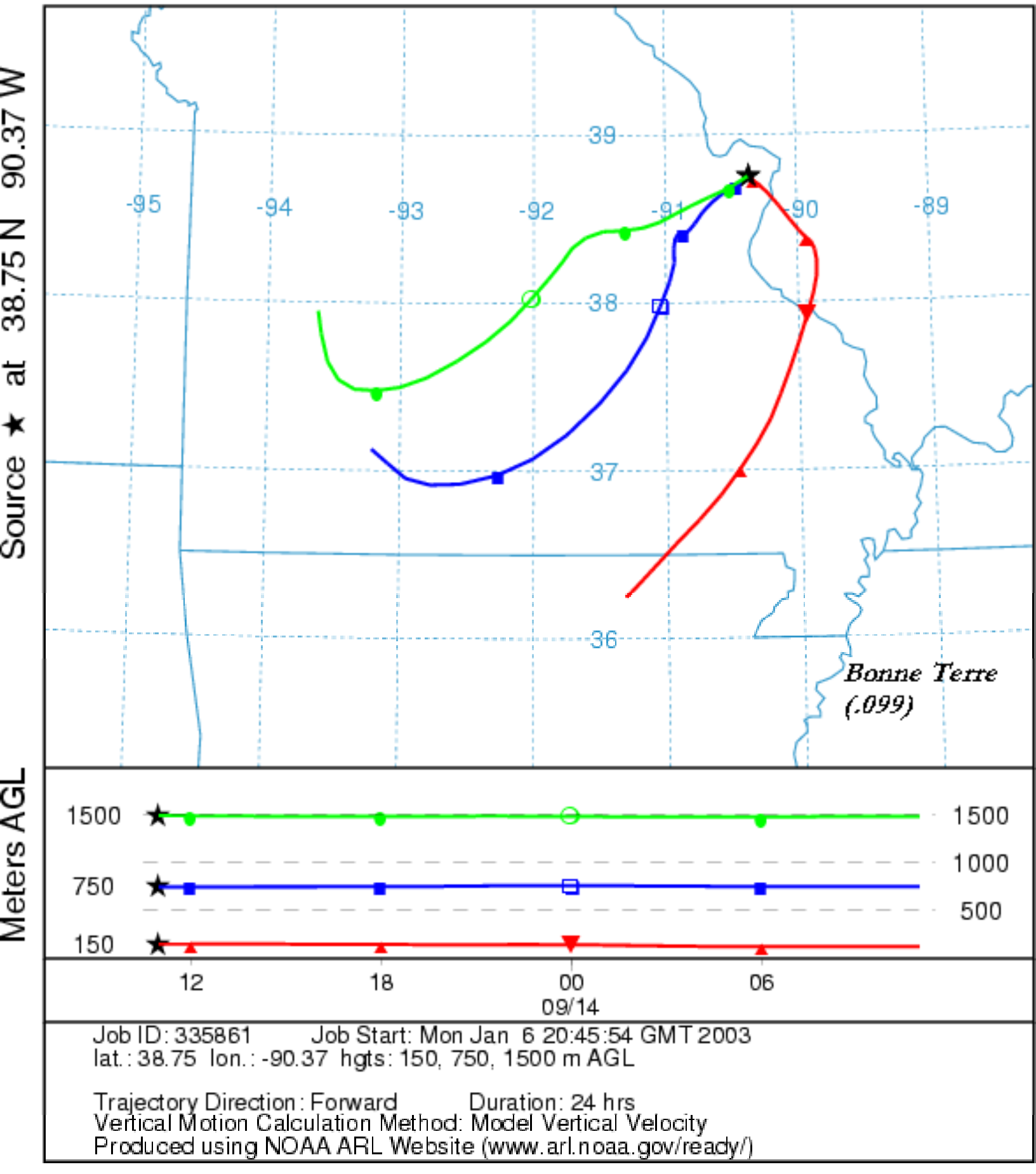
Job ID: 335853 Job Start: Mon Jan 6 20:45:10 GMT 2003
lat.: 38.75 lon.: -90.37 hgts: 150, 750, 1500 m AGL

Trajectory Direction: Forward Duration: 24 hrs
Vertical Motion Calculation Method: Model Vertical Velocity
Produced using NOAA ARL Website (www.arl.noaa.gov/ready/)

NATIONAL OCEANIC ATMOSPHERIC ADMINISTRATION

Forward trajectories starting at 11 UTC 13 Sep 01

EDAS Meteorological Data



Job ID: 335861 Job Start: Mon Jan 6 20:45:54 GMT 2003

lat.: 38.75 lon.: -90.37 hgts: 150, 750, 1500 m AGL

Trajectory Direction: Forward Duration: 24 hrs

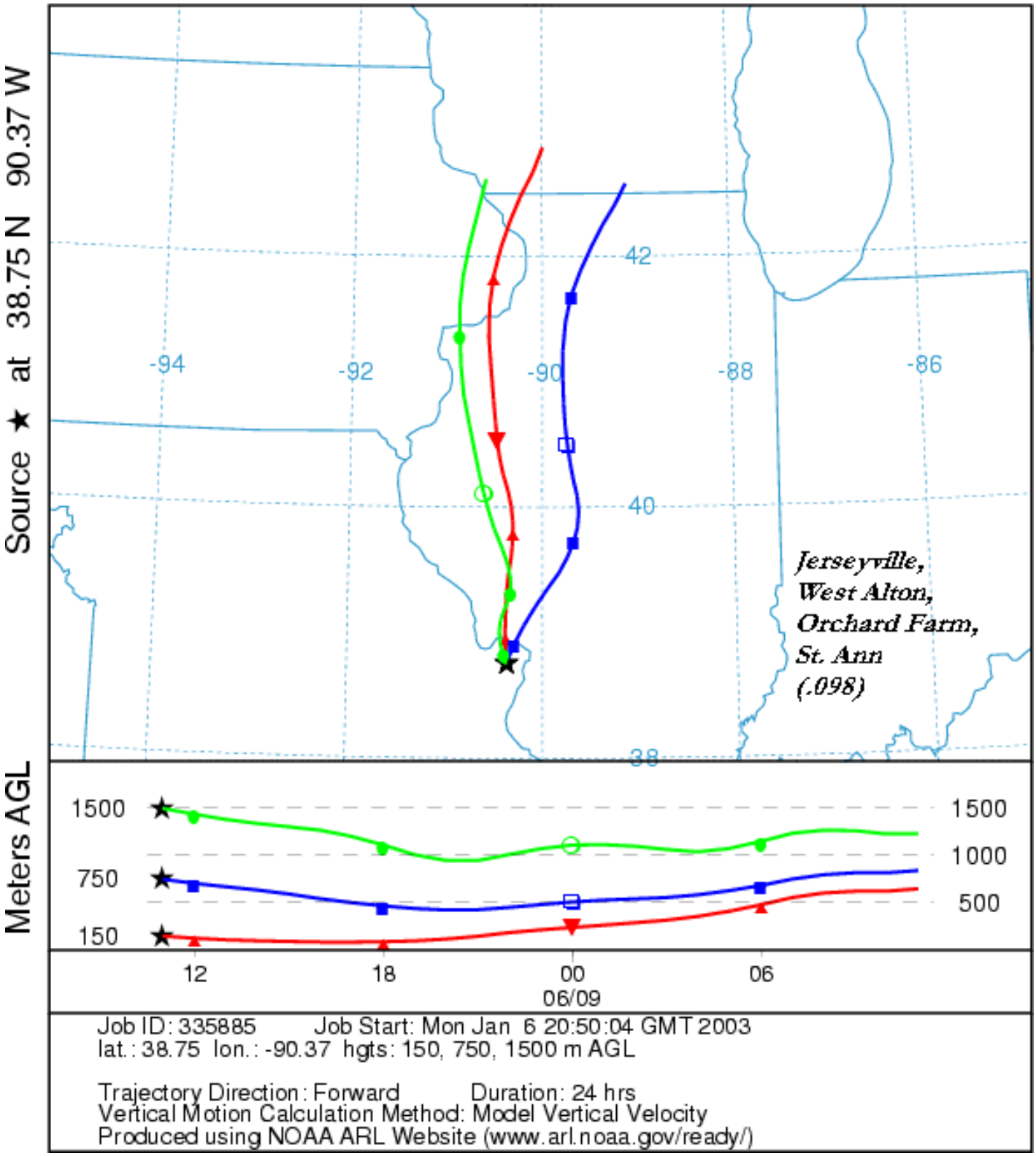
Vertical Motion Calculation Method: Model Vertical Velocity

Produced using NOAA ARL Website (www.arl.noaa.gov/ready/)

NATIONAL OCEANIC ATMOSPHERIC ADMINISTRATION

Forward trajectories starting at 11 UTC 08 Jun 02

EDAS Meteorological Data



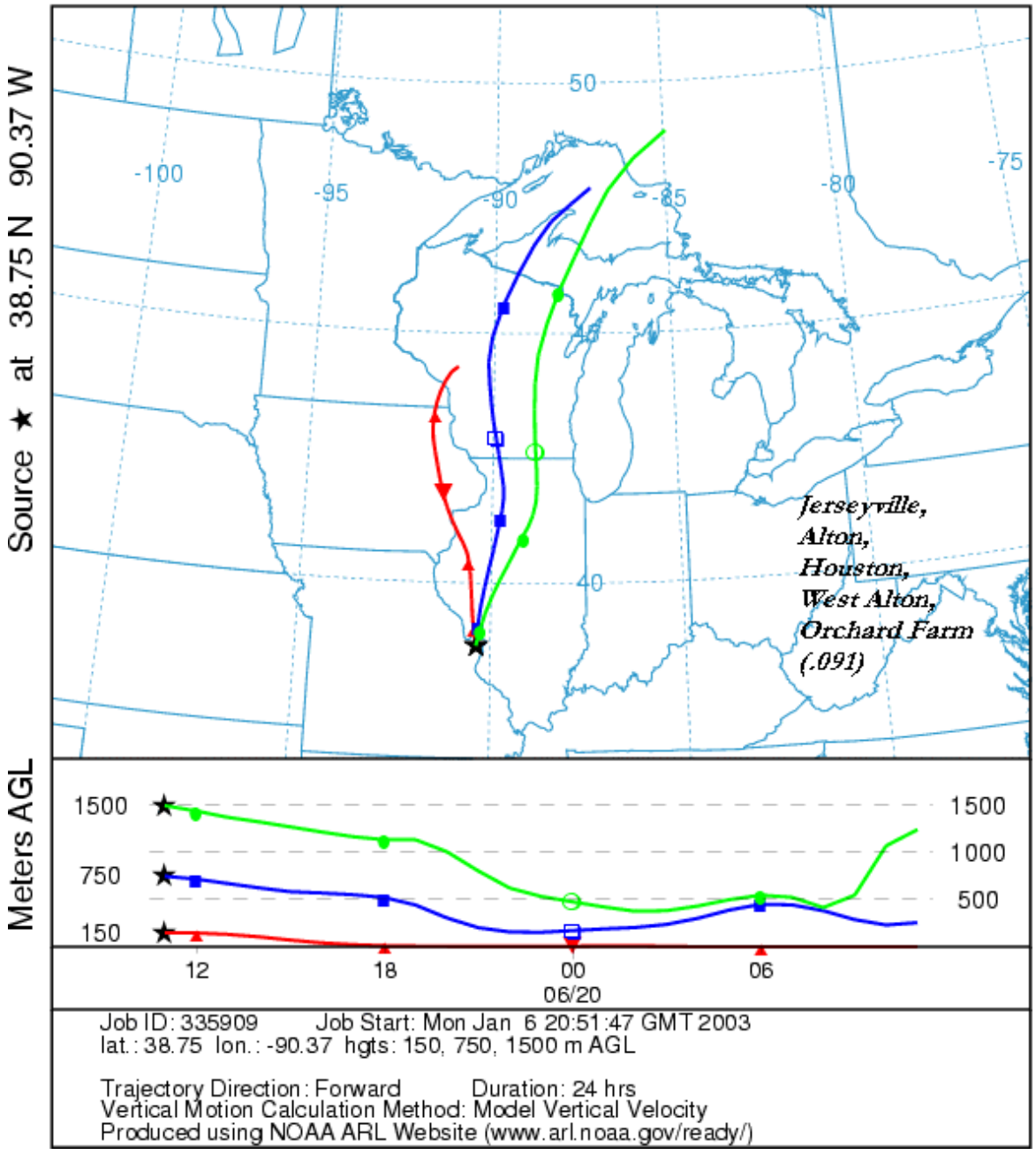
Job ID: 335885 Job Start: Mon Jan 6 20:50:04 GMT 2003
lat.: 38.75 lon.: -90.37 hgts: 150, 750, 1500 m AGL

Trajectory Direction: Forward Duration: 24 hrs
Vertical Motion Calculation Method: Model Vertical Velocity
Produced using NOAA ARL Website (www.arl.noaa.gov/ready/)

NATIONAL OCEANIC ATMOSPHERIC ADMINISTRATION

Forward trajectories starting at 11 UTC 19 Jun 02

EDAS Meteorological Data



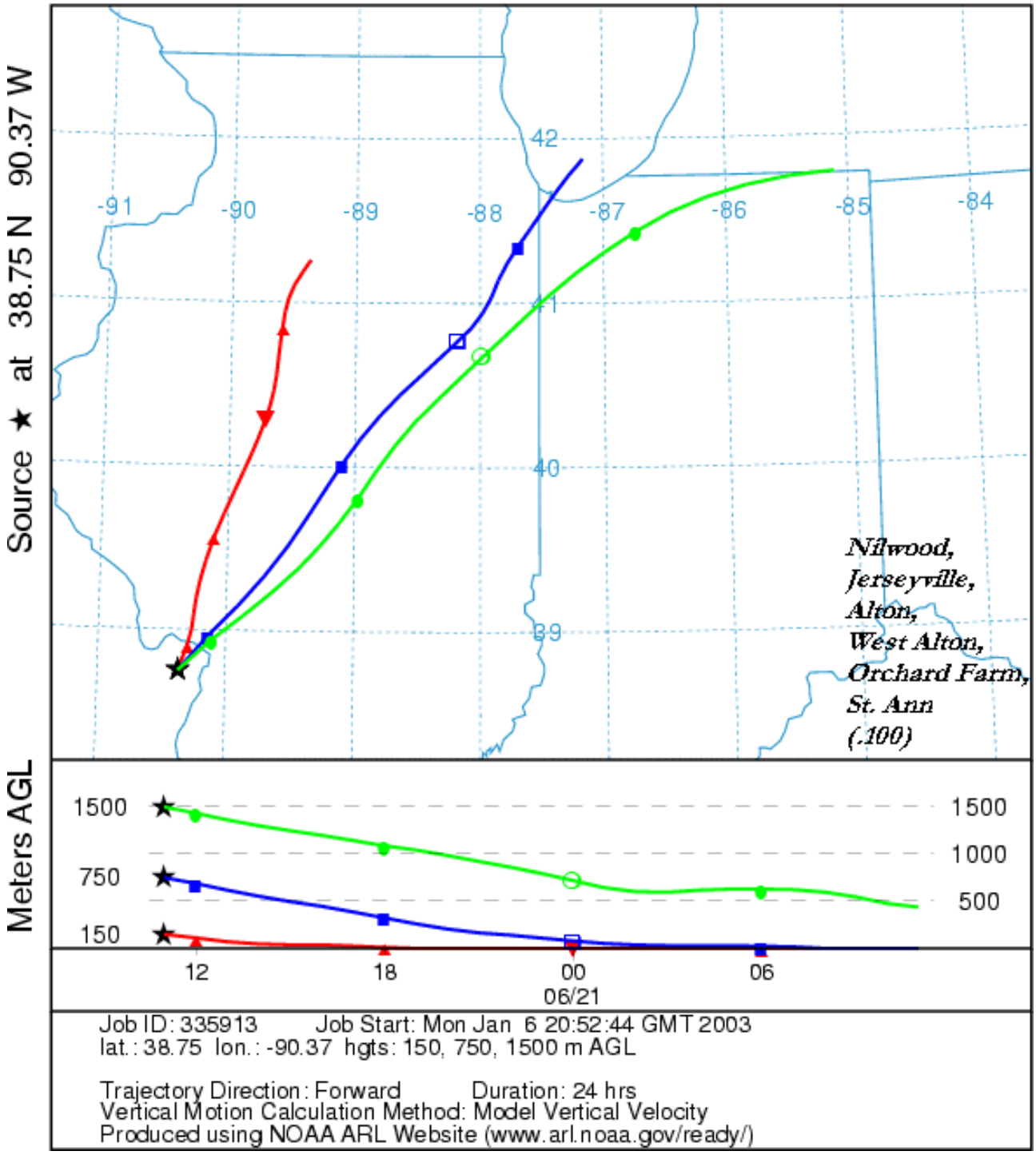
Job ID: 335909 Job Start: Mon Jan 6 20:51:47 GMT 2003
lat.: 38.75 lon.: -90.37 hgts: 150, 750, 1500 m AGL

Trajectory Direction: Forward Duration: 24 hrs
Vertical Motion Calculation Method: Model Vertical Velocity
Produced using NOAA ARL Website (www.arl.noaa.gov/ready/)

NATIONAL OCEANIC ATMOSPHERIC ADMINISTRATION

Forward trajectories starting at 11 UTC 20 Jun 02

EDAS Meteorological Data



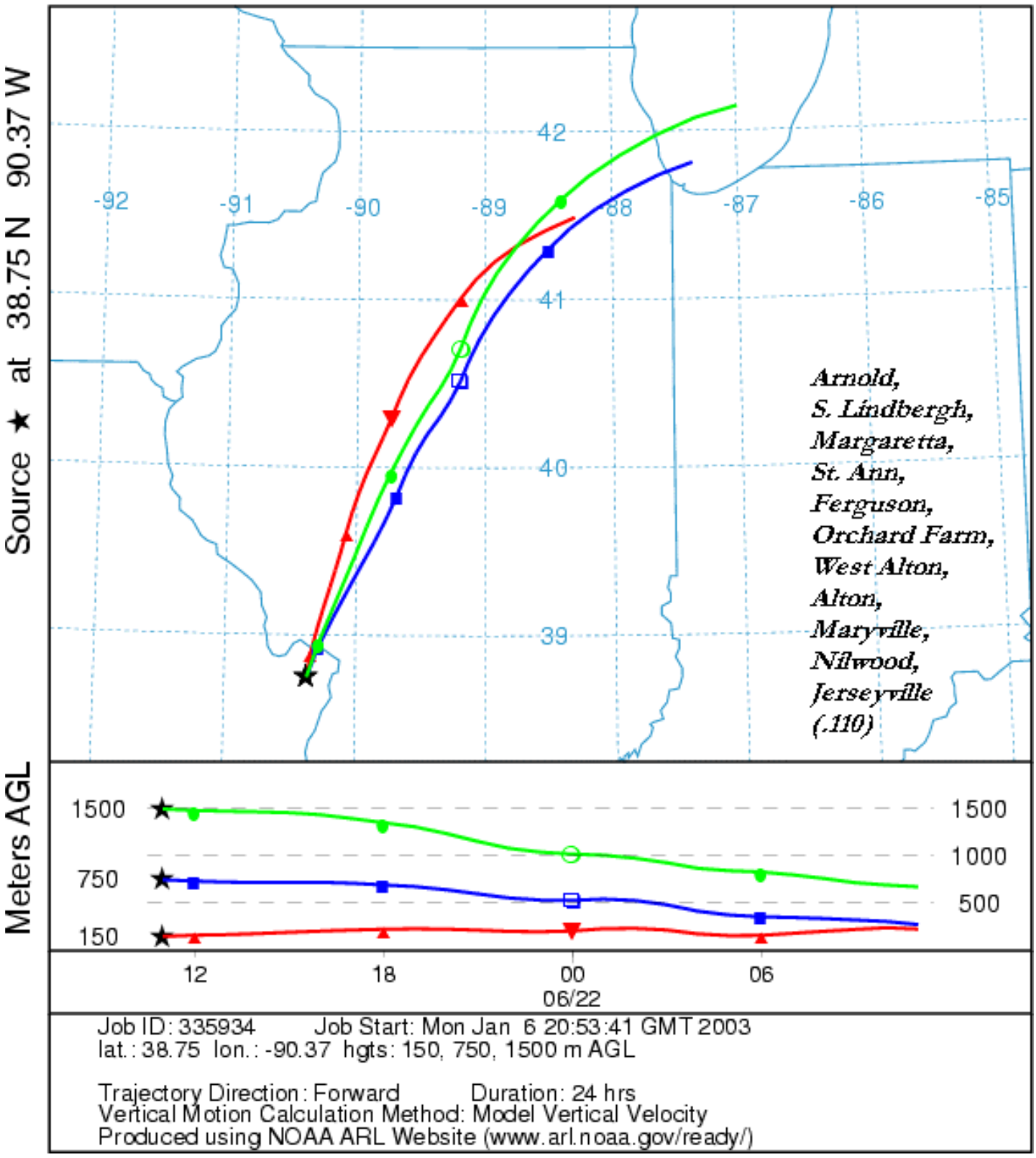
Job ID: 335913 Job Start: Mon Jan 6 20:52:44 GMT 2003
lat.: 38.75 lon.: -90.37 hgts: 150, 750, 1500 m AGL

