

ACTIVITY OF THE NATIONAL HYDROMETEOROLOGICAL SERVICE OF THE REPUBLIC OF BELARUS

Main objectives of Belhydromet

Regular observations of environmental conditions, data collection, its analysis and generalization

Hydrometeorological forecasting, provision of information on actual and expected weather conditions, as well as warnings about dangerous hydrometeorological events

Prompt response in case of accidents or incidents related to environmental contamination

Study of climatic peculiarities, agrometeorological and hydrological conditions in the territory of Belarus, analysis of regional climate changes. Maintenance of climate and water inventories

In accordance with established procedure, provision of all types of hydrometeorological, radiation and ecological information for the public authorities, other organizations, economic sectors and population

Participation in international exchange of information on the environment status in accordance with the WMO recommendations

Hydrometeorological Observation Network

The network of state hydrometeorological observations includes:

- ❖ **67** surface meteorological observation stations
- ❖ **7** civil aviation meteorological stations
- ❖ **114** hydrological stream gauge
- ❖ **3** aerological observations stations
- ❖ **5** Meteorological radar observation stations



Belhydromet in the information space

Social networks and messengers:



Daily content

More than 6 thousand subscribers

Over 500 daily views on YOUTUBE

Official sites:

belgidromet.by

+ 5 websites of regional branches

pogoda.by

More than 100 thousand visitors a month

meteoinfo.by

rad.org.by

nsmos.by

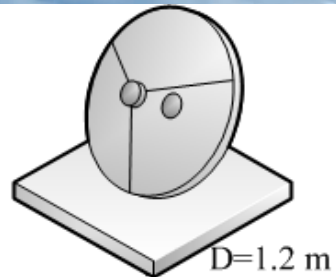
Interaction with EUMETSAT

Cooperation with EUMETSAT is based on Licence Agreement for the official duty use of METEOSAT data and other METOP data and products for 2020-2023.

Satellite data of different channels is used in operational work (with an interval of 5 minutes) for analysis, weather forecasting and preparation of warnings of adverse and dangerous meteorological events as well as for identification of cloud cover type (cumulus, stratus, fogs identification), for identification of thick cumulo-nimbus and convective cloud cover in the analysis of thundercloud situation, for alignment and carrying out of frontal separation on surface weather charts, for identification of air masses characteristics.

