



Office of Aviation

AWOS

IOWA AVIATION
WEATHER SYSTEM



**Iowa Department
of Transportation**

IOWA AVIATION WEATHER SYSTEM

The Iowa Aviation Weather System (IAWS) is a network of automated weather sensors that collect and disseminate weather data.

Collection of information

An Automated Weather Observing Station (AWOS) provides temperature, dew point, wind direction, wind speed, peak gusts, altimeter setting, density altitude, visibility and cloud height. The stations operate 24 hours a day and the weather data is updated every minute. AWOS units are located at 35 municipal airports in the Iowa communities as shown.

Dissemination of information

A computer-synthesized voice broadcasts the weather data that can be received either by ground-to-air radio or by telephone. The weather information can also be accessed through the computer network. The statewide network uses dedicated phone lines to connect all of the AWOSs to a host computer via a direct data link. The personal computer at each site can be used to access AWOS weather information from all other sites. It is also programmed to access the Federal Aviation Administration's Direct User Access Terminal (DUAT) system to receive national weather information and file flight plans. This information can be acquired by following the instructions on the computer screen.

The computer at an airport site may be accessed from any personal computer to gain weather observations. A communications program such as HyperTerminal® for Microsoft Windows® or comparable program must be used to access the airport computer. The computer must also have a Hayes-compatible modem with a transmission rate between 1,200 and 56,000 bps (56k). The modem setting should be 8 data bits, 1 stop bit and no parity. After successfully calling one of the airport sites, the information on the computer screen will have instructions for the viewer to follow to acquire the desired weather data.

Weather observations from the AWOS sites are now available through traditional aviation weather sources such as DUATs, Automated Flight Service Stations, Air Traffic Control and private vendors.

AWOS LOCATIONS I

AIRPORT

AWOS
VOICE

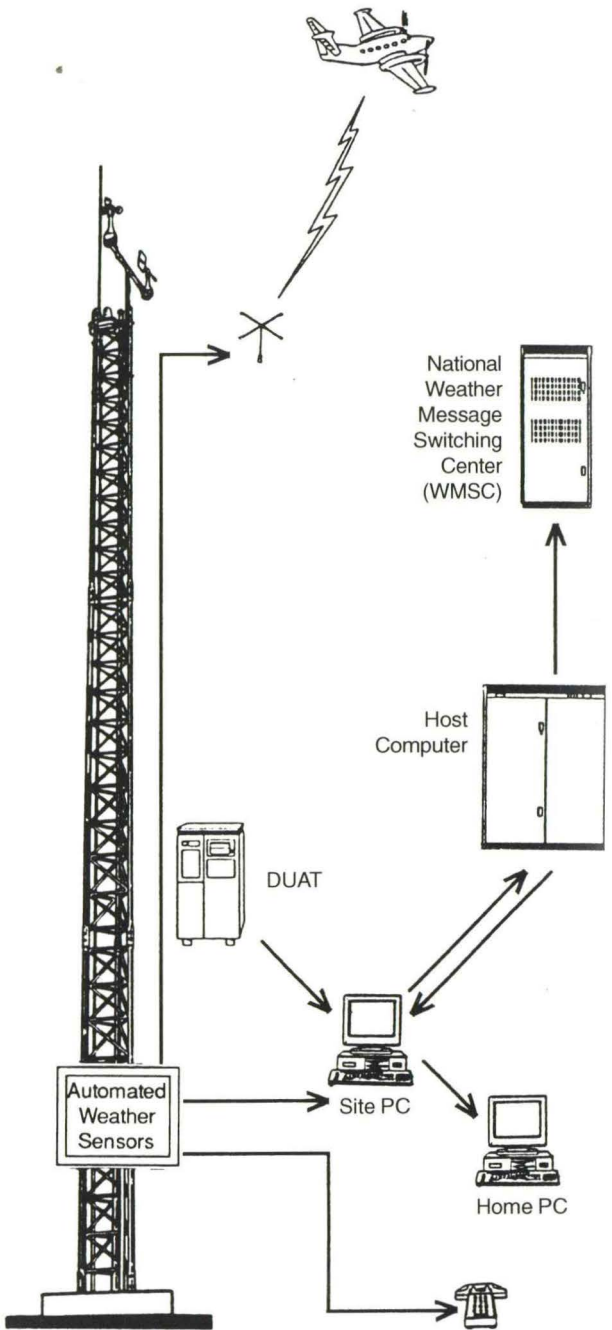
ALGONA-AXA	515-295-9634
ANKENY-IKV	515-965-5764
ATLANTIC-AIO	712-243-2748
AUDUBON-ADU	712-563-2101
BOONE-BNW	515-432-9042
CARROLL-CIN	712-792-2306
CHARITON-CNC	641-774-5645
CHARLES CITY-CCY	641-228-7069
CLARINDA-ICL	712-542-3345
CLARION-CAV	515-532-3515
COUNCIL BLUFFS-CBF	712-323-1542
CRESTON-CSQ	641-782-6286
DECORAH-DEH	563-382-2990
DENISON-DNS	712-263-6558
FAIRFIELD-FFL	641-472-4548
FORT MADISON-FSW	319-372-5147
HARLAN-HNR	712-744-4400
INDEPENDENCE-IIB	319-334-3879
KEOKUK-EOK	319-524-7884
KNOXVILLE-OXV	641-828-8406
LEMARS-LRJ	712-546-8439
MONTICELLO-MXO	319-465-6155
MOUNT PLEASANT-MPZ	319-385-4926
MUSCATINE-MUT	563-263-0902
NEWTON-TNU	641-791-3302
OELWEIN-OLZ	319-283-3518
ORANGE CITY-ORC	712-737-3193
PELLA-PEA	641-628-3459
RED OAK-RDK	712-623-3220
SHELDON-SHL	712-324-5159
SHENANDOAH-SDA	712-246-4021
STORM LAKE-SLB	712-732-2301
VINTON-VTI	319-472-3122
WASHINGTON-AWG	319-653-4149
WEBSTER CITY-EBS	515-832-2794