Trajectory Direction: Forward Duration: 24 hrs
Vertical Motion Calculation Method: Model Vertical Velocity
Produced using NOAA ARL Website (www.arl.noaa.gov/ready/)

NATIONAL OCEANIC ATMOSPHERIC ADMINISTRATION

Forward trajectories starting at 11 UTC 21 Jun 02

EDAS Meteorological Data



Job ID: 335934 Job Start: Mon Jan 6 20:53:41 GMT 2003

lat.: 38.75 lon.: -90.37 hgts: 150, 750, 1500 m AGL

Trajectory Direction: Forward Duration: 24 hrs

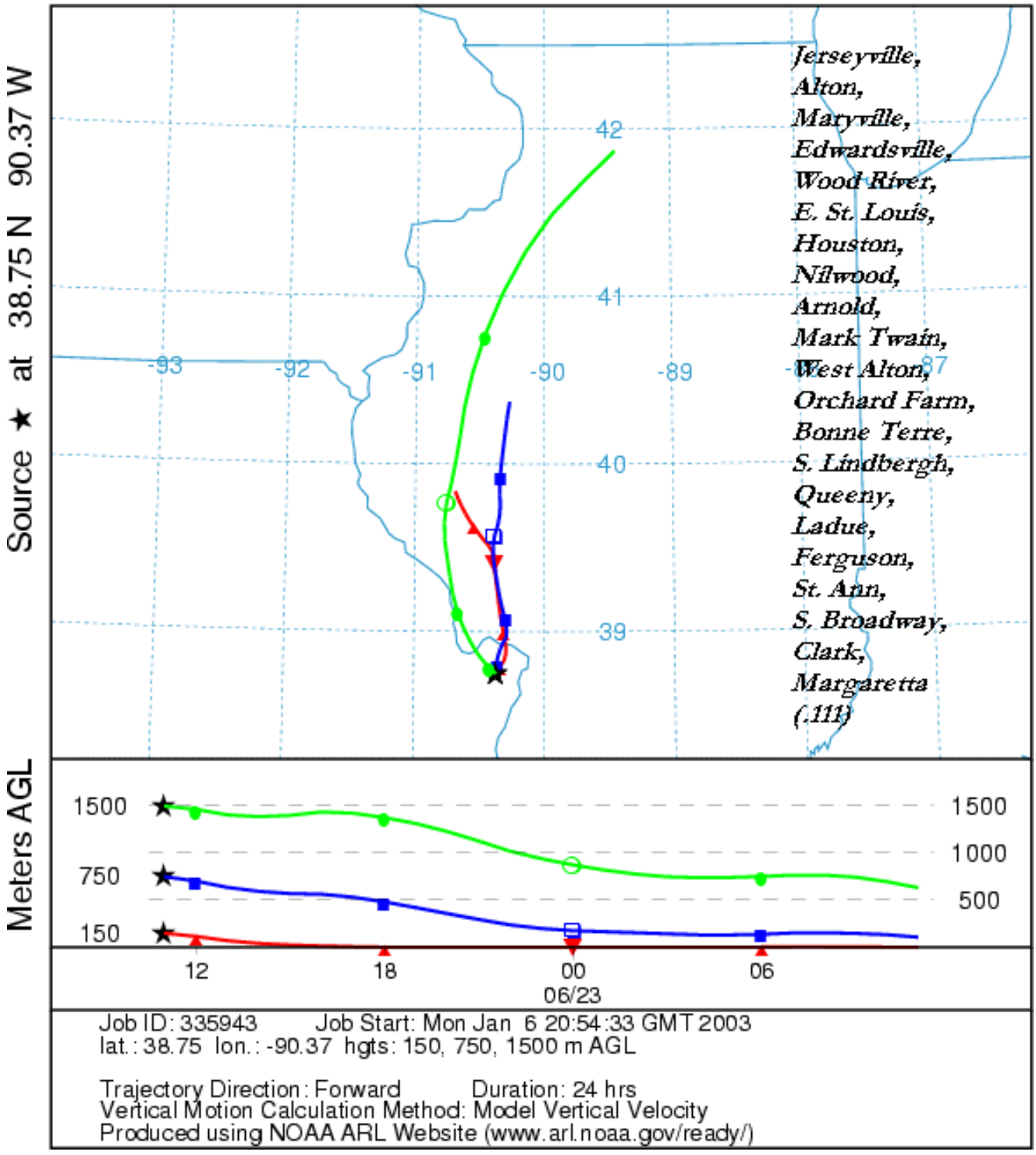
Vertical Motion Calculation Method: Model Vertical Velocity

Produced using NOAA ARL Website (www.arl.noaa.gov/ready/)

NATIONAL OCEANIC ATMOSPHERIC ADMINISTRATION

Forward trajectories starting at 11 UTC 22 Jun 02

EDAS Meteorological Data



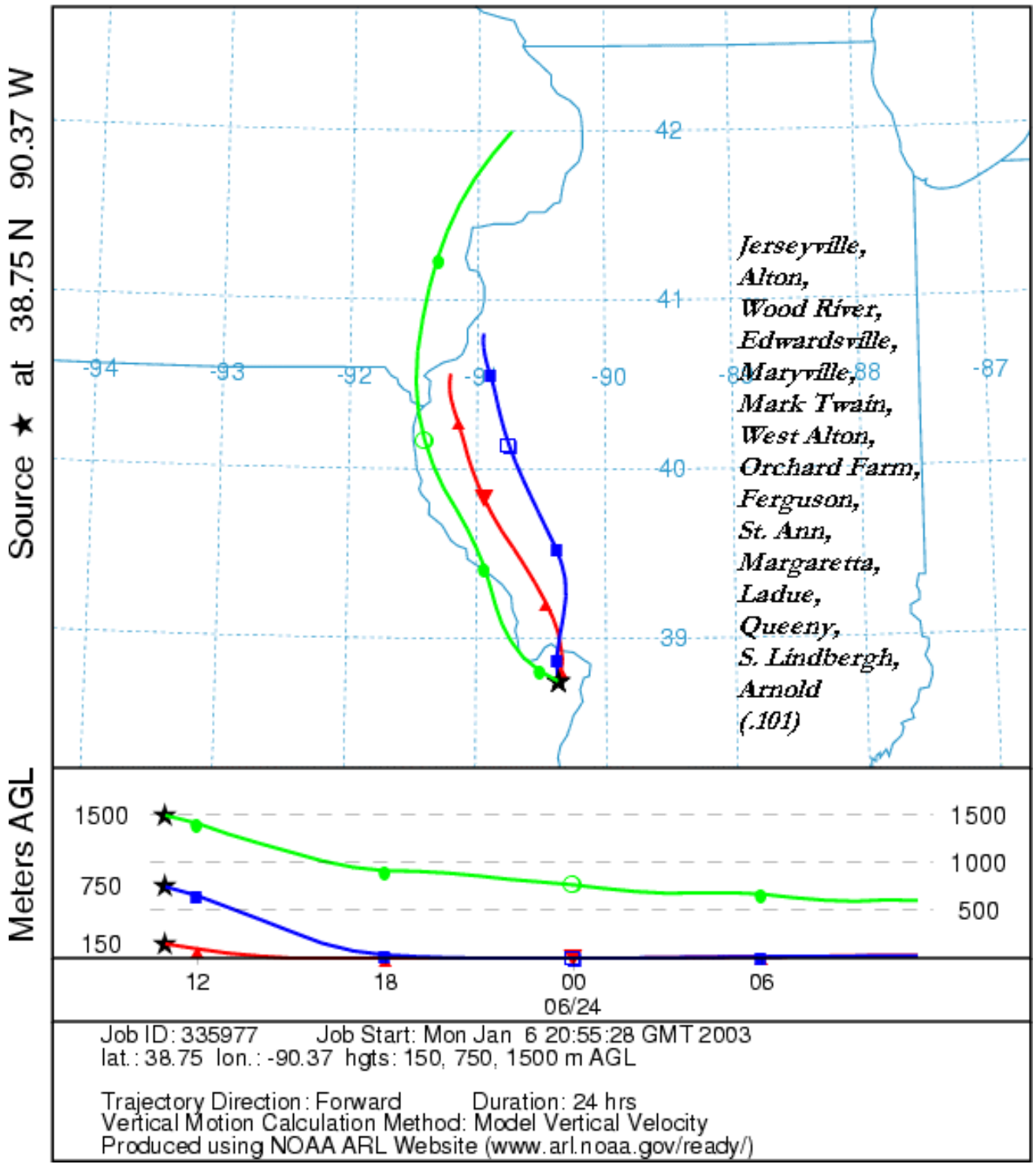
Job ID: 335943 Job Start: Mon Jan 6 20:54:33 GMT 2003
lat.: 38.75 lon.: -90.37 hgts: 150, 750, 1500 m AGL

Trajectory Direction: Forward Duration: 24 hrs
Vertical Motion Calculation Method: Model Vertical Velocity
Produced using NOAA ARL Website (www.arl.noaa.gov/ready/)

NATIONAL OCEANIC ATMOSPHERIC ADMINISTRATION

Forward trajectories starting at 11 UTC 23 Jun 02

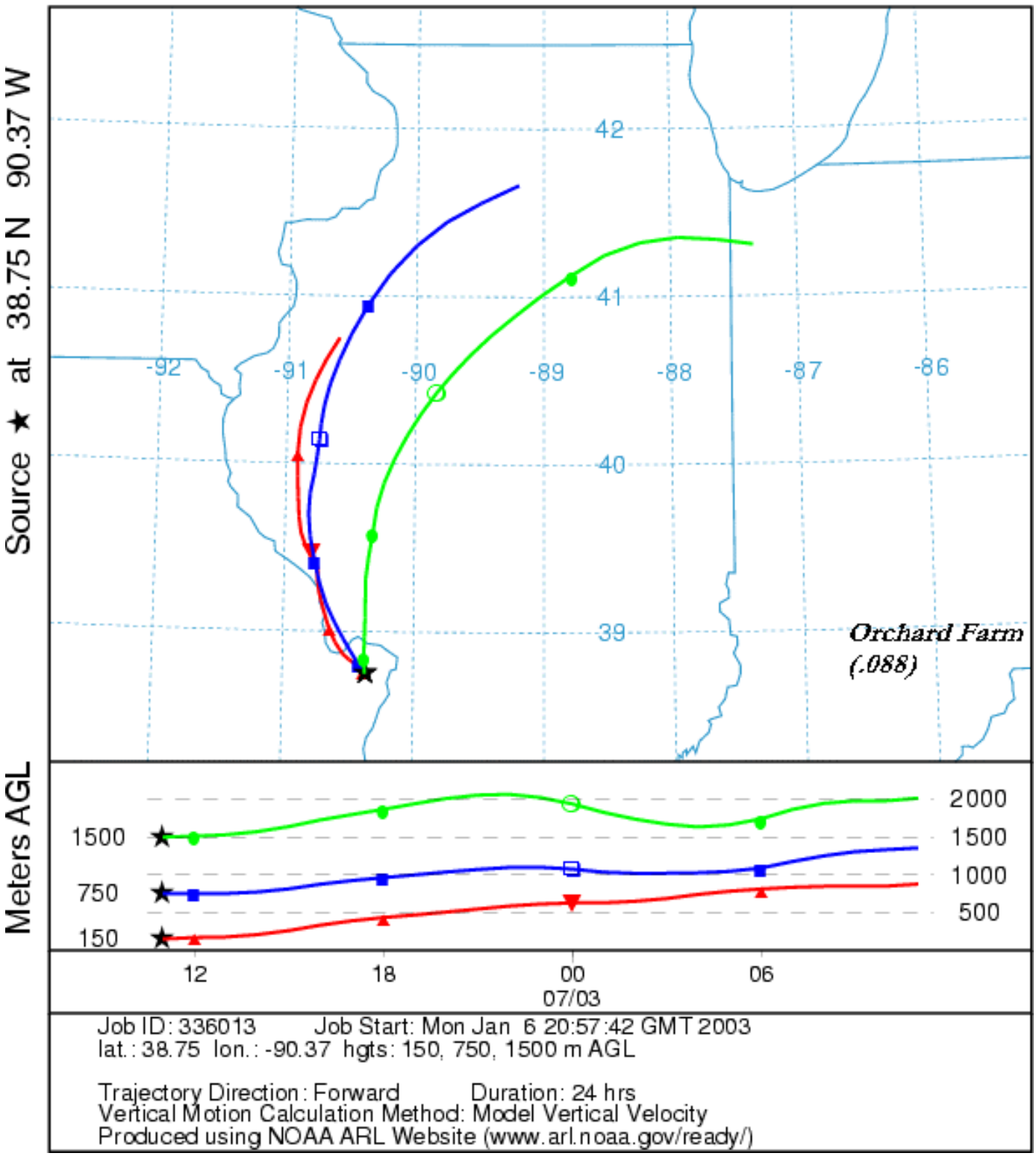
EDAS Meteorological Data



Job ID: 335977 Job Start: Mon Jan 6 20:55:28 GMT 2003
lat.: 38.75 lon.: -90.37 hgts: 150, 750, 1500 m AGL

Trajectory Direction: Forward Duration: 24 hrs
Vertical Motion Calculation Method: Model Vertical Velocity
Produced using NOAA ARL Website (www.arl.noaa.gov/ready/)

NATIONAL OCEANIC ATMOSPHERIC ADMINISTRATION
Forward trajectories starting at 11 UTC 02 Jul 02
EDAS Meteorological Data



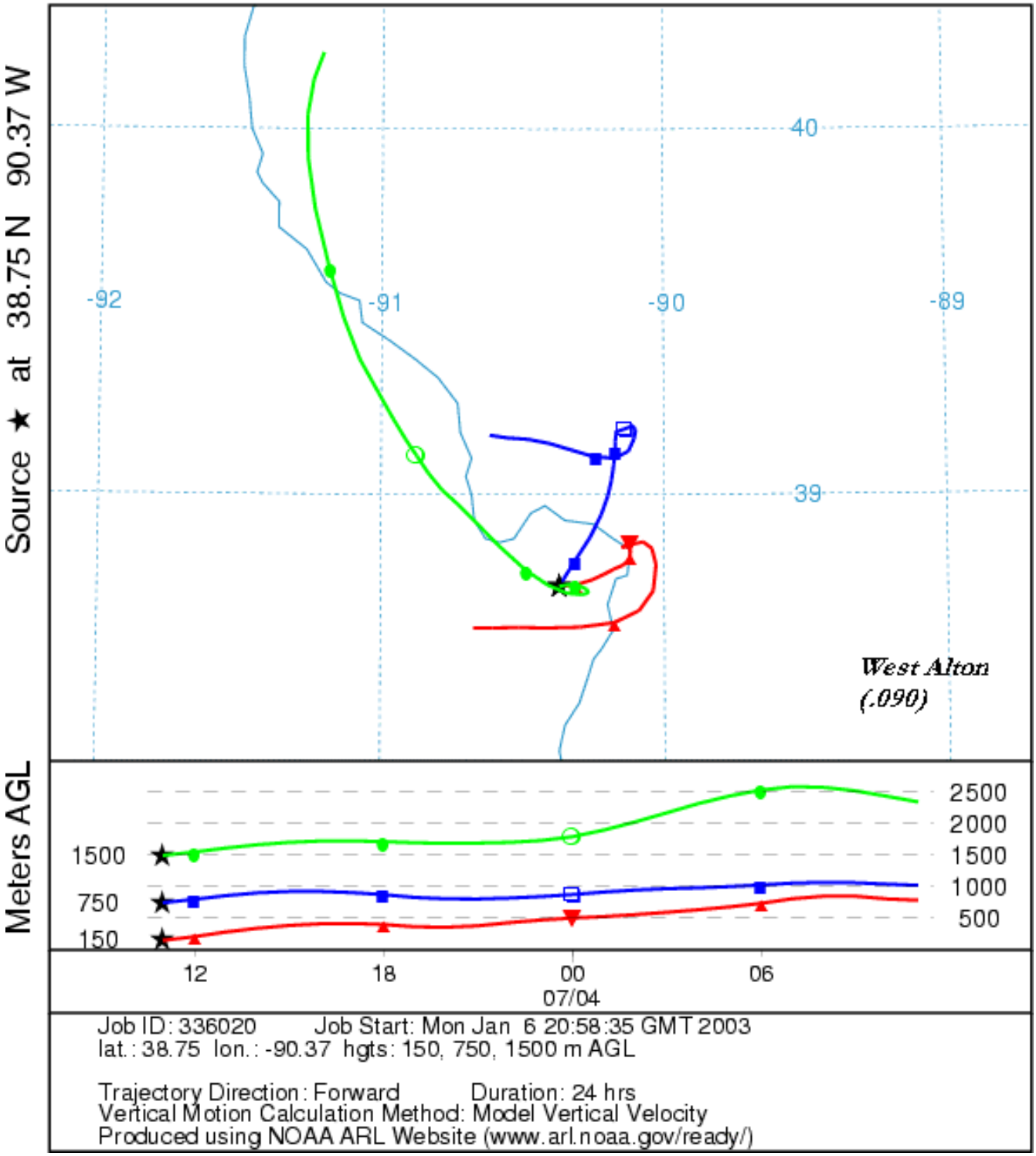
Job ID: 336013 Job Start: Mon Jan 6 20:57:42 GMT 2003
lat.: 38.75 lon.: -90.37 hgts: 150, 750, 1500 m AGL

Trajectory Direction: Forward Duration: 24 hrs
Vertical Motion Calculation Method: Model Vertical Velocity
Produced using NOAA ARL Website (www.arl.noaa.gov/ready/)

NATIONAL OCEANIC ATMOSPHERIC ADMINISTRATION

Forward trajectories starting at 11 UTC 03 Jul 02

EDAS Meteorological Data



Job ID: 336020 Job Start: Mon Jan 6 20:58:35 GMT 2003

lat.: 38.75 lon.: -90.37 hgts: 150, 750, 1500 m AGL

Trajectory Direction: Forward Duration: 24 hrs

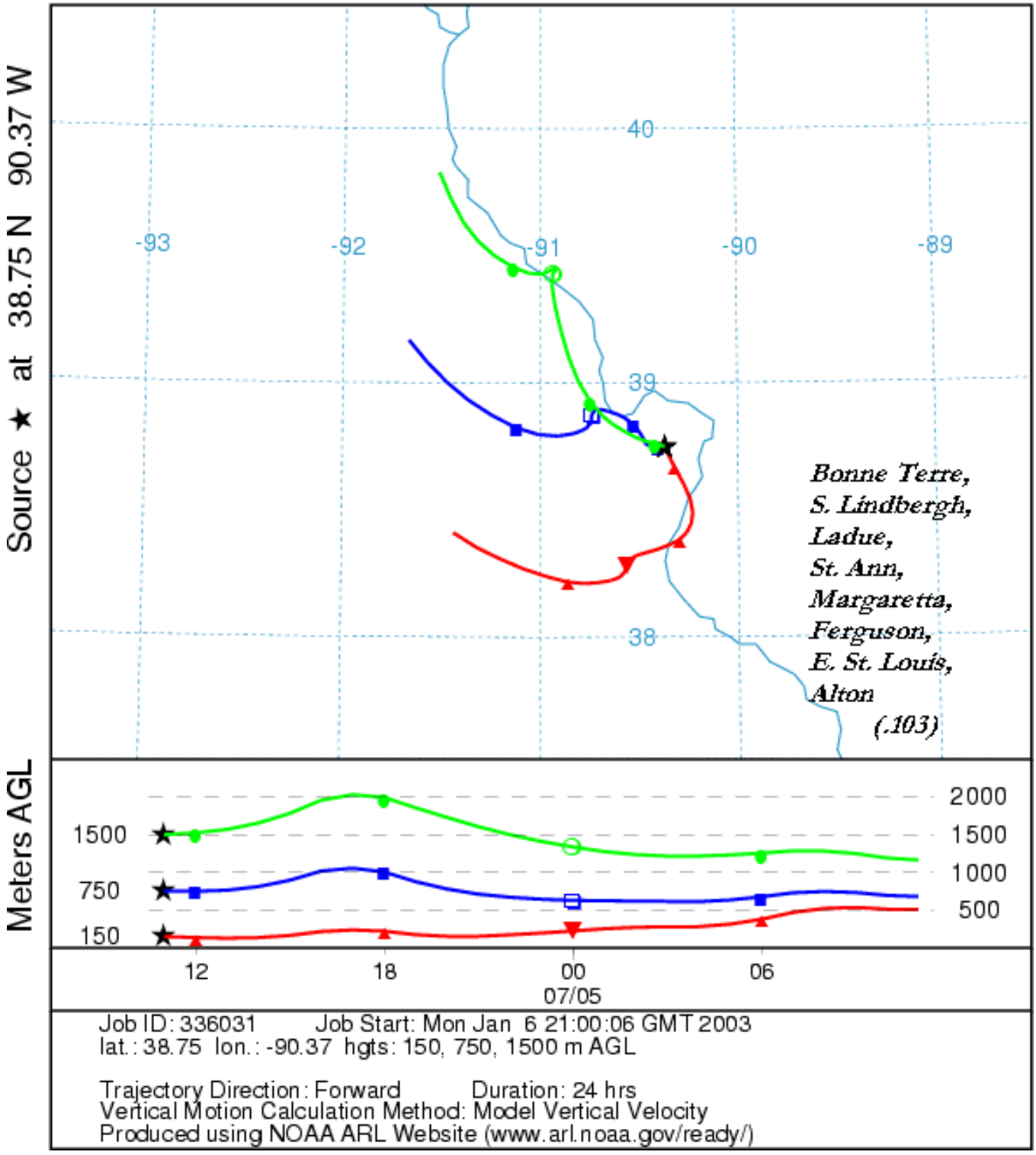
Vertical Motion Calculation Method: Model Vertical Velocity