Work organization of DAWBEE stations

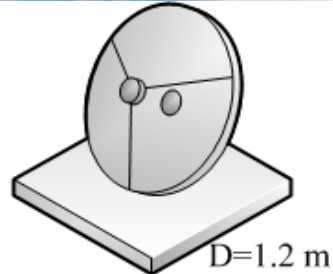
in 2010



SR1 Advanced
DVB-S2 receiver



Meteoros1

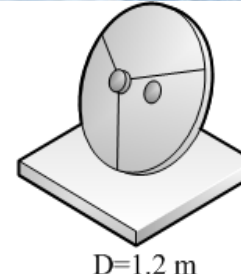


SR1 Advanced
DVB-S2 receiver



Meteoros2

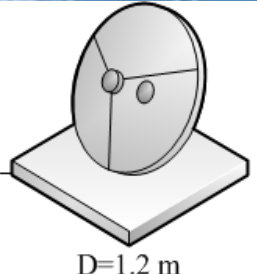
in 2019



D=1.2 m

SR1 Advanced
DVB-S2 receiver

Fast Ethernet
switch D-Link
DES-1005D



D=1.2 m



Meteoros1

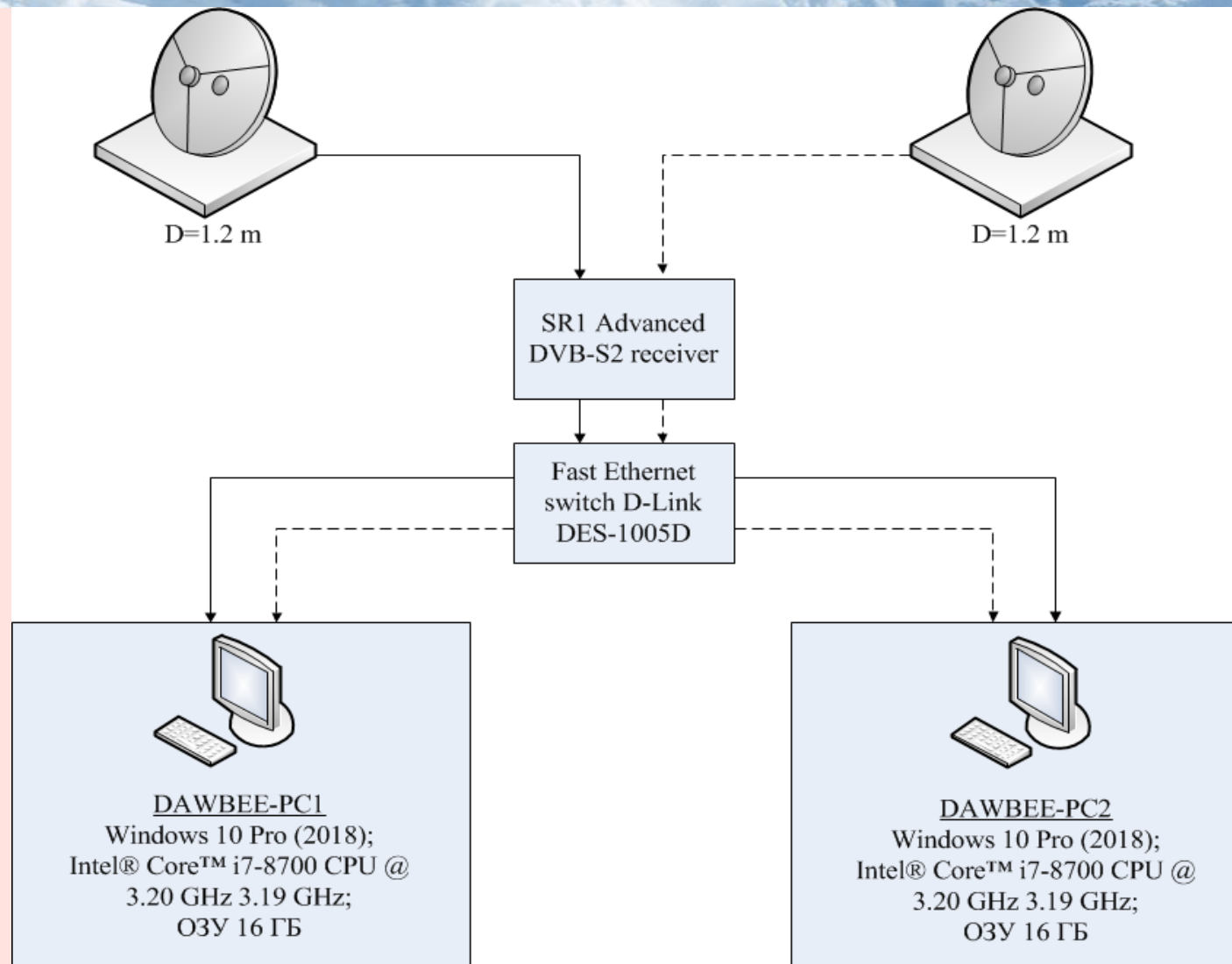
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2002) Service Pack 3;
Intel® Core™ 2 Duo CPU E7500 @
2.93 GHz 2.93 GHz;
ОЗУ 3,50 ГБ