IOWA

HAYES MODEM

VHF FREQUENCY

515-295-9640	118.475
515-965-2346	119.175
712-243-2760	127.825
712-563-2106	118.075
515-432-9050	120.925
712-792-2768	118.025
641-774-5652	125.525
641-228-7251	125.525
712-542-3467	132.025
515-532-3607	126.575
712-323-1651	126.575
641-782-6674	124.750
563-382-3150	120.925
712-263-6528	119.950
641-472-4560	132.025
319-372-6106	120.925
712-744-4401	118.325
319-334-3936	118.275
319-524-7724	118.375
641-828-8407	119.775
712-546-9407	125.525
319-465-6157	119.275
319-385-4837	119.325
563-263-0956	119.775
641-791-3303	132.275
319-283-3738	119.675
712-737-3874	127.825
641-628-2355	118.875
712-623-3234	119.775
712-324-5311	119.775
712-246-4051	125.525
712-732-2971	118.525
319-472-3582	120.075
319-653-4382	127.825
515-832-2807	127.825



13 MODEMS AVAILABLE

In addition to the 35 AWOS locations, 13 modems have been installed at other airport sites. Our network can be accessed from these sites and from home computers.

AIRPORT	HAYES MODEM	
Ames AMW	515-232-5480	
Burlington BRL	319-754-1055	
Cedar Rapids CID	319-366-8082	Signature
Davenport DVN	563-388-6219	
Des Moines DSM	515-287-8338	Elliott
Dubuque DBQ	563-582-9072	
Estherville EST	712-362-4585	
Iowa City IOW	319-354-7833	
Marshalltown MIW	641-752-6511	
Mason City MCW	641-357-6205	
Ottumwa OTM	641-682-4169	
Spencer SPW	712-262-0392	
Waterloo ALO	319-233-0475	Livingston

For information or comments contact:



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