Produced using NOAA ARL Website (www.arl.noaa.gov/ready/)

NATIONAL OCEANIC ATMOSPHERIC ADMINISTRATION

Forward trajectories starting at 11 UTC 04 Jul 02

EDAS Meteorological Data



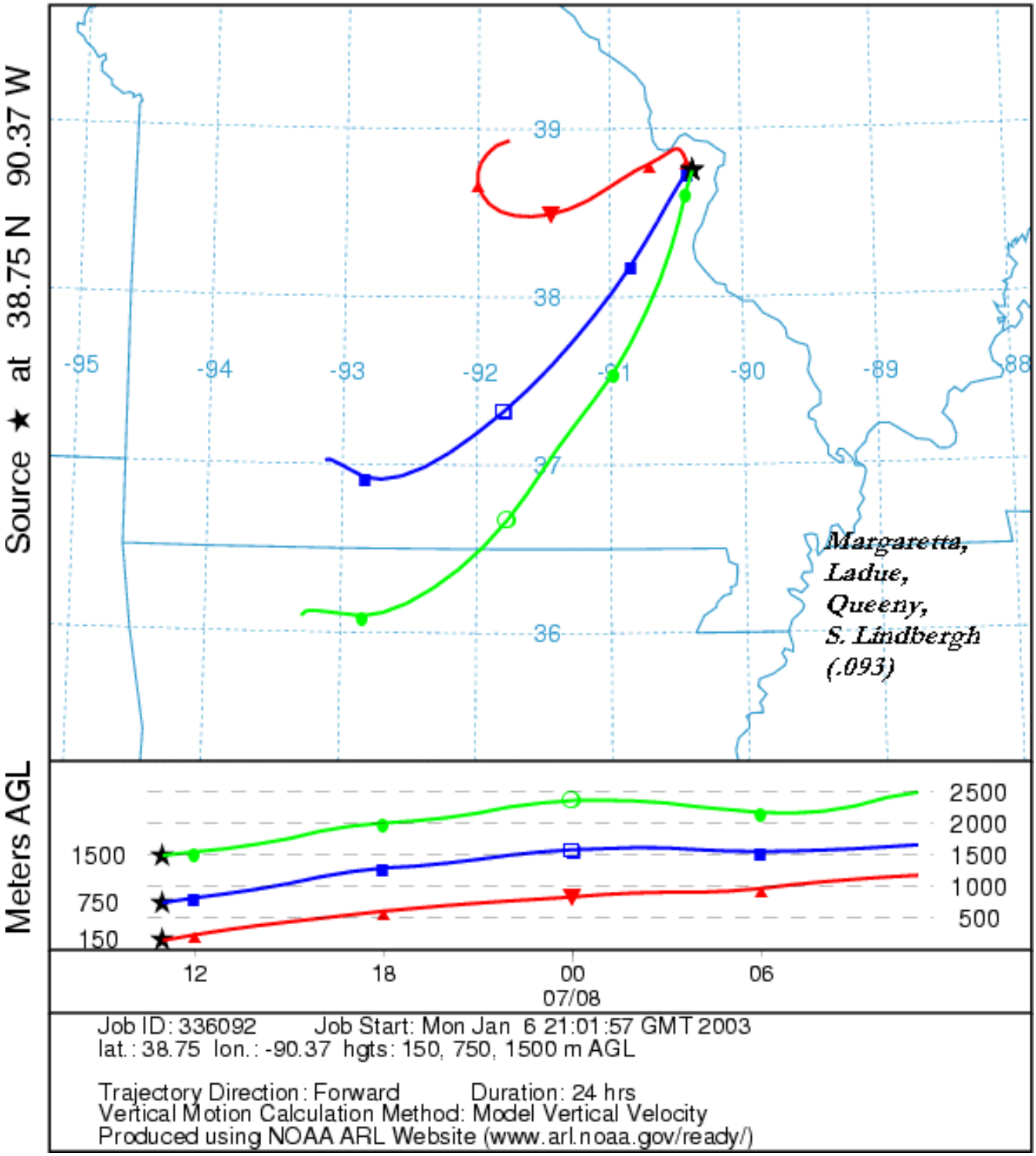
Job ID: 336031 Job Start: Mon Jan 6 21:00:06 GMT 2003
lat.: 38.75 lon.: -90.37 hgts: 150, 750, 1500 m AGL

Trajectory Direction: Forward Duration: 24 hrs
Vertical Motion Calculation Method: Model Vertical Velocity
Produced using NOAA ARL Website (www.arl.noaa.gov/ready/)

NATIONAL OCEANIC ATMOSPHERIC ADMINISTRATION

Forward trajectories starting at 11 UTC 07 Jul 02

EDAS Meteorological Data



Job ID: 336092 Job Start: Mon Jan 6 21:01:57 GMT 2003

lat.: 38.75 lon.: -90.37 hgts: 150, 750, 1500 m AGL

Trajectory Direction: Forward Duration: 24 hrs

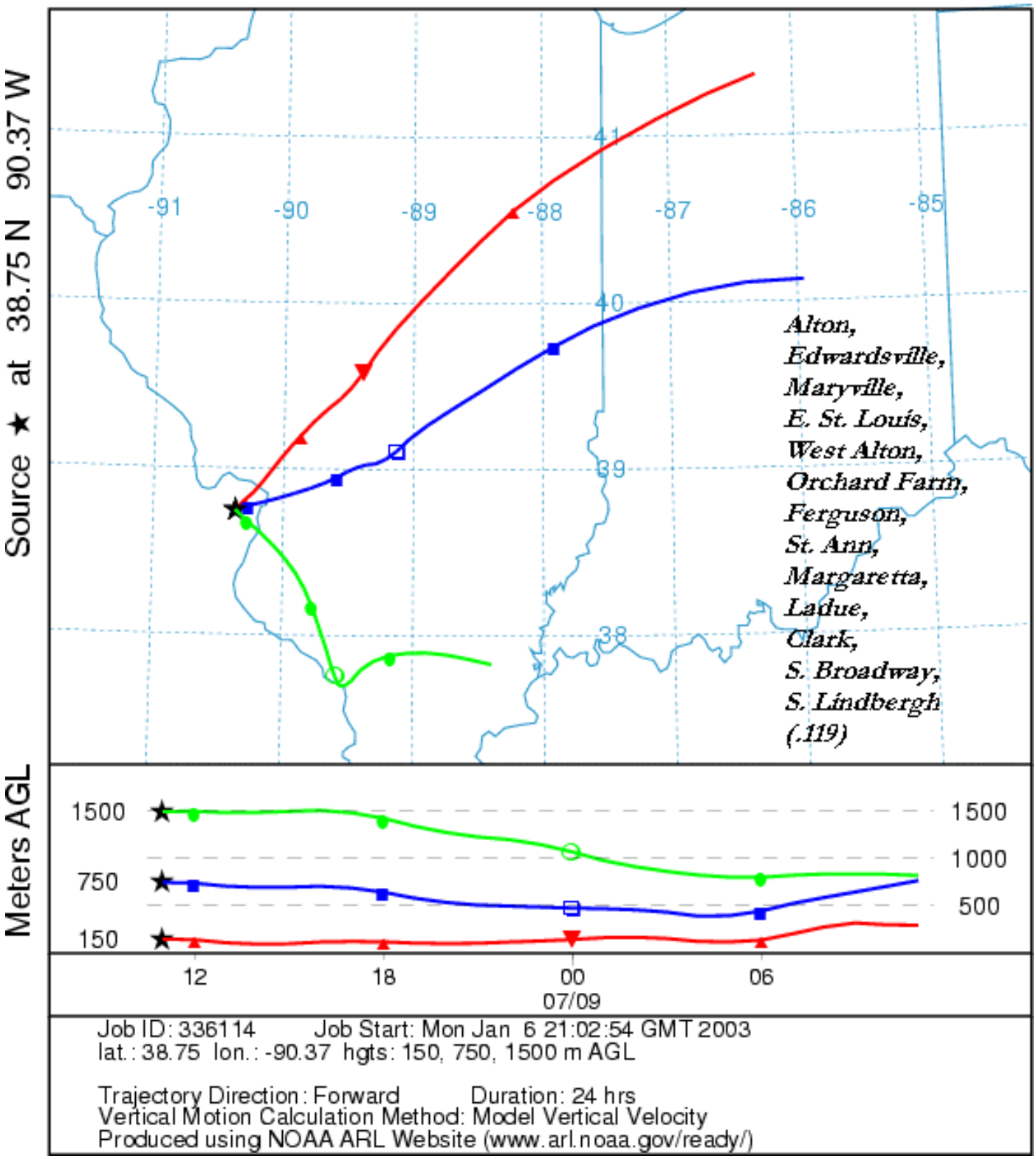
Vertical Motion Calculation Method: Model Vertical Velocity

Produced using NOAA ARL Website (www.arl.noaa.gov/ready/)

NATIONAL OCEANIC ATMOSPHERIC ADMINISTRATION

Forward trajectories starting at 11 UTC 08 Jul 02

EDAS Meteorological Data



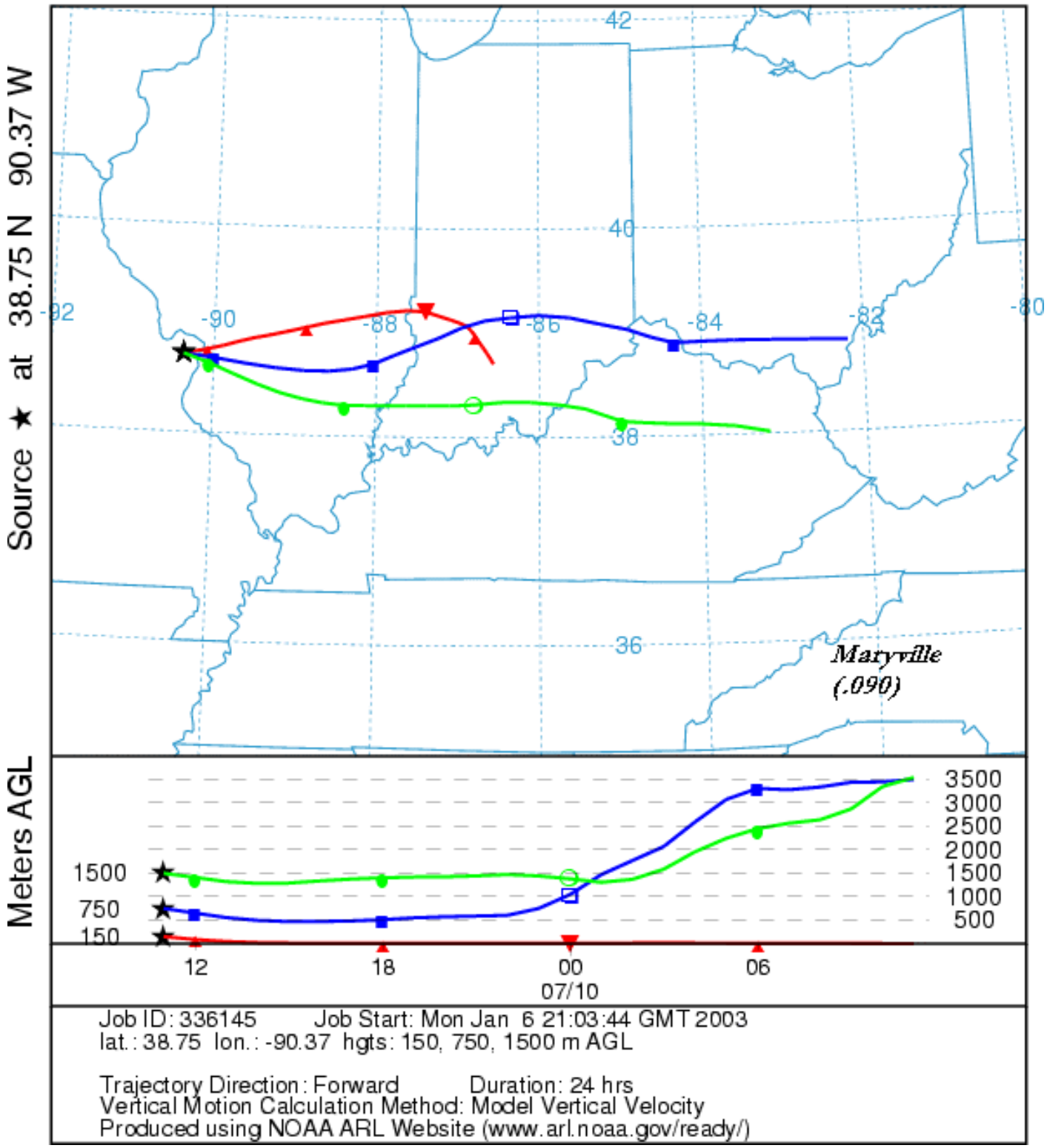
Job ID: 336114 Job Start: Mon Jan 6 21:02:54 GMT 2003
lat.: 38.75 lon.: -90.37 hgts: 150, 750, 1500 m AGL

Trajectory Direction: Forward Duration: 24 hrs
Vertical Motion Calculation Method: Model Vertical Velocity
Produced using NOAA ARL Website (www.arl.noaa.gov/ready/)

NATIONAL OCEANIC ATMOSPHERIC ADMINISTRATION

Forward trajectories starting at 11 UTC 09 Jul 02

EDAS Meteorological Data



Job ID: 336145 Job Start: Mon Jan 6 21:03:44 GMT 2003

lat.: 38.75 lon.: -90.37 hgts: 150, 750, 1500 m AGL

Trajectory Direction: Forward Duration: 24 hrs

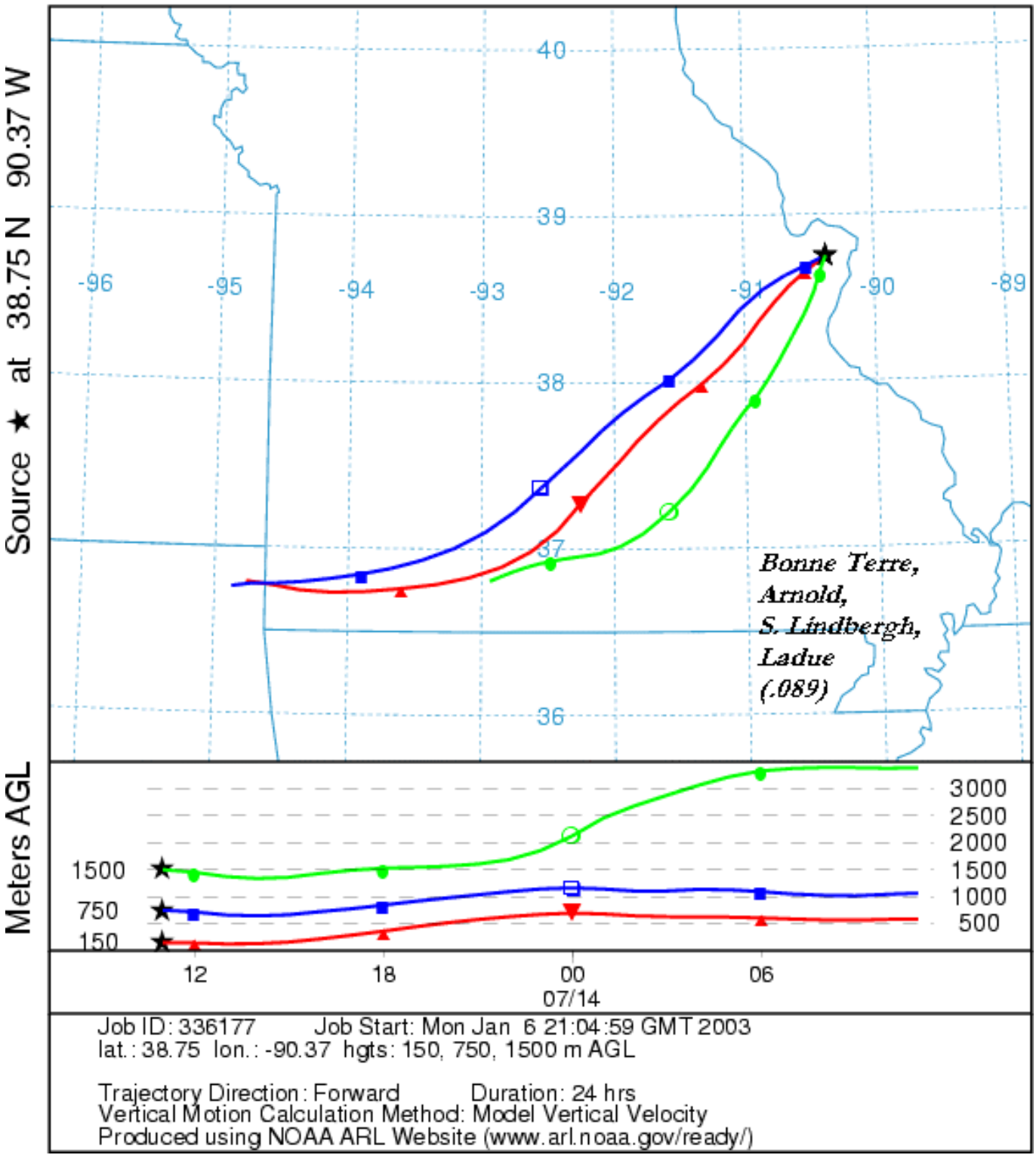
Vertical Motion Calculation Method: Model Vertical Velocity

Produced using NOAA ARL Website (www.arl.noaa.gov/ready/)

NATIONAL OCEANIC ATMOSPHERIC ADMINISTRATION

Forward trajectories starting at 11 UTC 13 Jul 02

EDAS Meteorological Data



Job ID: 336177 Job Start: Mon Jan 6 21:04:59 GMT 2003

lat.: 38.75 lon.: -90.37 hgts: 150, 750, 1500 m AGL

Trajectory Direction: Forward Duration: 24 hrs

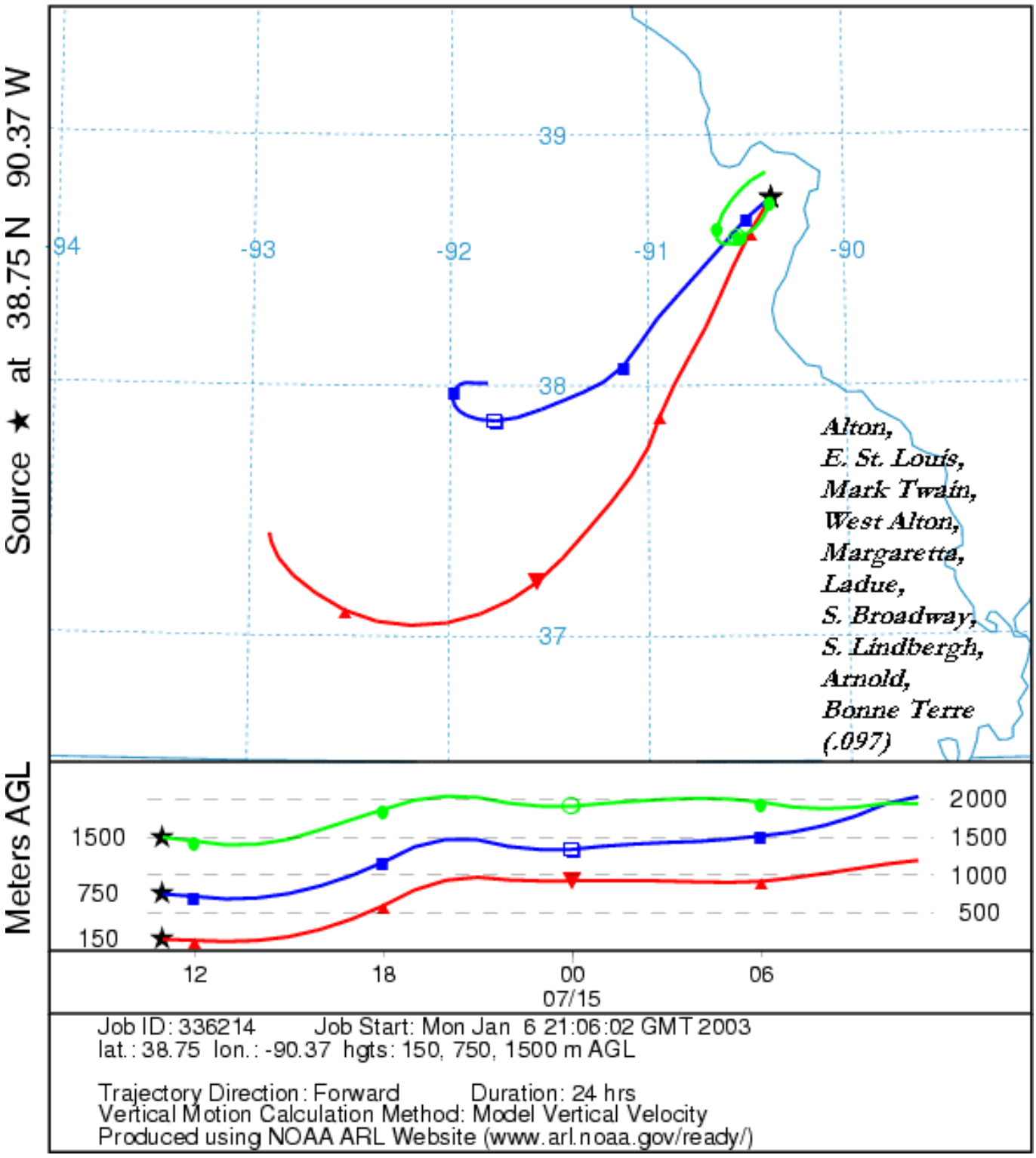
Vertical Motion Calculation Method: Model Vertical Velocity