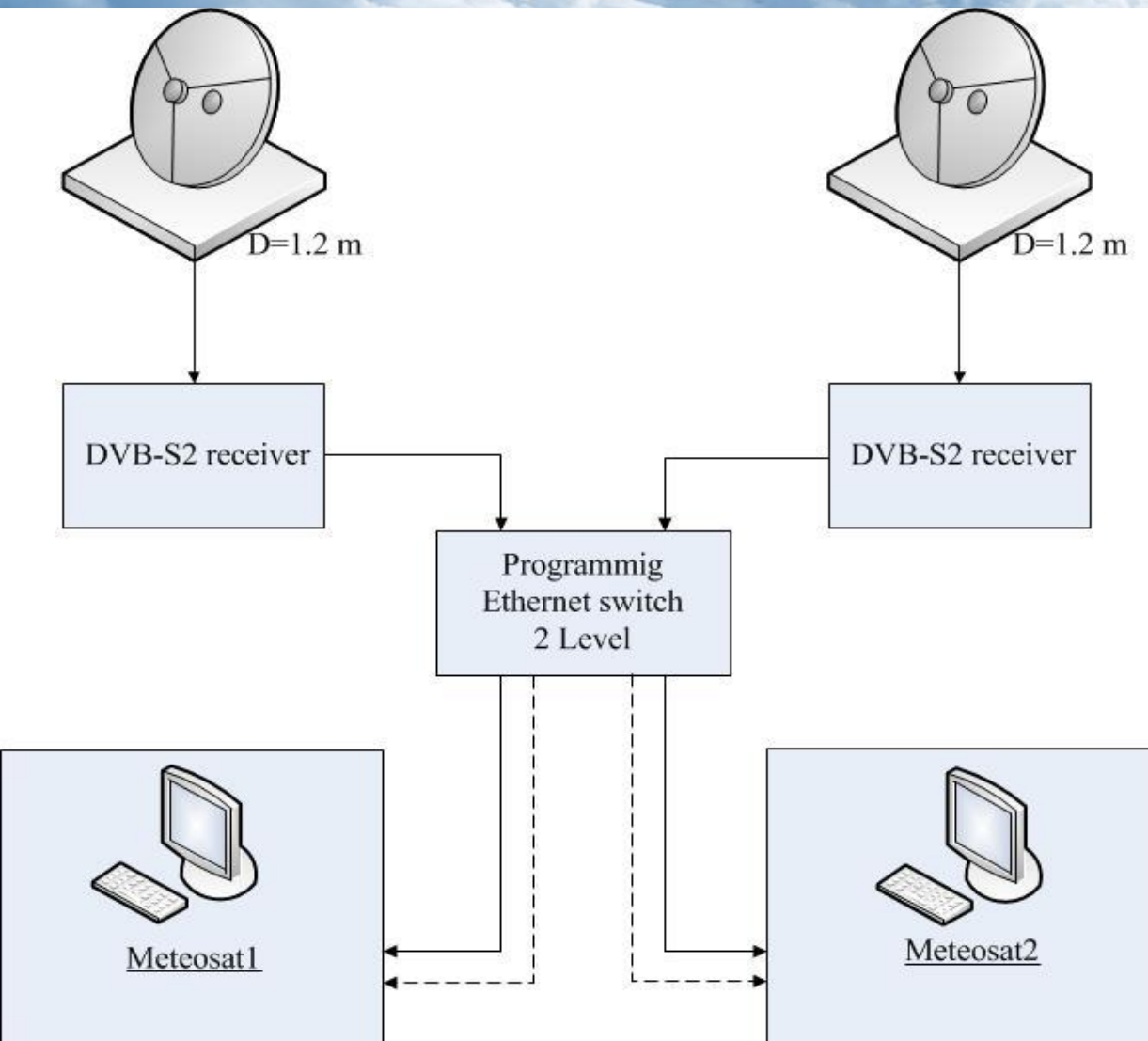
Meteoros2

Windows 7 Корпоративная
Service Pack 1;
Intel® Core™ 2 Duo CPU
E7500 @ 2.93 GHz 2.93 GHz;
ОЗУ 4,00 ГБ

Status of DAWBEE stations in 2019



Planned work organization of DAWBEE stations



1. Provide an autonomous operation of DAWBEE station (difficulties with purchasing an additional receiver).
2. Send specialists of Belhydromet for training in the operation (configuration) of specialized software of DAWBEE stations.

**Thank you for your
attention!**