

## Приложение 3. ИЗХОДНИ ПОЛЕТА ОТ МОДЕЛА ALADIN

### Приложение 3.1. Списък на 3D dynamic fields

wind zonal/x component CNU  
wind meridian/y component CNV  
wind velocity CNWND  
temperature CNT  
geopotential CNZ  
pressure CNP  
specific humidity CNQ  
relative humidity CNR  
vertical velocity (omega) Pa/s CNVV  
divergence CNDIV  
relative vorticity CNVOR  
absolute vorticity CNABS  
potential vorticity CNPV  
potential temperature CNTH  
stretching deformation CNSTD  
shearing deformation CNSHD  
passive scalars nr 1 CNSCVA(1)  
passive scalars nr 2 CNSCVA(2)  
passive scalars nr 3 CNSCVA(3)  
liquid water CNW  
solid water CNS  
cloud fraction (ECMWF) CNCLF  
ozone mixing ratio CNO3MX  
stream function CNKHI  
velocity potential CNPSI  
wet bulb potential CNTPW  
temperature  
NH pressure departure CNPD  
NH vertical divergence CNVD  
NH vertical velocity (w) CNVW  
Free upper air field nr 1 CNUA1  
Free upper air field nr 2 CNUA2  
Free upper air field nr 3 CNUA3

### **Приложение 3.2. Списък на 2D dynamic fields**

surface pressure CNSP  
mean sea level pressure CNMSL  
interpolated model CNFIS  
orography  
Map factor CNGM  
folding indicator of the iso-2 PVU surface CNFOL  
ICAO jet zonal/x component of wind CNSU1  
ICAO jet meridian/y component of wind CNSU2  
ICAO jet pressure CNSU3  
ICAO tropopause pressure CNSU4  
ICAO tropopause temperature CNSU5  
Log. of surface pressure CNLNSP  
Surface vertical velocity m/s

### Приложение 3.3. Списък на Surface fields

Land/sea mask CNLSM  
OUTPUT Grid-point orography, times g CNGFIS  
Surface temperature CNST  
Deep soil temperature CNDST  
interpolated surface temperature CNRDST  
Surface soil wetness CNSSW  
Deep soil wetness CNDSW  
Frozen deep soil wetness CNFDSW  
Relaxation deep soil wetness CNRDSW  
Clim. relative surface soil wetness CNCSSW  
Clim. relative deep soil wetness CNCDSW  
Snow depth CNSD  
Snow density CNSNDE  
Surface roughness, times g CNSR  
Roughness length of bare surface,  
times g CNBSR  
Snow surface albedo CNAL  
Bare surface albedo CNALSN  
Albedo CNBAAL  
Emissivity CNEMIS  
Std. deviation of orography,  
times g CNSDOG  
percentage of vegetation CNVEG  
percentage of land CNLAN  
Anisotropy coefficient of topography CNACOT  
Direction of main axis of topography CNDPAT  
Type of vegetation CNIVEG  
Stomatal minimum resistance CNRSMIN  
Silt percentage within soil CNARG  
Percentage of sand CNSAB  
Root depth CND2  
Leaf area density CNLAI  
Resistance to evapotranspiration CNHV  
Thermal roughness length (times g) CNZOH  
Interception content CNIC  
Frozen superficial soil wetness CNFSSW  
Frozen deep soil wetness CNFDSW

#### **Приложение 3.4. Списък на Accumulated fluxes**

Large Scale Precipitation CNCLSP  
Convective precipitation CNCCP  
Large Scale Snow fall CNCLSS  
Convective Snow Fall CNCCSF  
U-stress CNCUSS  
V-stress CNCVSS  
Surface Sensible Heat Flux CNCSSH  
Surface Latent Heat Flux CNCSLH  
Tendency of Surface pressure CNCTSP  
Total Cloud cover CNCTCC  
Boundary Layer Dissipation CNCBLD  
Surface solar radiation CNCSSR  
Surface Thermal radiation CNCSTR  
Top Solar radiation CNCTSR  
Top Thermal radiation CNCTTR  
Convective Cloud Cover CNCCCC  
Surface downward moon radiation CNCSMR  
High Cloud Cover CNCHCC  
Medium Cloud Cover CNCMCC  
Low Cloud Cover CNCLCC  
U-Gravity-Wave Stress CNCUGW  
V-Gravity-Wave Stress CNCVGW  
Water Evaporation CNCE  
Snow Sublimation CNCS  
Latent Heat Evaporation CNCLHE  
Latent Heat Sublimation CNCLHS  
Cloudiness CNCC  
Soil Moisture CNCWS  
Snow mass CNCSNS  
Total precipitable water CNCQTO  
Total Ozone CNCTO3  
Top mesospheric enthalpy CNCTME  
Solid specific moisture CNCICE  
Liquid specific moisture CNCLI  
Contribution of Convection to U CNCCVU  
Contribution of Convection to V CNCCVV  
Contribution of Convection to Q CNCCVQ  
Contribution of Convection to Cp.T CNCCVS  
Contribution of Turbulence to Q CNCTUQ  
Contribution of Turbulence to Cp.T CNCTUS  
Clear sky shortwave radiative flux CNCSOC  
Clear sky longwave radiative flux CNCTHC  
Surface parallel solar flux CNCSOP  
Top parallel solar flux CNCTOP  
Surface down solar flux CNCSOD  
Surface down thermic flux CNCTHD

Melted snow CNCFON  
flux de chaleur dans le sol CNCCHS  
flux d'eau dans le sol CNCEAS  
Ruissellement du réservoir  
superficiel CNCSRU  
Ruissellement du réservoir profond CNCDRU  
Ruissellement du réservoir  
d'interception CNCIRU  
Evapotranspiration CNCETP  
Transpiration CNCTP

### Приложение 3.5. Списък на Instantaneous fluxes

U-component of wind at 10 meters (pbl) CNX10U  
V-component of wind at 10 meters (pbl) CNX10V  
Maximum temperature at 2 meters CNXX2T  
Minimum temperature at 2 meters CNXN2T  
Temperature at 2 meters (pbl) CNX2T  
Specific Humidity at 2 meters (pbl) CNX2SH  
Relative Humidity at 2 meters (pbl) CNX2RH  
Total Cloud cover CNXTCC  
Convective Cloud Cover CNXCCC  
High Cloud Cover CNXHCC  
Medium Cloud Cover CNXMCC  
Low Cloud Cover CNXLCC  
Contribution of Convection to U CNXCVU  
Contribution of Convection to V CNXCVV  
Contribution of Convection to Q CNXCVQ  
Contribution of Convection to Cp.T CNXCVS  
Contribution of Turbulence to U CNXTUU  
Contribution of Turbulence to V CNXTUV  
Contribution of Turbulence to Q CNXTUQ  
Contribution of Turbulence to Cp.T CNXTUS  
Large Scale Precipitation CNXLSP  
Convective precipitation CNXCP  
Large Scale Snow fall CNXLSS  
Convective Snow Fall CNXCSF  
Contribution of Gravity Wave drag to U CNXGDU  
Contribution of Gravity Wave drag to V CNXGDV  
Top solar radiation CNXSSR  
Top Thermal radiation CNXSTR  
Top Solar radiation CNXTSR  
Top Thermal radiation CNXTTR