Produced using NOAA ARL Website (www.arl.noaa.gov/ready/)

NATIONAL OCEANIC ATMOSPHERIC ADMINISTRATION

Forward trajectories starting at 11 UTC 14 Jul 02

EDAS Meteorological Data



Job ID: 336214 Job Start: Mon Jan 6 21:06:02 GMT 2003

lat.: 38.75 lon.: -90.37 hgts: 150, 750, 1500 m AGL

Trajectory Direction: Forward Duration: 24 hrs

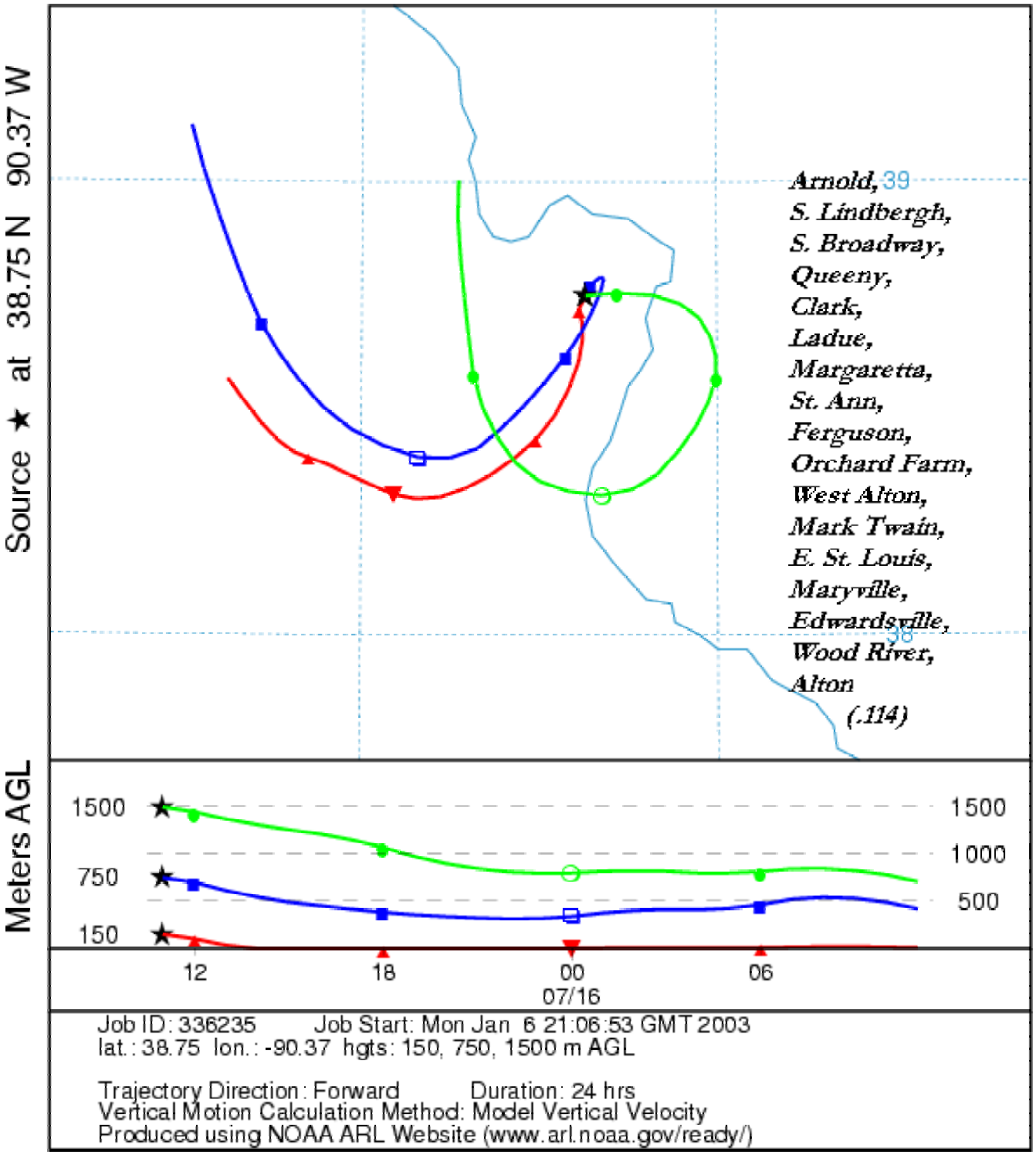
Vertical Motion Calculation Method: Model Vertical Velocity

Produced using NOAA ARL Website (www.arl.noaa.gov/ready/)

NATIONAL OCEANIC ATMOSPHERIC ADMINISTRATION

Forward trajectories starting at 11 UTC 15 Jul 02

EDAS Meteorological Data



Job ID: 336235 Job Start: Mon Jan 6 21:06:53 GMT 2003

lat.: 38.75 lon.: -90.37 hgts: 150, 750, 1500 m AGL

Trajectory Direction: Forward Duration: 24 hrs

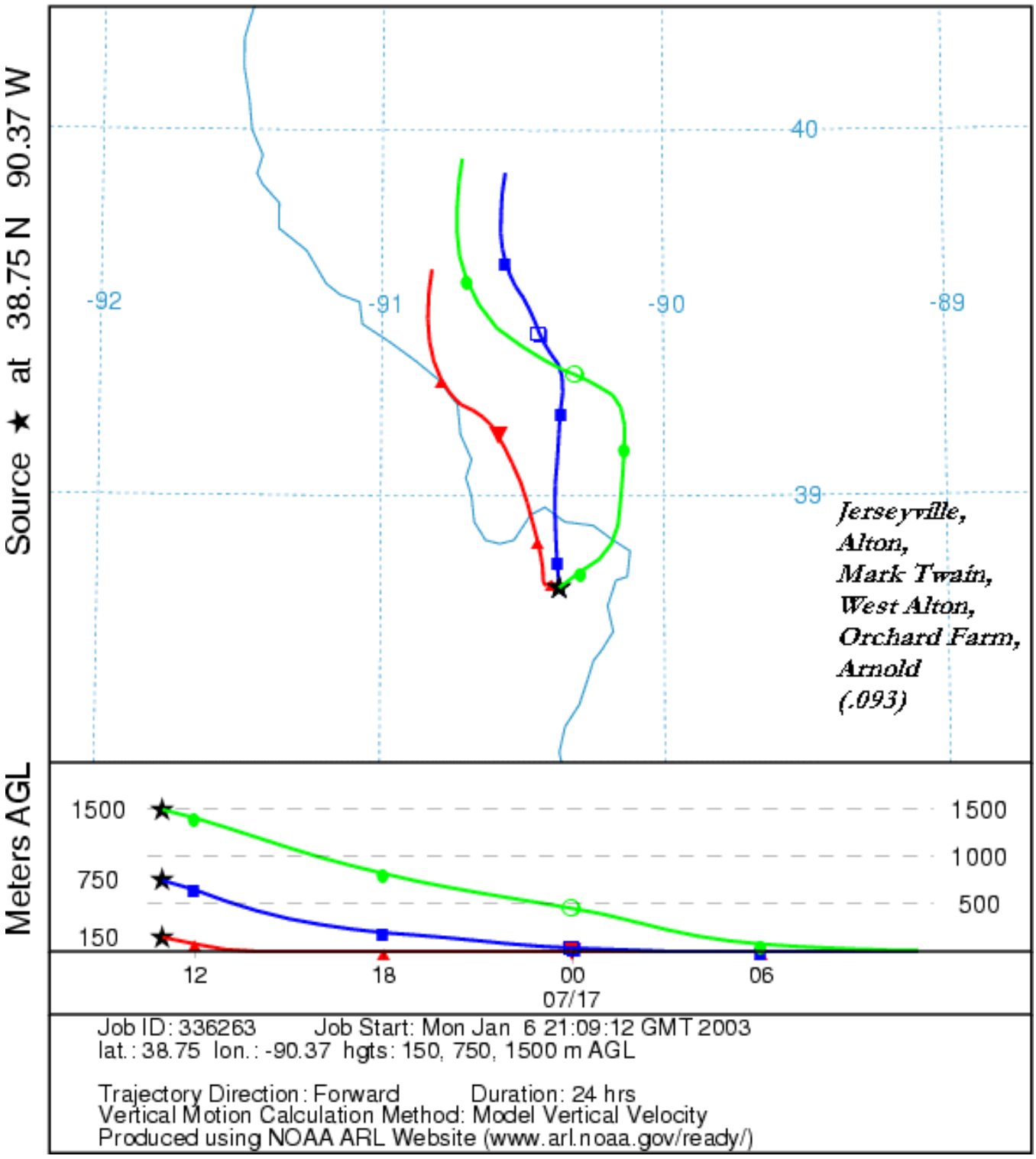
Vertical Motion Calculation Method: Model Vertical Velocity

Produced using NOAA ARL Website (www.arl.noaa.gov/ready/)

NATIONAL OCEANIC ATMOSPHERIC ADMINISTRATION

Forward trajectories starting at 11 UTC 16 Jul 02

EDAS Meteorological Data



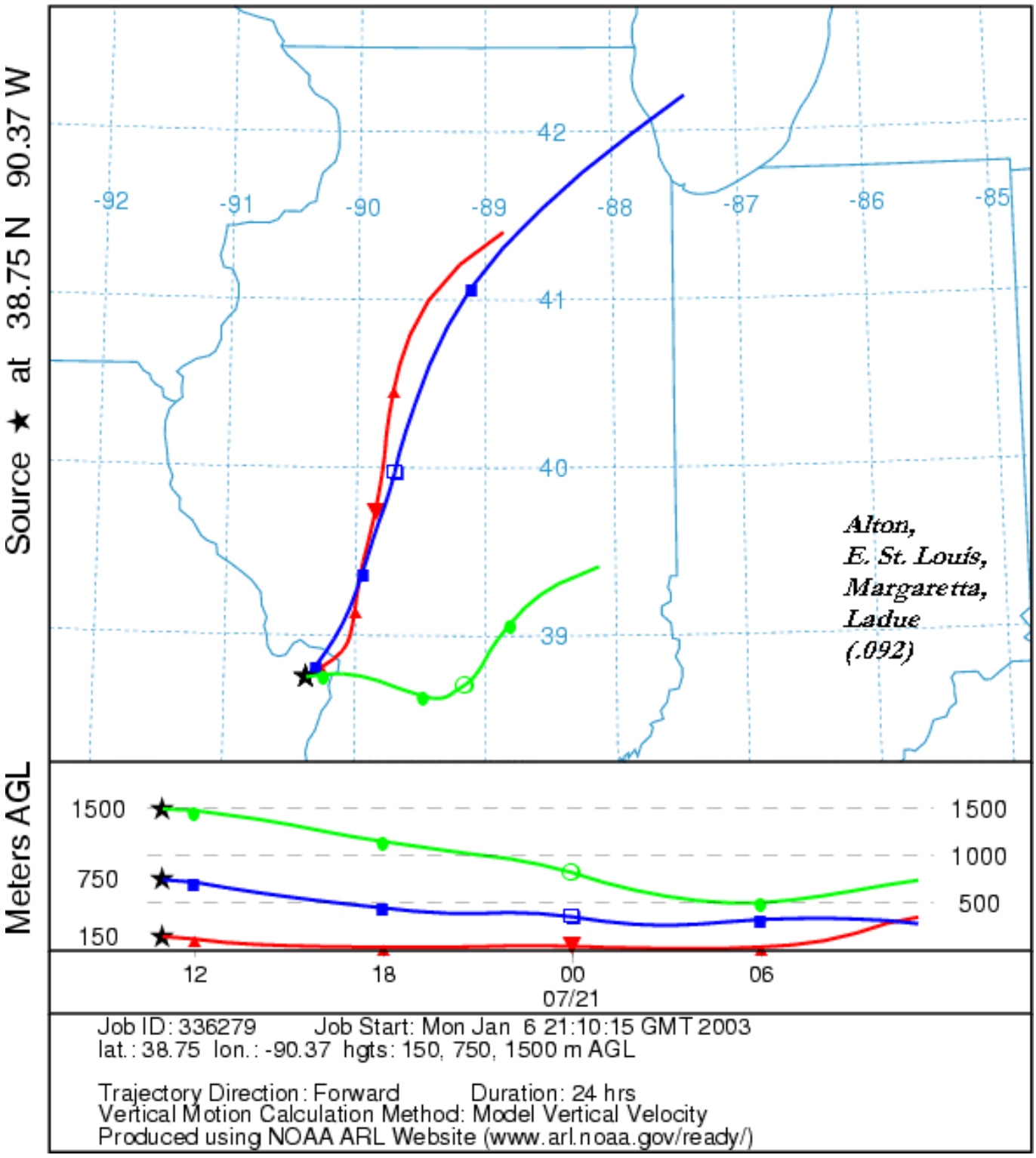
Job ID: 336263 Job Start: Mon Jan 6 21:09:12 GMT 2003
lat.: 38.75 lon.: -90.37 hgts: 150, 750, 1500 m AGL

Trajectory Direction: Forward Duration: 24 hrs
Vertical Motion Calculation Method: Model Vertical Velocity
Produced using NOAA ARL Website (www.arl.noaa.gov/ready/)

NATIONAL OCEANIC ATMOSPHERIC ADMINISTRATION

Forward trajectories starting at 11 UTC 20 Jul 02

EDAS Meteorological Data



Job ID: 336279 Job Start: Mon Jan 6 21:10:15 GMT 2003

lat.: 38.75 lon.: -90.37 hgts: 150, 750, 1500 m AGL

Trajectory Direction: Forward Duration: 24 hrs

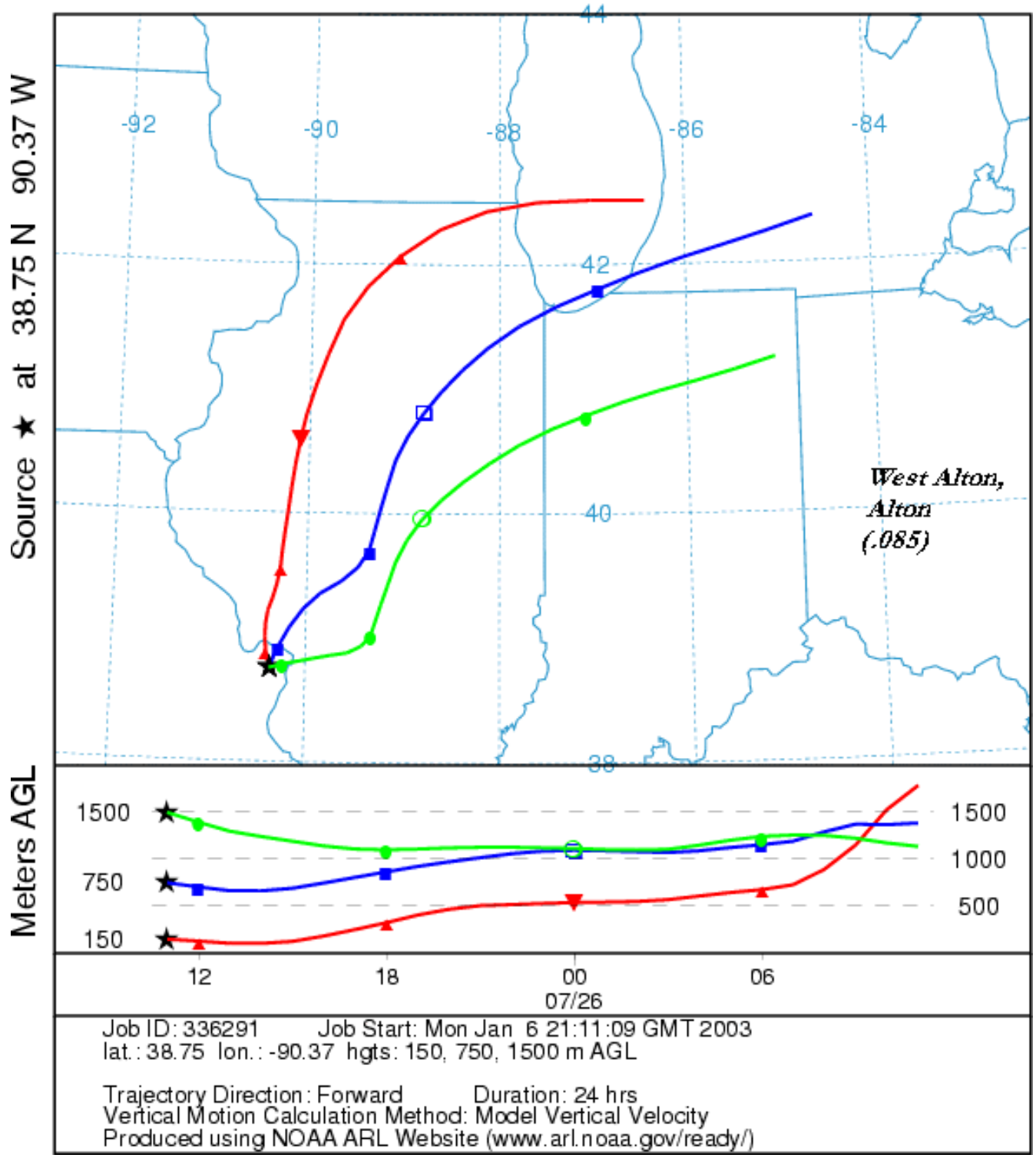
Vertical Motion Calculation Method: Model Vertical Velocity

Produced using NOAA ARL Website (www.arl.noaa.gov/ready/)

NATIONAL OCEANIC ATMOSPHERIC ADMINISTRATION

Forward trajectories starting at 11 UTC 25 Jul 02

EDAS Meteorological Data



Job ID: 336291 Job Start: Mon Jan 6 21:11:09 GMT 2003

lat.: 38.75 lon.: -90.37 hgts: 150, 750, 1500 m AGL

Trajectory Direction: Forward Duration: 24 hrs

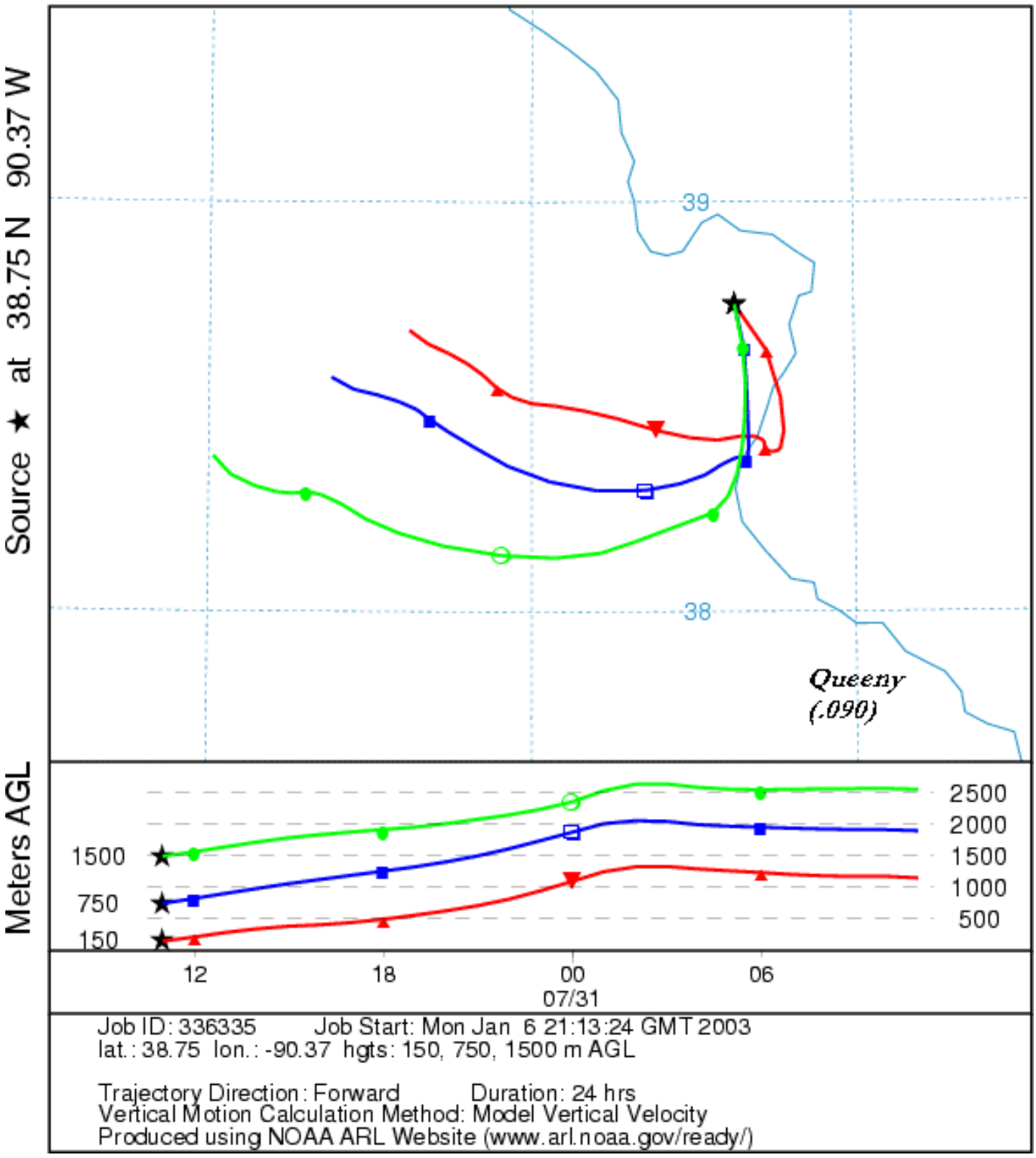
Vertical Motion Calculation Method: Model Vertical Velocity

Produced using NOAA ARL Website (www.arl.noaa.gov/ready/)

NATIONAL OCEANIC ATMOSPHERIC ADMINISTRATION

Forward trajectories starting at 11 UTC 30 Jul 02

EDAS Meteorological Data



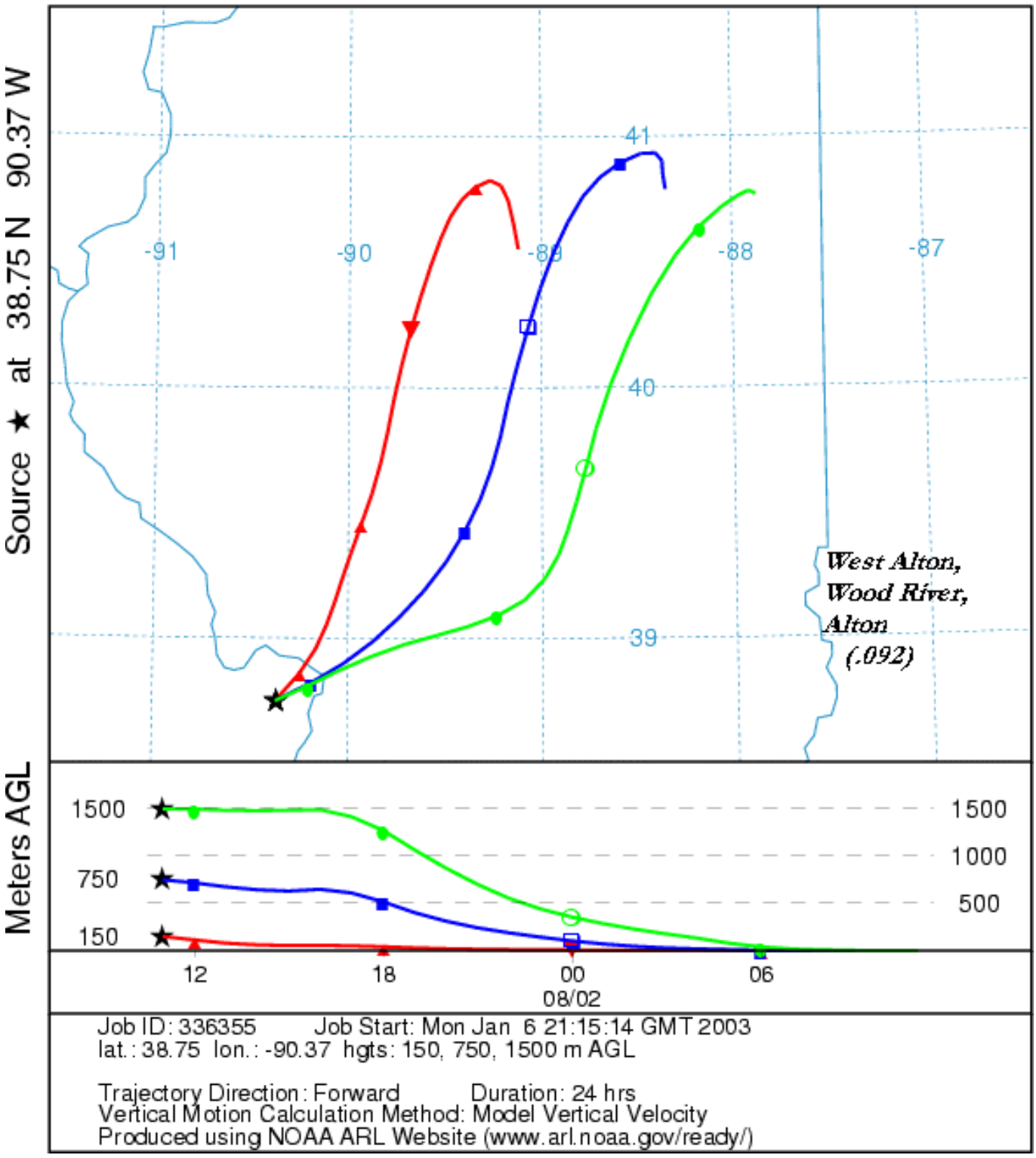
Job ID: 336335 Job Start: Mon Jan 6 21:13:24 GMT 2003
lat.: 38.75 lon.: -90.37 hgts: 150, 750, 1500 m AGL

Trajectory Direction: Forward Duration: 24 hrs
Vertical Motion Calculation Method: Model Vertical Velocity
Produced using NOAA ARL Website (www.arl.noaa.gov/ready/)

NATIONAL OCEANIC ATMOSPHERIC ADMINISTRATION

Forward trajectories starting at 11 UTC 01 Aug 02

EDAS Meteorological Data



Job ID: 336355 Job Start: Mon Jan 6 21:15:14 GMT 2003

lat.: 38.75 lon.: -90.37 hgts: 150, 750, 1500 m AGL

Trajectory Direction: Forward Duration: 24 hrs

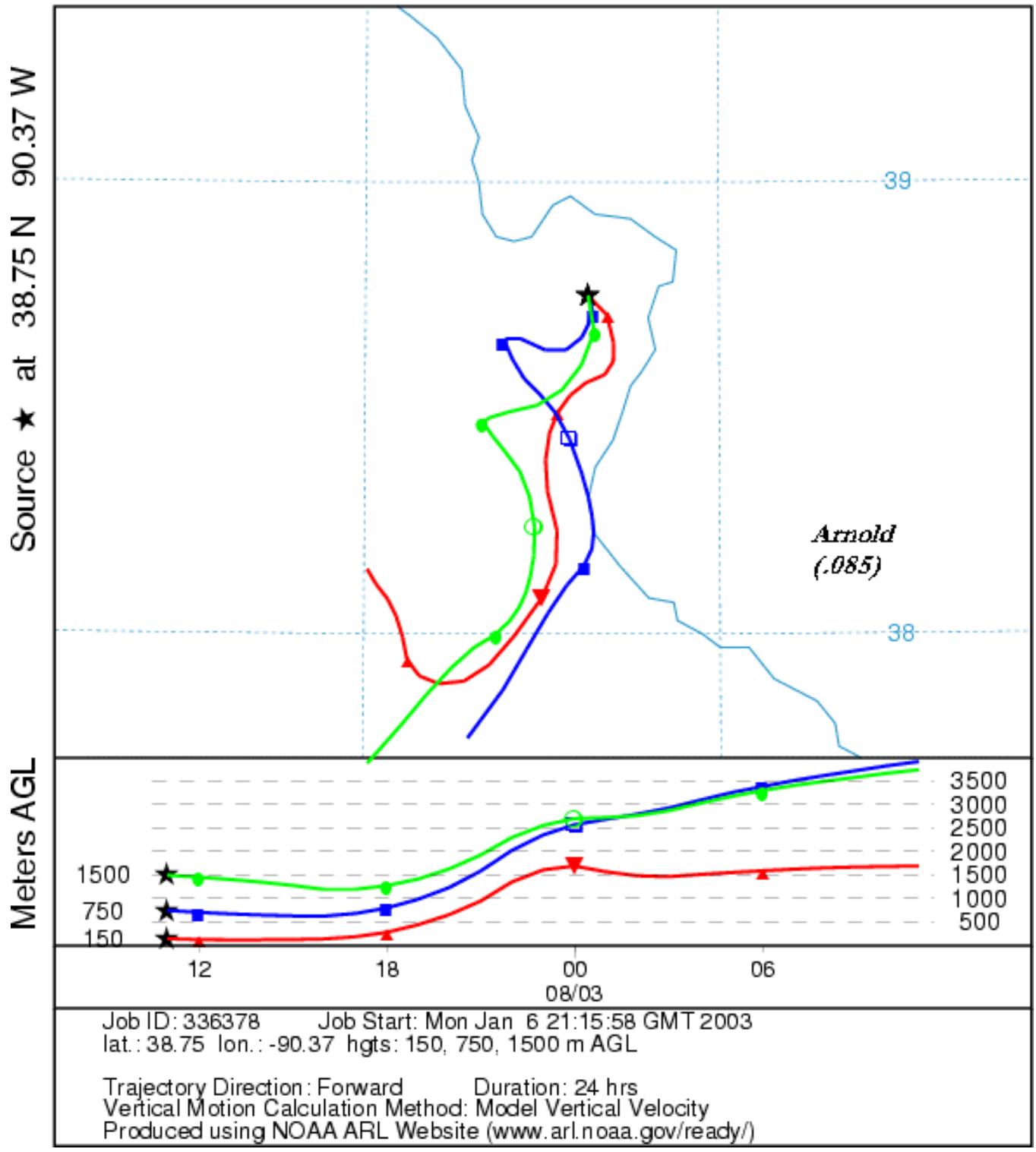
Vertical Motion Calculation Method: Model Vertical Velocity

Produced using NOAA ARL Website (www.arl.noaa.gov/ready/)

NATIONAL OCEANIC ATMOSPHERIC ADMINISTRATION

Forward trajectories starting at 11 UTC 02 Aug 02

EDAS Meteorological Data



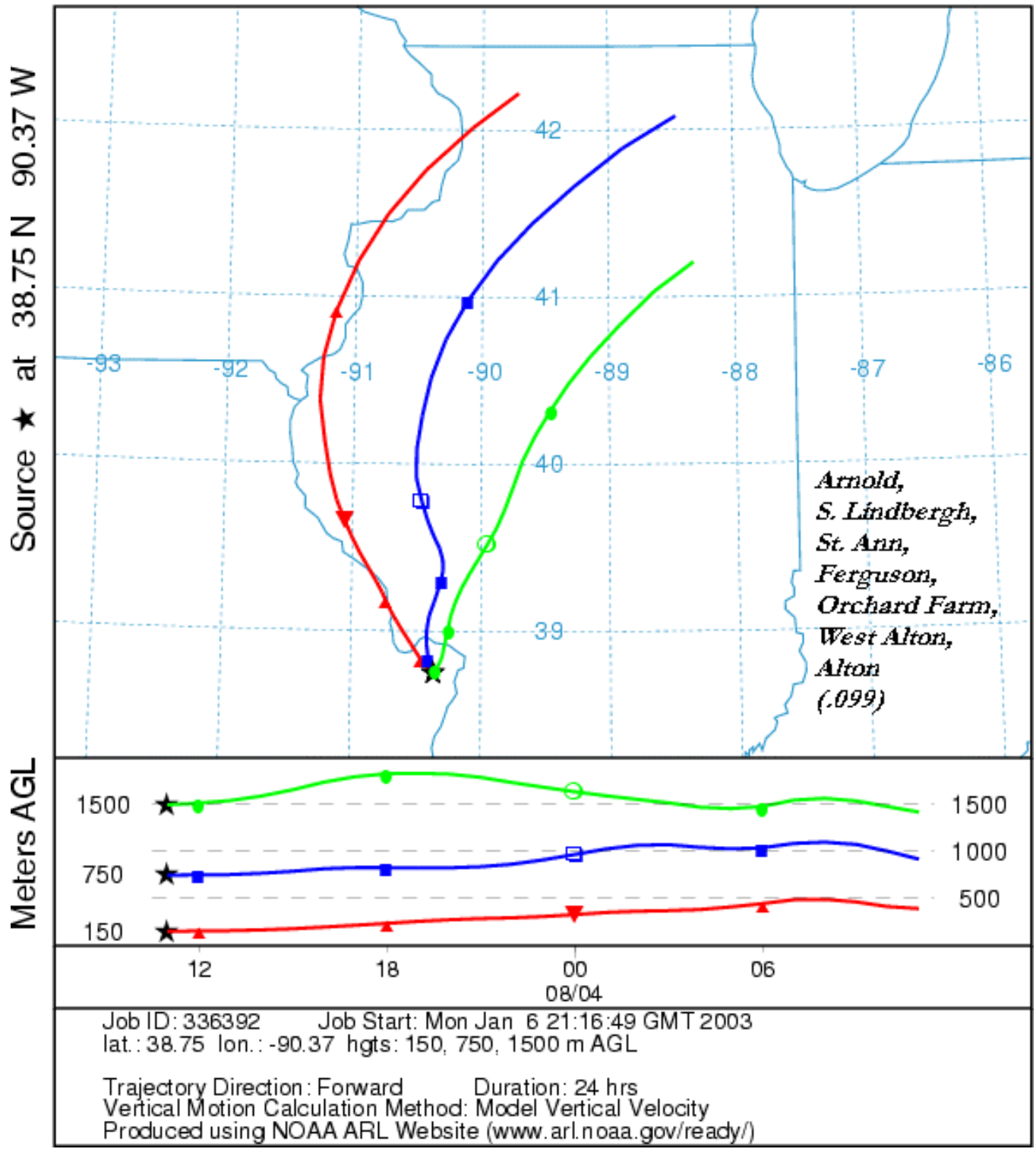
Job ID: 336378 Job Start: Mon Jan 6 21:15:58 GMT 2003
lat.: 38.75 lon.: -90.37 hgts: 150, 750, 1500 m AGL

Trajectory Direction: Forward Duration: 24 hrs
Vertical Motion Calculation Method: Model Vertical Velocity
Produced using NOAA ARL Website (www.arl.noaa.gov/ready/)

NATIONAL OCEANIC ATMOSPHERIC ADMINISTRATION

Forward trajectories starting at 11 UTC 03 Aug 02

EDAS Meteorological Data



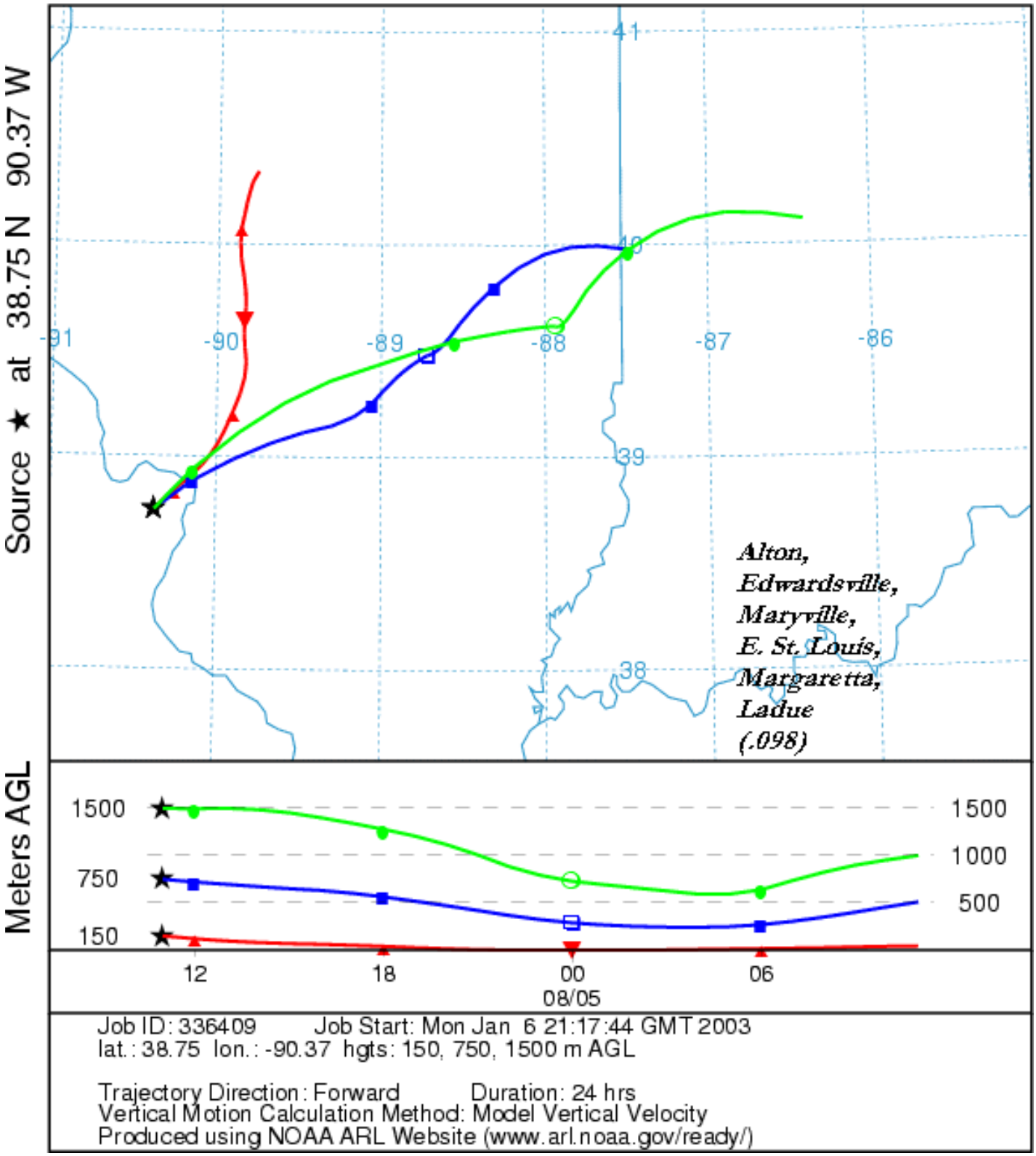
Job ID: 336392 Job Start: Mon Jan 6 21:16:49 GMT 2003
lat.: 38.75 lon.: -90.37 hgts: 150, 750, 1500 m AGL

Trajectory Direction: Forward Duration: 24 hrs
Vertical Motion Calculation Method: Model Vertical Velocity
Produced using NOAA ARL Website (www.arl.noaa.gov/ready/)

NATIONAL OCEANIC ATMOSPHERIC ADMINISTRATION

Forward trajectories starting at 11 UTC 04 Aug 02

EDAS Meteorological Data



Job ID: 336409 Job Start: Mon Jan 6 21:17:44 GMT 2003

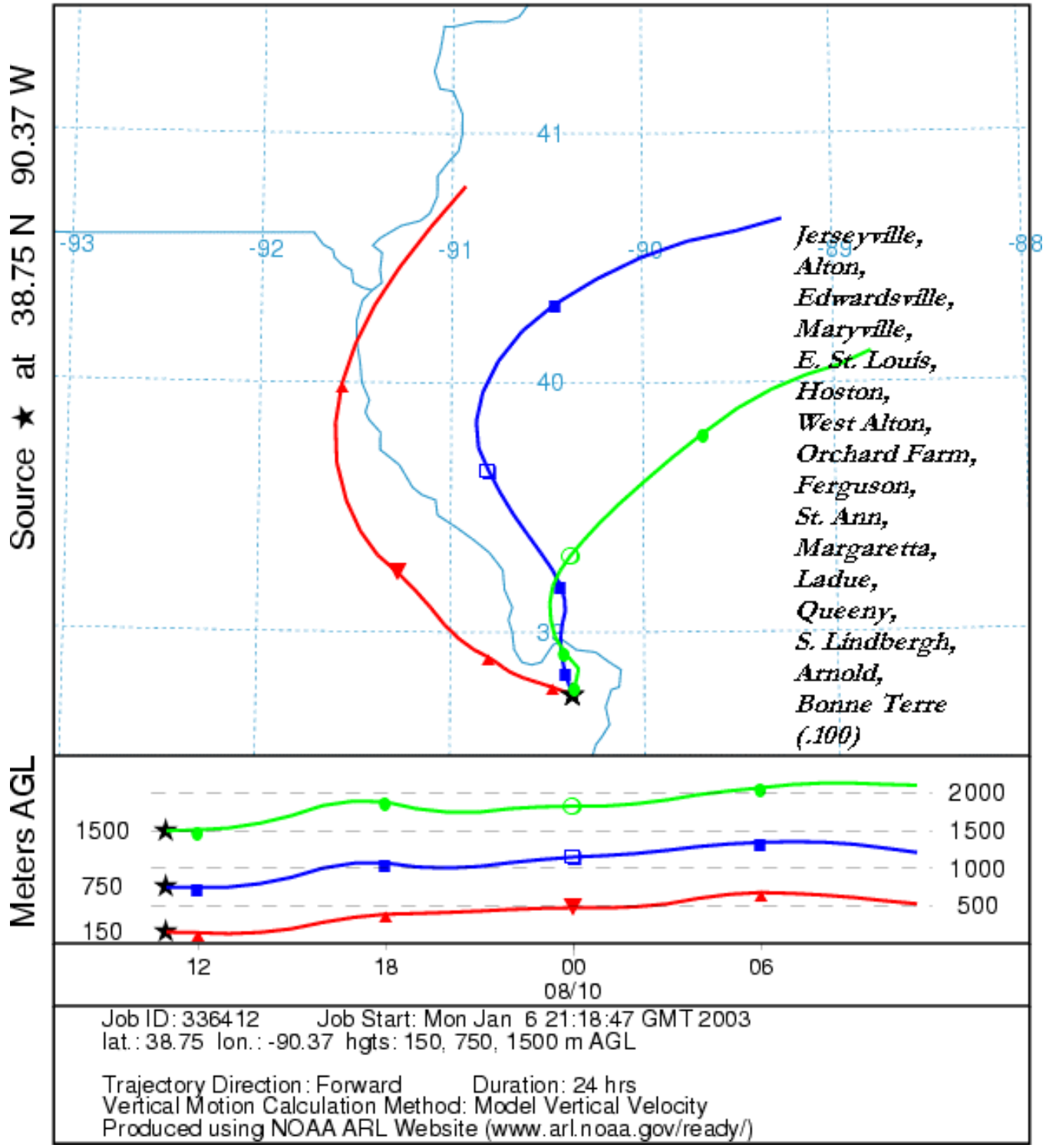
lat.: 38.75 lon.: -90.37 hgts: 150, 750, 1500 m AGL

Trajectory Direction: Forward Duration: 24 hrs

Vertical Motion Calculation Method: Model Vertical Velocity

Produced using NOAA ARL Website (www.arl.noaa.gov/ready/)

NATIONAL OCEANIC ATMOSPHERIC ADMINISTRATION
Forward trajectories starting at 11 UTC 09 Aug 02
EDAS Meteorological Data



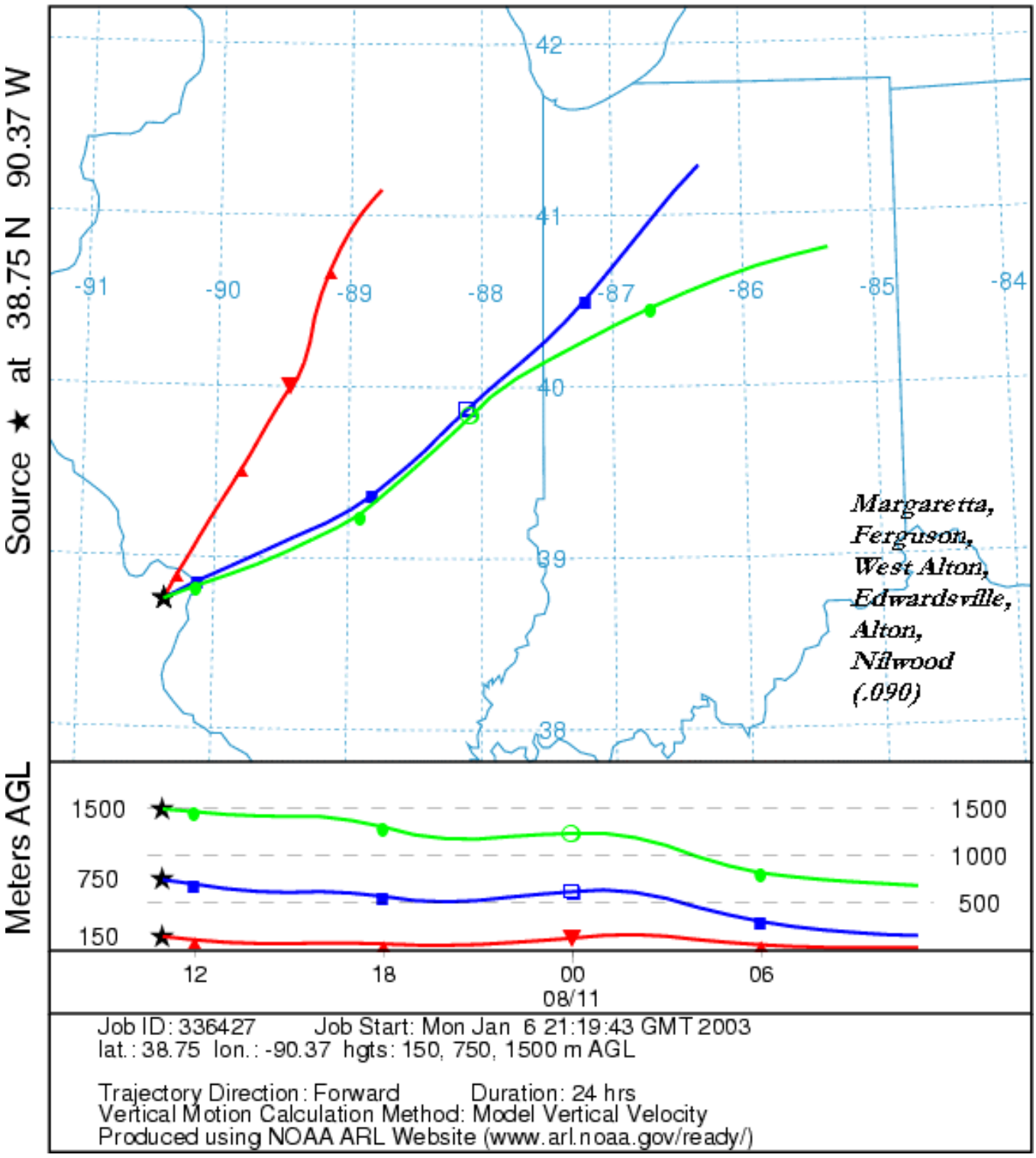
Job ID: 336412 Job Start: Mon Jan 6 21:18:47 GMT 2003
lat.: 38.75 lon.: -90.37 hgts: 150, 750, 1500 m AGL

Trajectory Direction: Forward Duration: 24 hrs
Vertical Motion Calculation Method: Model Vertical Velocity
Produced using NOAA ARL Website (www.arl.noaa.gov/ready/)

NATIONAL OCEANIC ATMOSPHERIC ADMINISTRATION

Forward trajectories starting at 11 UTC 10 Aug 02

EDAS Meteorological Data



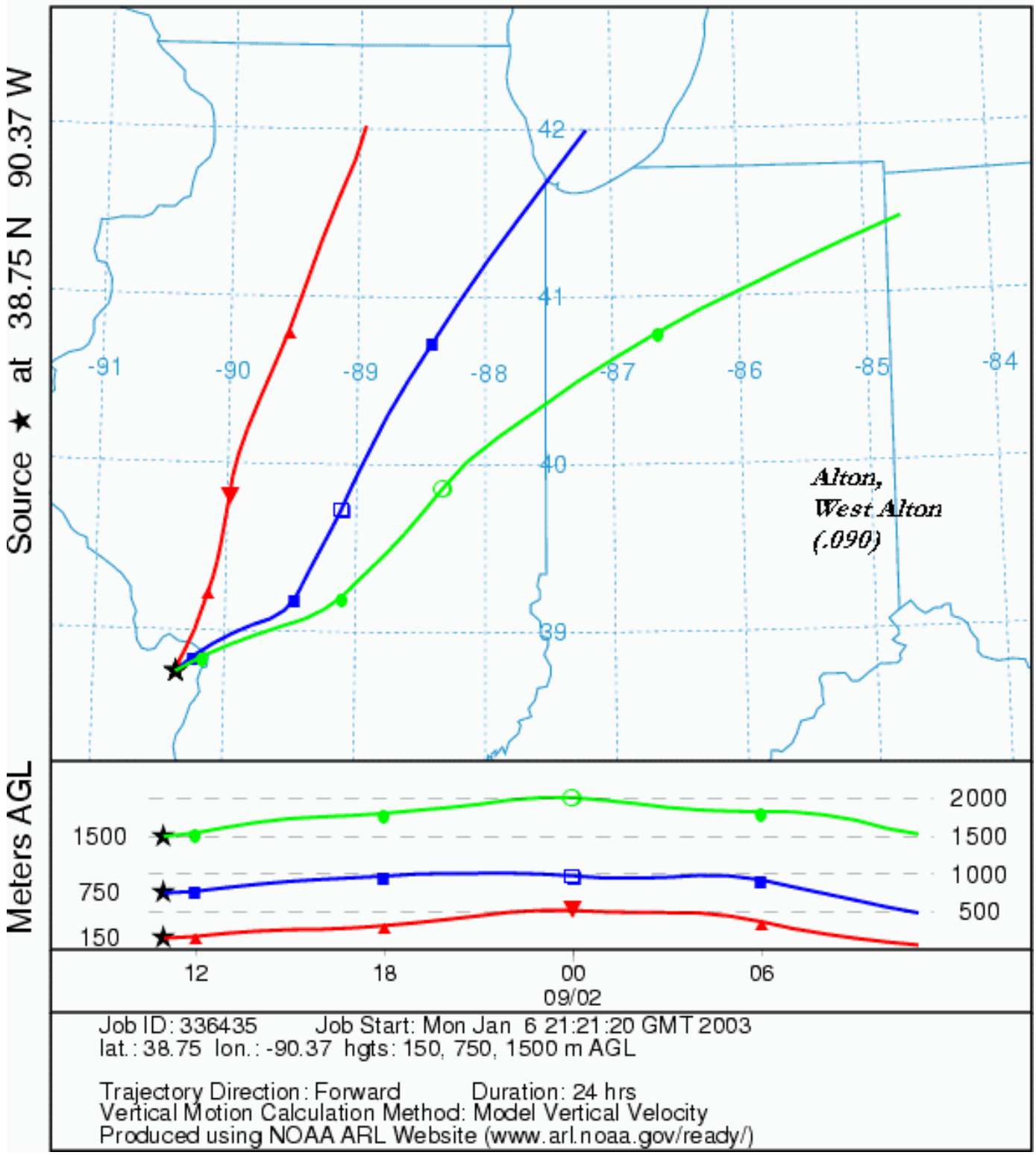
Job ID: 336427 Job Start: Mon Jan 6 21:19:43 GMT 2003
lat.: 38.75 lon.: -90.37 hgts: 150, 750, 1500 m AGL

Trajectory Direction: Forward Duration: 24 hrs
Vertical Motion Calculation Method: Model Vertical Velocity
Produced using NOAA ARL Website (www.arl.noaa.gov/ready/)

NATIONAL OCEANIC ATMOSPHERIC ADMINISTRATION

Forward trajectories starting at 11 UTC 01 Sep 02

EDAS Meteorological Data



Job ID: 336435 Job Start: Mon Jan 6 21:21:20 GMT 2003

lat.: 38.75 lon.: -90.37 hgts: 150, 750, 1500 m AGL

Trajectory Direction: Forward Duration: 24 hrs

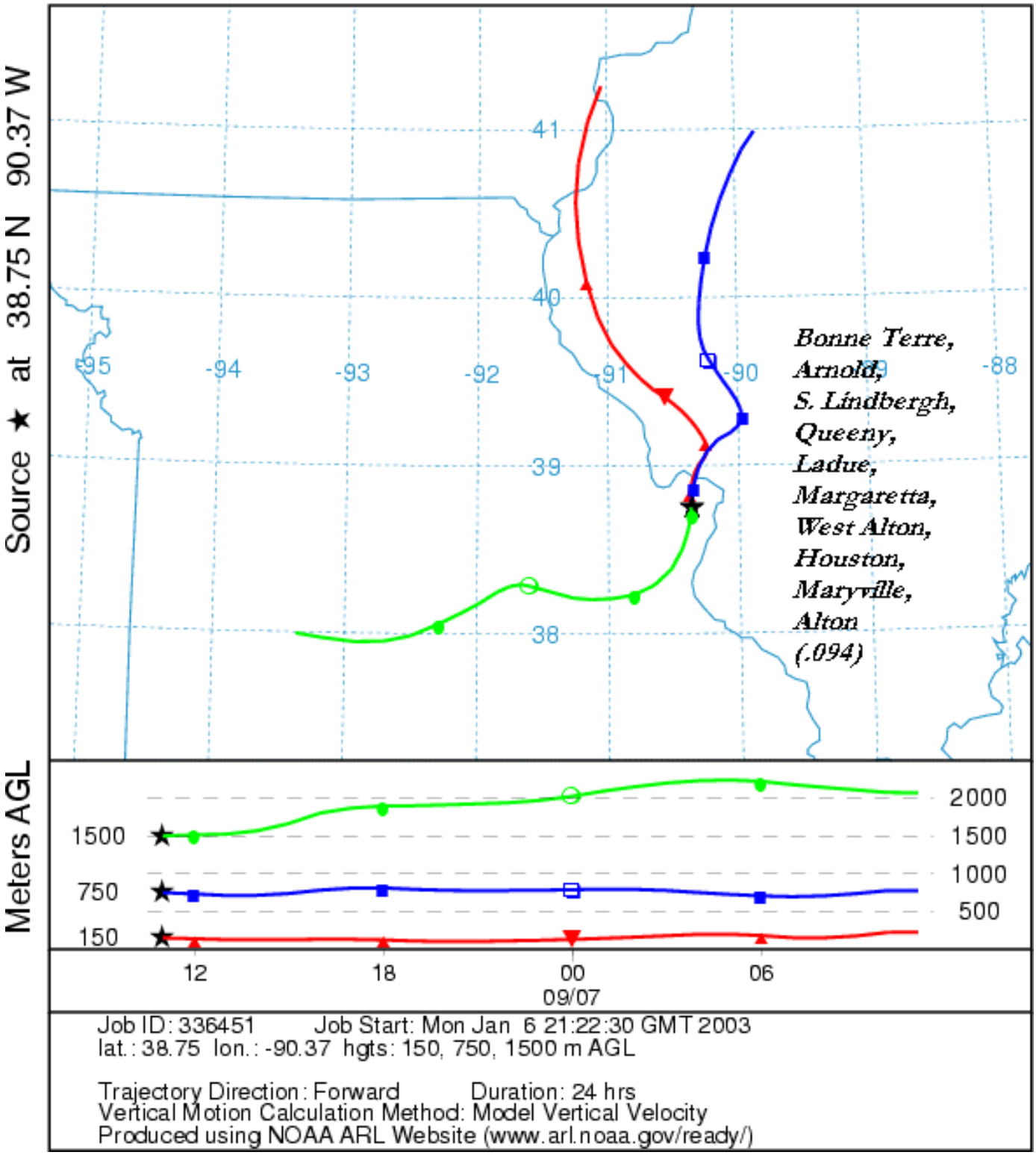
Vertical Motion Calculation Method: Model Vertical Velocity

Produced using NOAA ARL Website (www.arl.noaa.gov/ready/)

NATIONAL OCEANIC ATMOSPHERIC ADMINISTRATION

Forward trajectories starting at 11 UTC 06 Sep 02

EDAS Meteorological Data



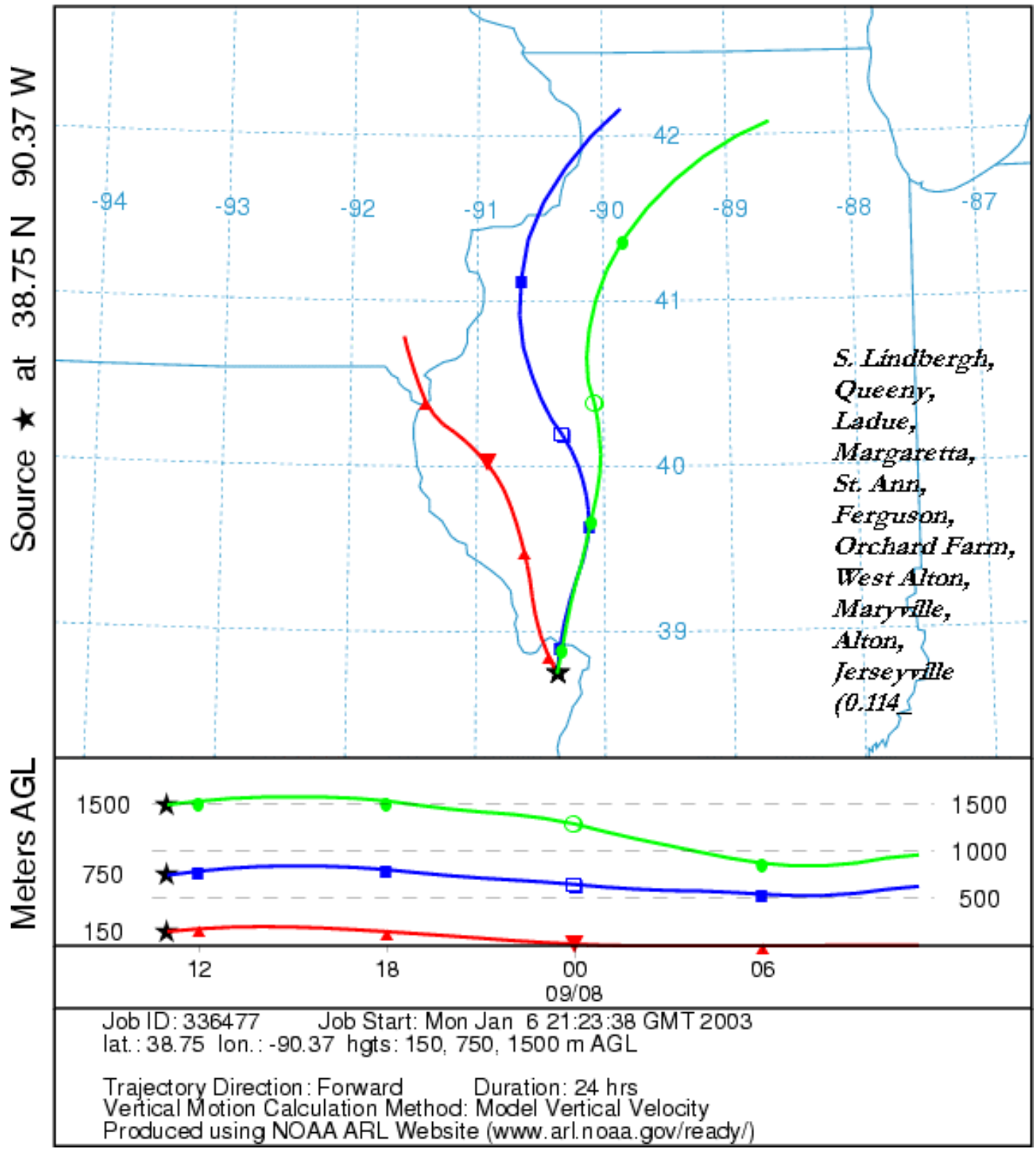
Job ID: 336451 Job Start: Mon Jan 6 21:22:30 GMT 2003
lat.: 38.75 lon.: -90.37 hgts: 150, 750, 1500 m AGL

Trajectory Direction: Forward Duration: 24 hrs
Vertical Motion Calculation Method: Model Vertical Velocity
Produced using NOAA ARL Website (www.arl.noaa.gov/ready/)

NATIONAL OCEANIC ATMOSPHERIC ADMINISTRATION

Forward trajectories starting at 11 UTC 07 Sep 02

EDAS Meteorological Data



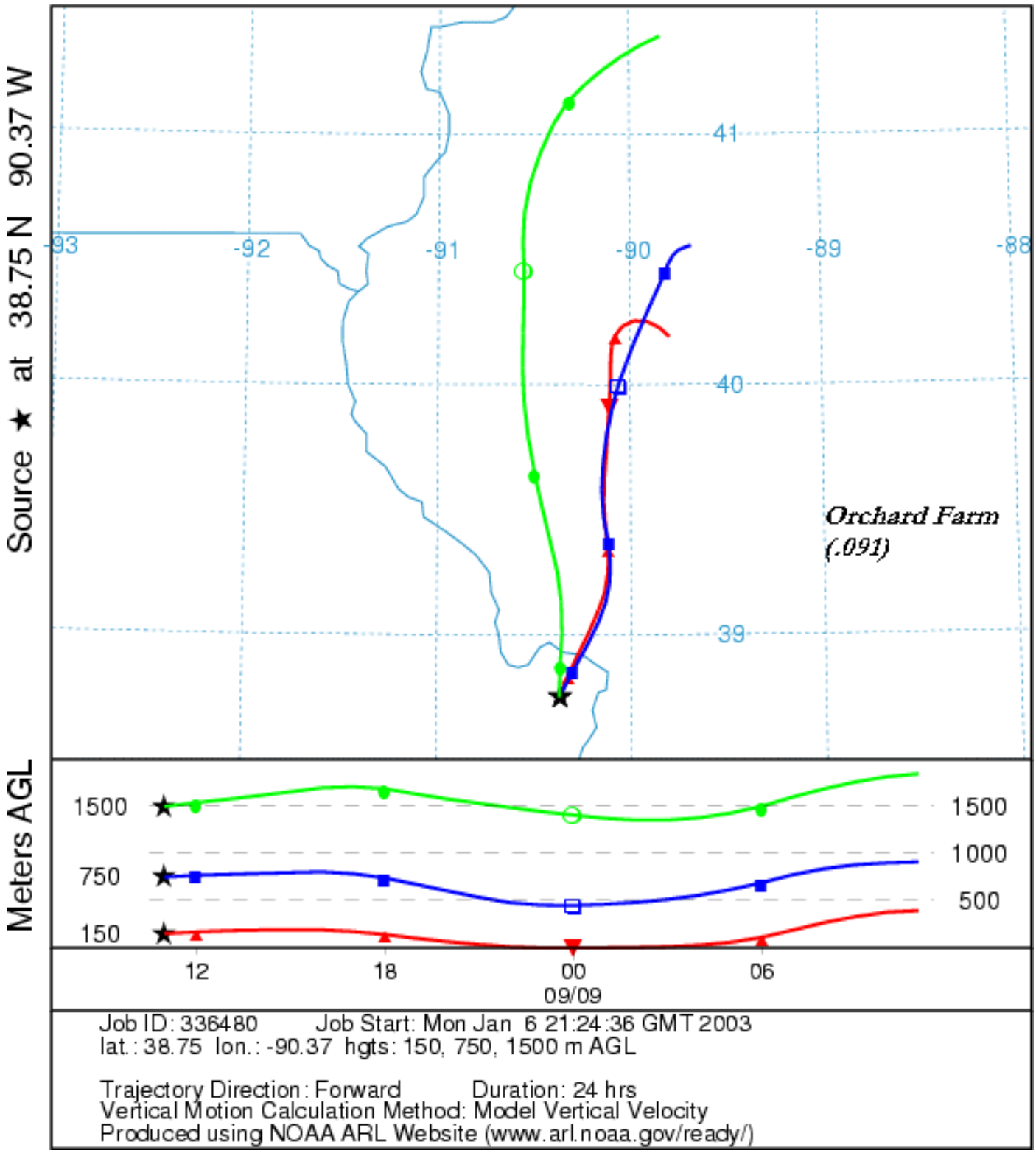
Job ID: 336477 Job Start: Mon Jan 6 21:23:38 GMT 2003
lat.: 38.75 lon.: -90.37 hgts: 150, 750, 1500 m AGL

Trajectory Direction: Forward Duration: 24 hrs
Vertical Motion Calculation Method: Model Vertical Velocity
Produced using NOAA ARL Website (www.arl.noaa.gov/ready/)

NATIONAL OCEANIC ATMOSPHERIC ADMINISTRATION

Forward trajectories starting at 11 UTC 08 Sep 02

EDAS Meteorological Data



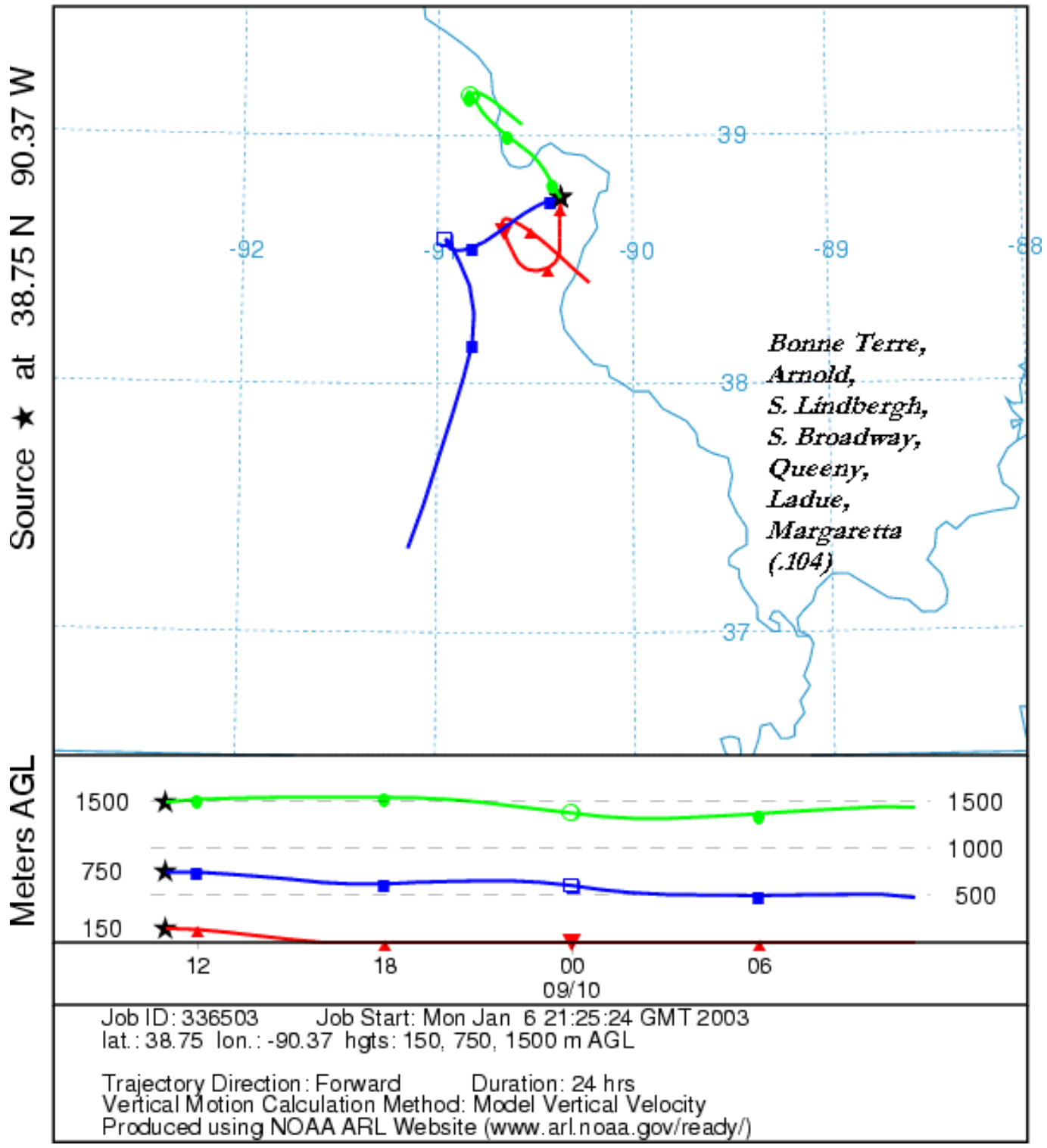
Job ID: 336480 Job Start: Mon Jan 6 21:24:36 GMT 2003
lat.: 38.75 lon.: -90.37 hgts: 150, 750, 1500 m AGL

Trajectory Direction: Forward Duration: 24 hrs
Vertical Motion Calculation Method: Model Vertical Velocity
Produced using NOAA ARL Website (www.arl.noaa.gov/ready/)

NATIONAL OCEANIC ATMOSPHERIC ADMINISTRATION

Forward trajectories starting at 11 UTC 09 Sep 02

EDAS Meteorological Data



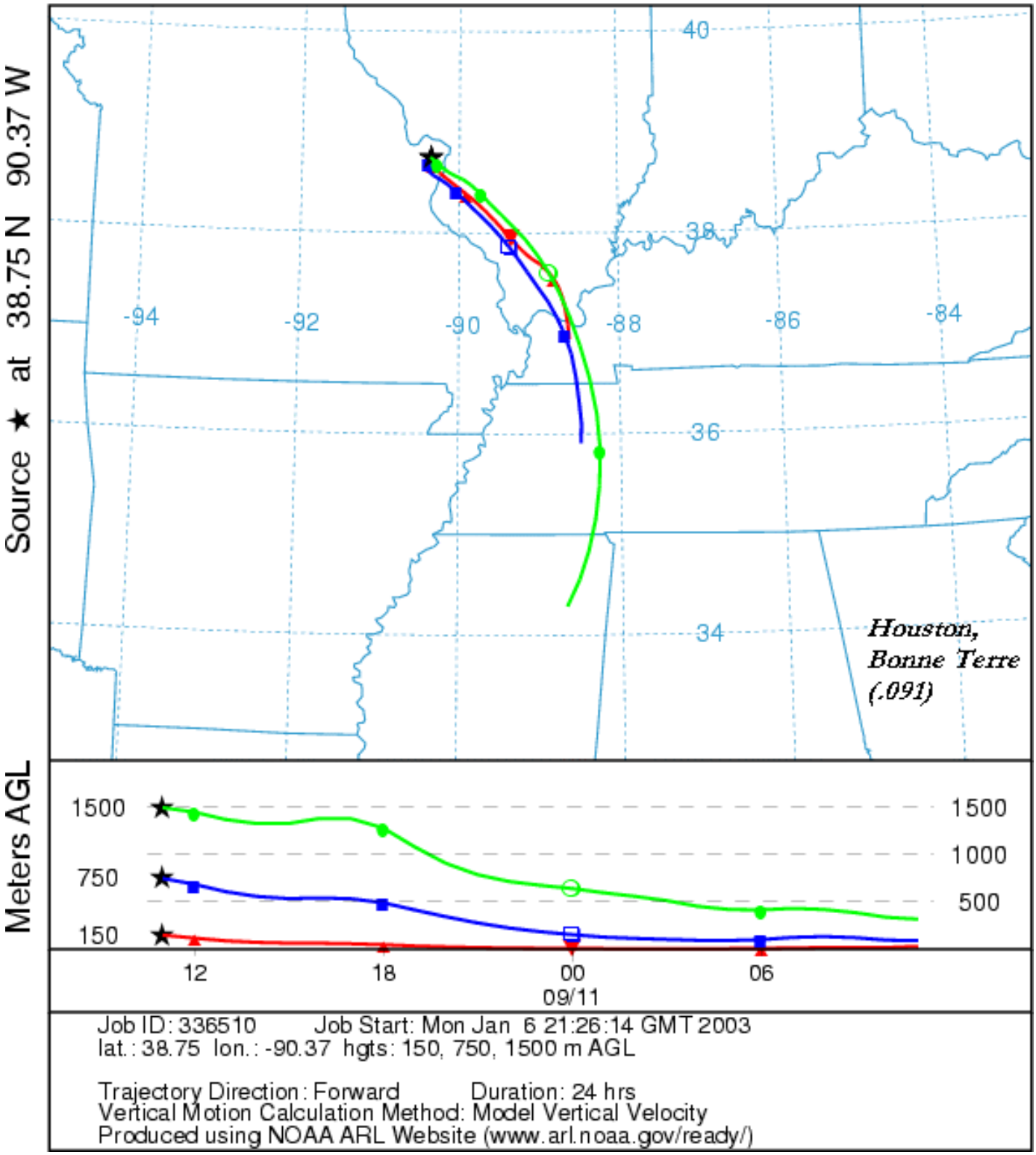
Job ID: 336503 Job Start: Mon Jan 6 21:25:24 GMT 2003
lat.: 38.75 lon.: -90.37 hgts: 150, 750, 1500 m AGL

Trajectory Direction: Forward Duration: 24 hrs
Vertical Motion Calculation Method: Model Vertical Velocity
Produced using NOAA ARL Website (www.arl.noaa.gov/ready/)

NATIONAL OCEANIC ATMOSPHERIC ADMINISTRATION

Forward trajectories starting at 11 UTC 10 Sep 02

EDAS Meteorological Data



Job ID: 336510 Job Start: Mon Jan 6 21:26:14 GMT 2003

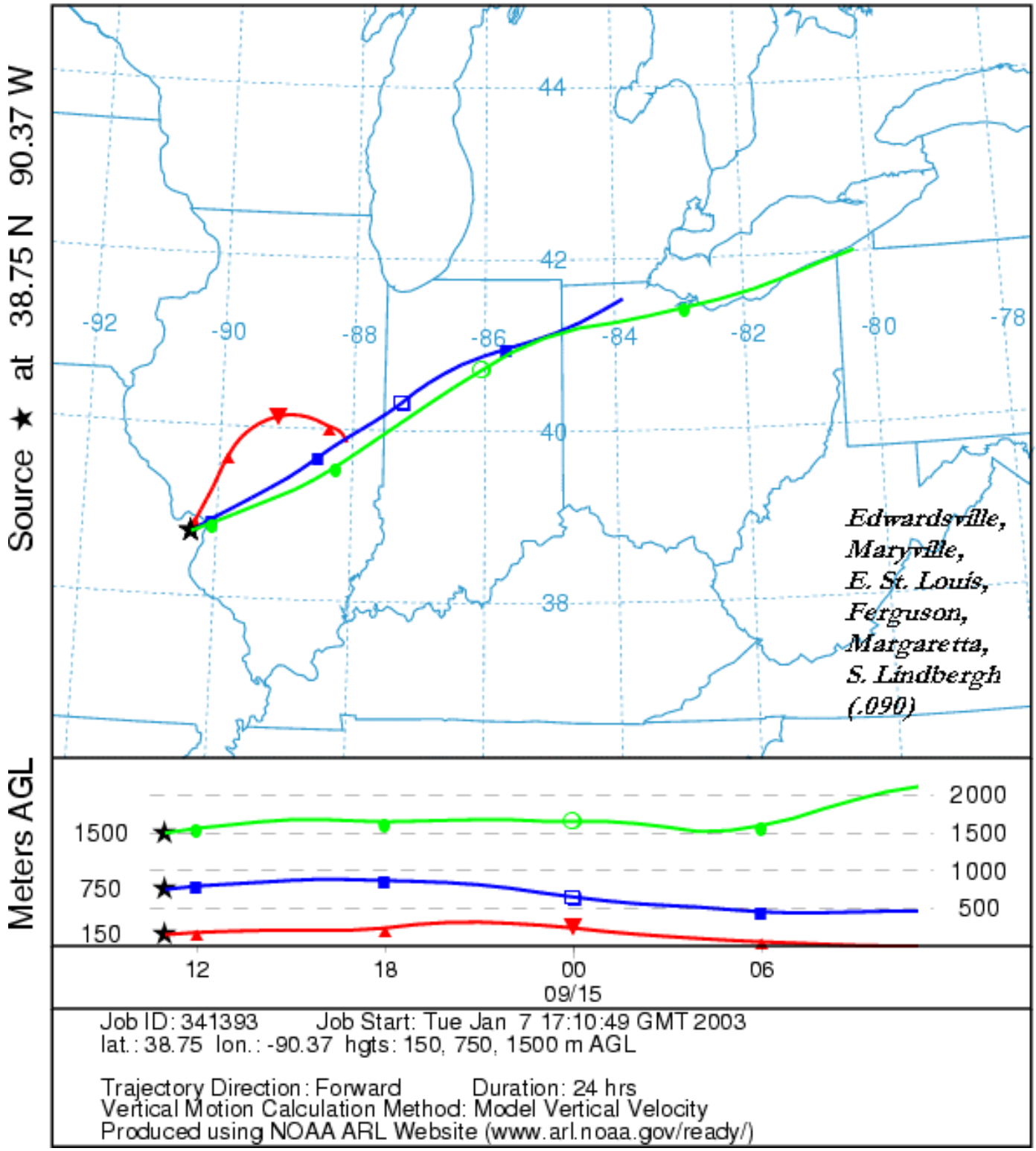
lat.: 38.75 lon.: -90.37 hgts: 150, 750, 1500 m AGL

Trajectory Direction: Forward Duration: 24 hrs

Vertical Motion Calculation Method: Model Vertical Velocity

Produced using NOAA ARL Website (www.arl.noaa.gov/ready/)

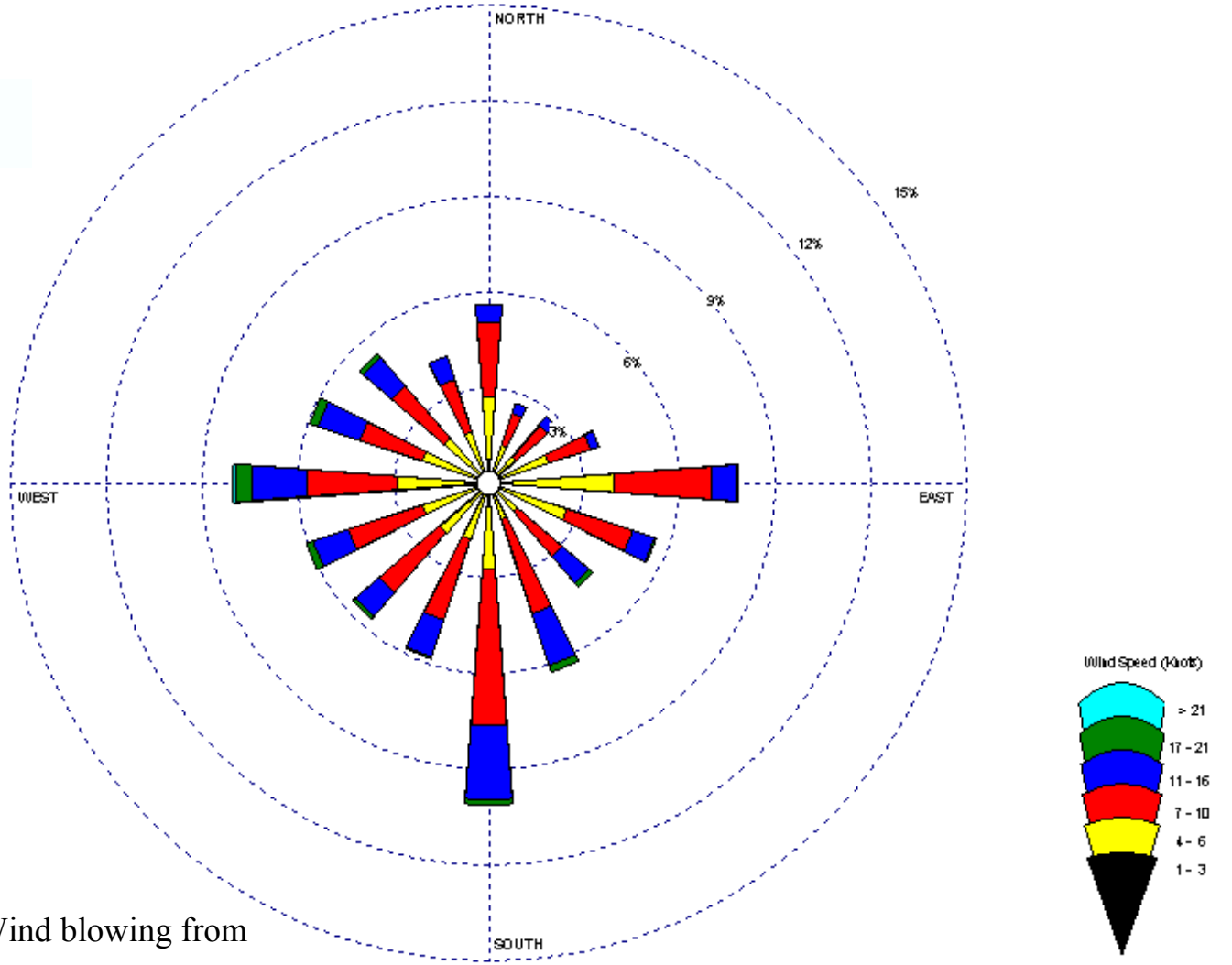
NATIONAL OCEANIC ATMOSPHERIC ADMINISTRATION
Forward trajectories starting at 11 UTC 14 Sep 02
EDAS Meteorological Data



Job ID: 341393 Job Start: Tue Jan 7 17:10:49 GMT 2003
lat.: 38.75 lon.: -90.37 hgts: 150, 750, 1500 m AGL

Trajectory Direction: Forward Duration: 24 hrs
Vertical Motion Calculation Method: Model Vertical Velocity
Produced using NOAA ARL Website (www.arl.noaa.gov/ready/)

St. Louis Lambert Airport Windrose (1995-99)
April-October (All Hours)

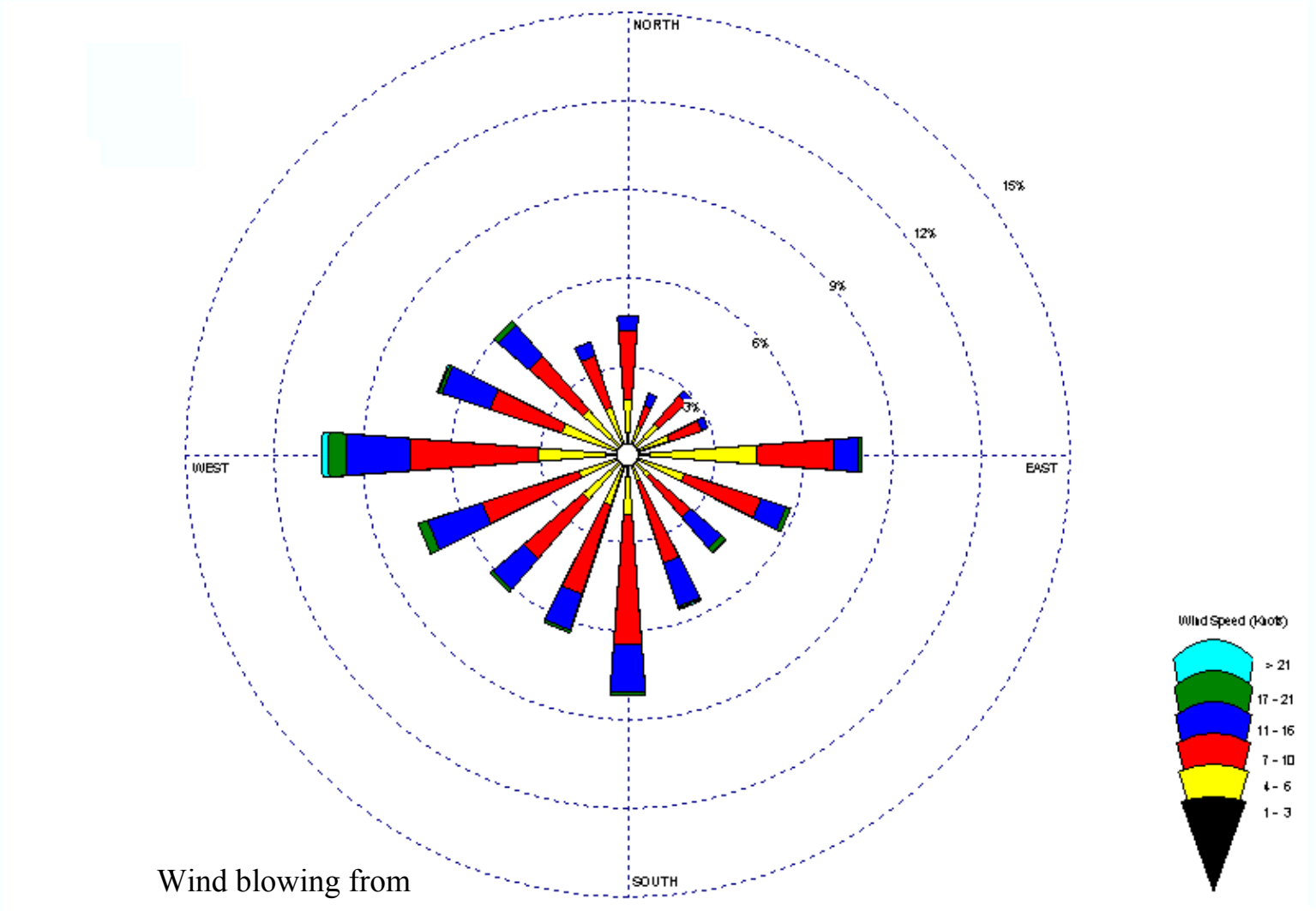


Wind blowing from

Avg. Wind Speed 8.06 knots

Calm Winds 9.26%

St. Louis Lambert Airport Windrose (1995-99)
April-October (7 AM - 10 AM)

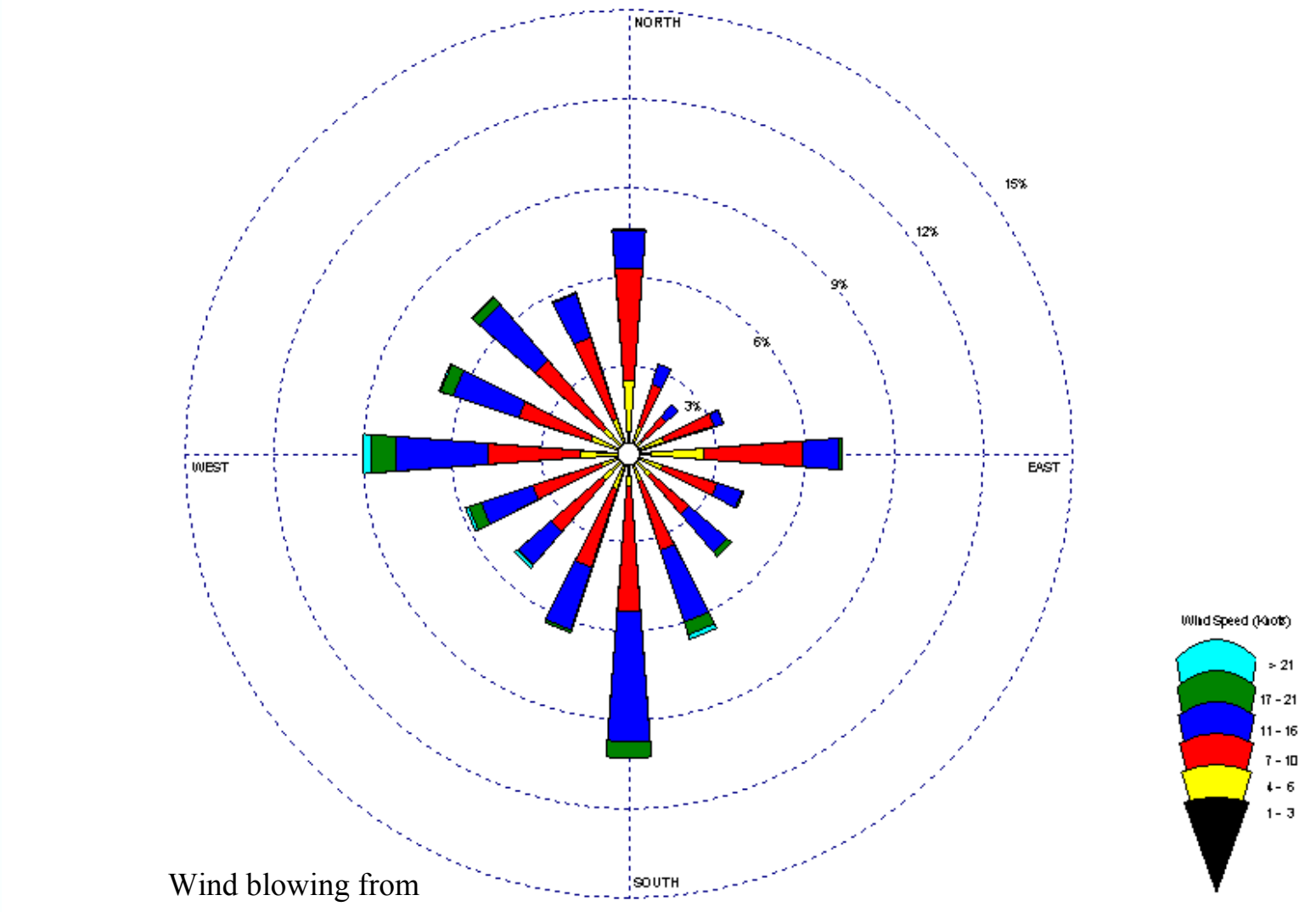


Wind blowing from

Avg. Wind Speed 8.26 knots

Calm Winds 7.41%

St. Louis Lambert Airport Windrose (1995-99)
April-October (1 PM - 4 PM)



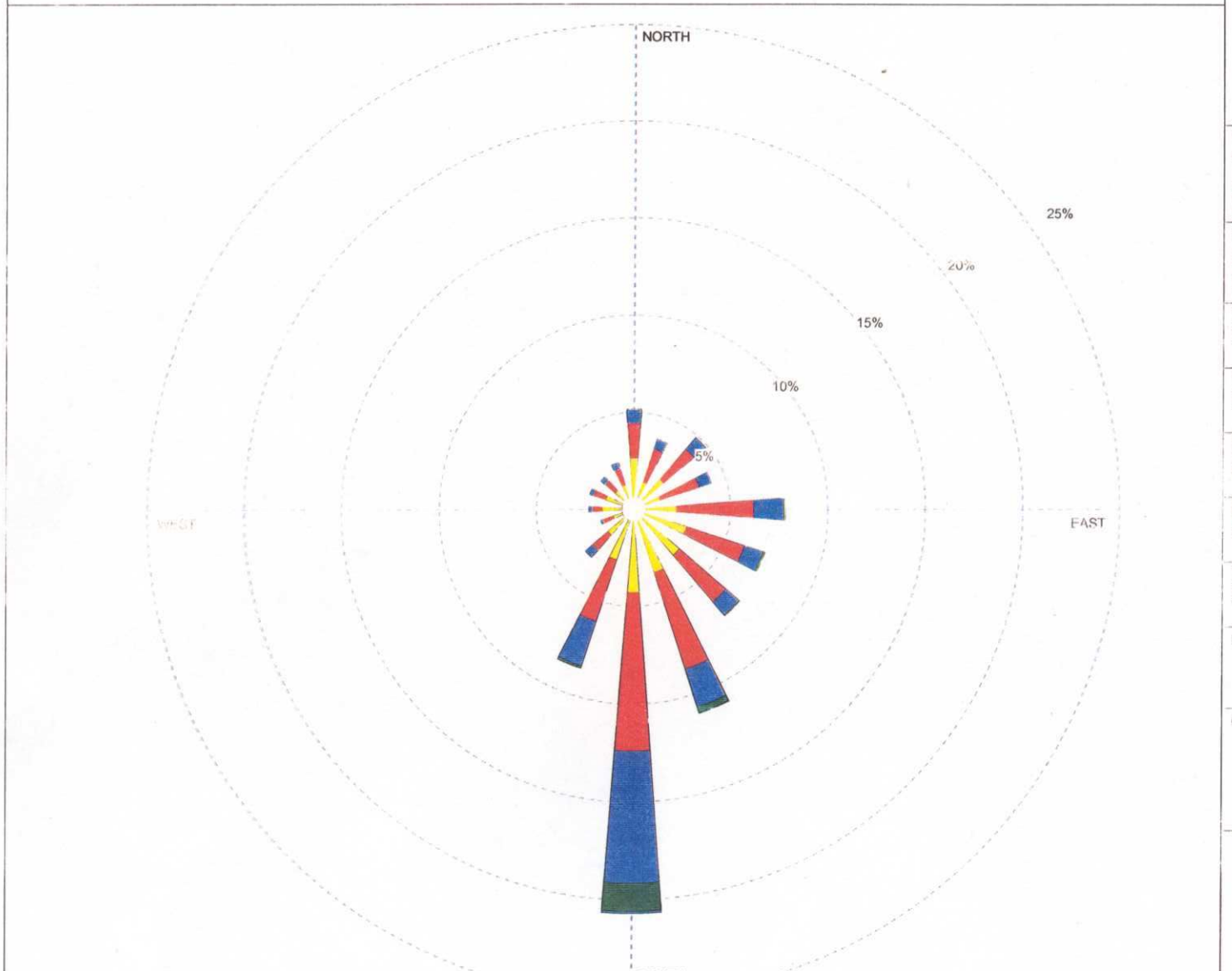
Wind blowing from

Avg. Wind Speed 9.49 knots

Calm Winds 4.16%

WRPLOT View 1.0 - WIND ROSE PLOT:

STATION #03947 - KANSAS CITY/INT'L ARPT, MO



COMMENTS:

PLOT YEAR-DATE-TIME:
00 01 02 97 98 99
June 1 - August 31
Midnight - 11 PM

ORIENTATION:
Direction
(blowing from)

DISPLAY:
Wind Speed

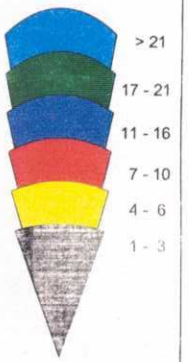
UNIT:
Knots

CALM WINDS:
3.52%

AVG. SPEED:
8.23 kts

DATE:
2-5-2003

Wind Speed (Knots)

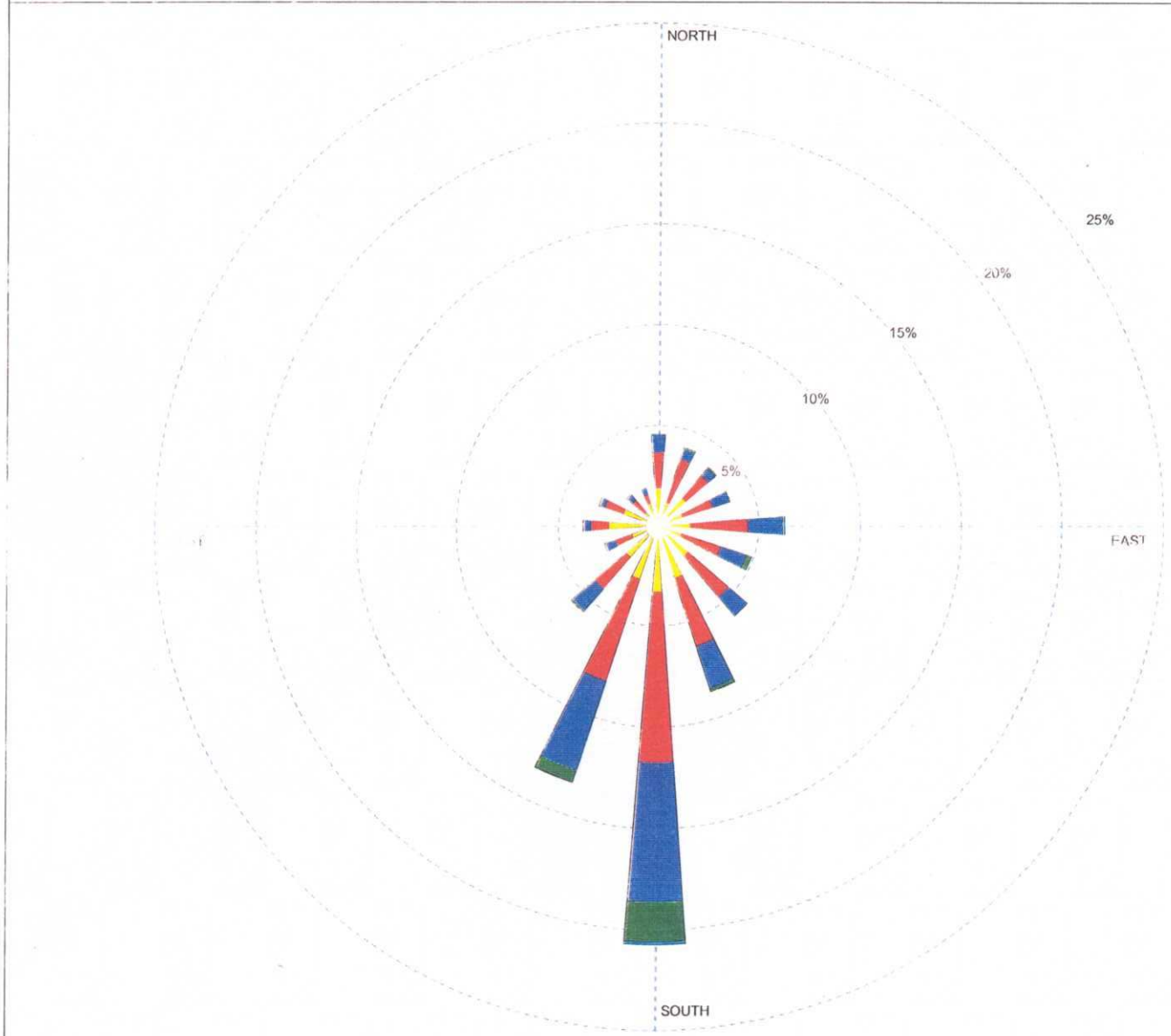


MODELER:

COMPANY NAME:

WRPLOT View 1.0 - WIND ROSE PLOT:

STATION #03947 - KANSAS CITY/INT'L ARPT, MO



COMMENTS:

PLOT YEAR-DATE-TIME:
00 01 02 97 98 99
June 1 - August 31
7 AM - 10 AM

ORIENTATION :
Direction (blowing from)

DISPLAY:
Wind Speed

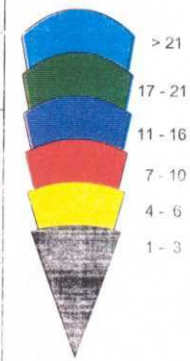
UNIT:
Knots

CALM WINDS:
3.05%

AVG. SPEED:
6.78 kts

DATE:
2-5-2003

Wind Speed (Knots)

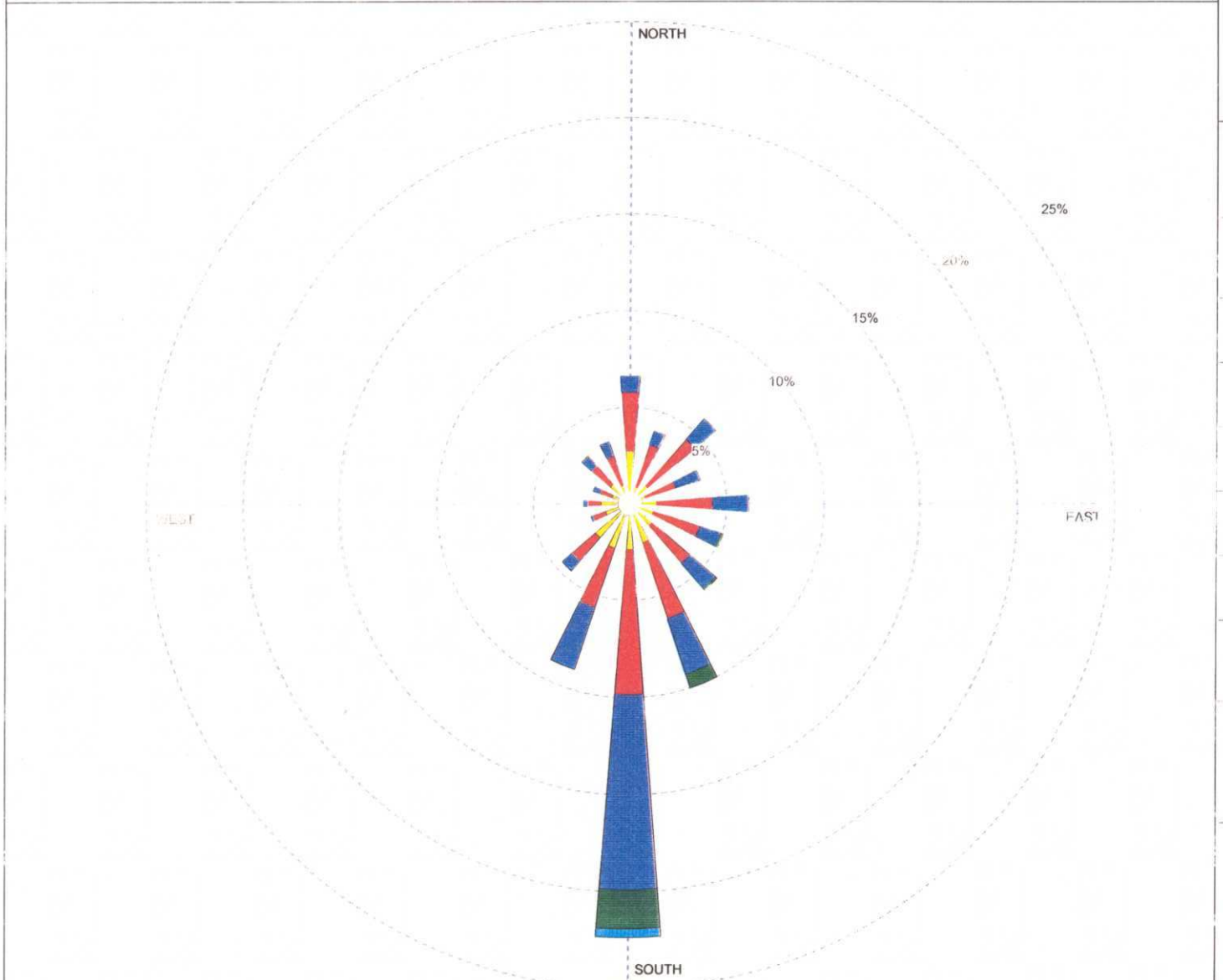


MODELER:

COMPANY NAME:

WRPLOT View 1.0 - WIND ROSE PLOT:

STATION #03947 - KANSAS CITY/INT'L ARPT, MO



COMMENTS:

PLOT YEAR-DATE-TIME:
00 01 02 97 98 99
June 1 - August 31
1 PM - 4 PM

ORIENTATION:
Direction
(blowing from)

DISPLAY:
Wind Speed

UNIT:
Knots

CALM WINDS:
2.50%

AVG SPEED
9.23 kts

DATE:
2-5-2003

Wind Speed (Knots)
> 21
17 - 21
11 - 16
7 - 10
4 - 6
1 - 3

MODELER:

COMPANY NAME: