

Index

A

Antenna library, subdirectory, 1-1
AWS product transmission format, B-1
Axis of Dillitation, 2-byte data format, 3-34

B

BITE command packet, A-11
BITE individual command, A-13
BITE packet, A-11

C

cappi_psi_struct structure, 3-2
Cartesian product, file format, 3-46
Catch_psi_struct structure, 3-2
Catch_results structure, 3-2
Chat-mode packet, A-14
color_scale_def structure, 3-3
Config library, subdirectory, 1-1
cross_psi_struct structure, 3-4

D

Data, display product-specific, 4-1
data compression algorithm, 3-48
data format, 3-1
 structure, 3-1
 tape, 3-52
 TIFF, 3-53
data type, constants, 3-54
data types, 3-34
DB_AXDIL2 constant, 3-55
DB_CDBZ constant, 3-54
DB_CDBZ2 constant, 3-54
DB_DEFORM2 constant, 3-55
DB_DIVERGE2 constant, 3-55
DB_FLIQUID2 constant, 3-55
DB_HDIR2 constant, 3-55
DB_HEIGHT constant, 3-54

DB_HVEL2 constant, 3-55
DB_OTHER constant, 3-55
DB_RAW constant, 3-55
DB_SHEAR constant, 3-55
DB_UDBZ constant, 3-54
DB_UDBZ2 constant, 3-54
DB_USER constant, 3-55
DB_VEL constant, 3-54
DB_VEL2 constant, 3-54
DB_VIL2 constant, 3-54
DB_VVEL2 constant, 3-55
DB_WIDTH constant, 3-54
DB_WIDTH2 constant, 3-54
DB_XHDR constant, 3-54
DB_ZDR constant, 3-54
DB_ZDR2 constant, 3-54
Deformation, data format, 3-35 , 3-43
Divergence, data format, 3-35
DSP library, subdirectory, 1-1
dsp_data_mask structure, 3-4

E

Echo Tops, data format, 3-36
extended_header format, ingest file, 3-34
extended_header_v0 structure, 3-4
 in ingest file data format, 3-34
extended_header_v1 structure, 3-4
 in ingest file data format, 3-34

F

FCAST product, file format, 3-46
fcast_psi_struct structure, 3-5
floating liquid format, ingest file, 2-byte,
 3-35

G

Gage_psi_struct structure, 3-5
Gage_results structure, 3-6

H

HKO picture types, B-3
HKO product transmission format, B-2
horizontal product type, 2-4

Horizontal wind direction, 2-byte data format, 3-36

I

Ingest file
 data format, 3-45
 naming convention, 3-45
ingest_configuration structure, 3-6
ingest_data_header structure, 3-7
ingest_header structure, 3-8

K

KDP, 2-byte data format, 3-37
KDP format, 3-36

L

LDR
 1-byte data format, 3-37
 2-byte data format, 3-38
legend, for user-generated products, 2-4
llwas_psi_struct structure, 3-28

M

Makefile, 1-5
max_psi_struct structure, 3-8

N

NDOP product, file format, 3-46
ndop_input structure, 3-8
ndop_psi_struct structure, 3-9
Ndop_results structure, 3-9
NORDRAD, area definition file, 2-6
NORDRAD_AREAS.DAT, 2-6

O

one_protected_region structure, 3-9

P

Phi
 1-byte data format, 3-38
 2-byte data format, 3-38
PHIdp
 1-byte data format, 3-38
 2-byte data format, 3-38
Pipes, 2-1
ppi_psi_struct structure, 3-9
Printer library, subdirectory, 1-1
Product
 examiner, 4-1
 file abbreviation, 4-1
Product file
 data format, 3-46
 naming convention, 3-50
product types, 2-4
product_configuration structure, 3-10
product_end structure, 3-11
product_hdr structure, 3-12
product_specific_info structure, 3-14
Productx utility, source code, 1-2
protect_setup structure, 3-15
 in SLINE product file, 3-49
 in TRACK product file, 3-49
 in WARN product file, 3-50

Q

Q-BITE interrogate packet, A-13
Q-BITE packet, A-12

R

radar control processor, protocol, A-1
rain_psi_struct structure, 3-15
rainfall rate format, 3-39
RAW product, file format, 3-46
 example, 3-48
raw_prod_bhdr structure, 3-15
 in RAW product file, 3-47
 in RAW product ingest data file, 3-47
raw_psi_struct structure, 3-16
ray_header structure, 3-16
Rays utility, source code, 1-2
RCV01 communication format, A-1

RCV01 serial format, A-3
RCV02 communication format, A-1
RCV02 serial format, A-5
RCV03 communication format, A-1
RCV03 serial format, A-7
reflectivity
 1-byte data format, 3-34
 2-byte data format, 3-34
rhi_psi_struct structure, 3-16
Rho
 1-byte data format, 3-39
 2-byte data format, 3-39
RhoHV
 1-byte data format, 3-40
 2-byte data format, 3-40
RTD formats, D-1
rti_psi_struct structure, 3-17

S

Serial control formats
 RCV01 format, A-3
 RCV02 format, A-5
 RCV03 format, A-7
 XMT01 format, A-4
 XMT02 format, A-6
shear_psi_struct structure, 3-17
SLINE product, file format, 3-49
sline_psi_struct structure, 3-17
sline_results structure, 3-18
 in SLINE product file, 3-49
SQI
 1-byte data format, 3-40
 2-byte data format, 3-41
sri_psi_struct structure, 3-20
status_antenna_info structure, 3-20
status_device_info structure, 3-21
status_message_info structure, 3-21
status_misc_info structure, 3-21
status_one_device structure, 3-22
status_one_process structure, 3-22
status_process_info structure, 3-22
status_results structure, 3-22
structure definitions, 3-1
structure_header structure, 3-23

T

tape, file format, 3-52
tape_header_record structure, 3-23
 in tape format, 3-52
task_calib_info structure, 3-23
task_configuration structure, 3-24
task_dsp_info structure, 3-25
 in the RAW product file, 3-47
task_end_info structure, 3-25
task_file_scan_info structure, 3-26
task_manual_scan_info structure, 3-26
task_misc_info structure, 3-26
task_ppi_scan_info structure, 3-27
task_range_info structure, 3-27
task_rhi_scan_info structure, 3-27
task_scan_info structure, 3-28
task_sched_info structure, 3-28
TDWR product, file format, 3-49
tdwr_results structure, 3-29
 in TDWR file format, 3-49
text_results structure, 3-29
TIFF
 fields used by IRIS, 3-53
 file format, 3-53
Time, 2-byte data format, 3-41
time packet, A-11
top_psi_struct structure, 3-29
TRACK product, file format, 3-49
track_psi_struct structure, 3-29
track_results structure, 3-30
 in track file format, 3-49
TV subroutine library, subdirectory, 1-2

U

UF format, C-1
uf_data_header structure, C-3
uf_field_header structure, C-3
uf_field_specific_info structure, C-4
uf_mandatory_header structure, C-2
uf_optional_header structure, C-3
User library, subdirectory, 1-2
User Product Insert (UPI), 2-1

V

Velocity

- 1-byte data format, 3-41

- 1-byte unfolded format, 3-42

- 2-byte data format, 3-42

- 2-byte unfolded format, 3-42

- vertical product type, 2-4

- VIL, ingest file format, 2-byte, 3-42

- vil_psi_struct structure, 3-31

- Virtual TV library, subdirectory, 1-2

- VVP product, file format, 3-50

- vvp_psi_struct structure, 3-31

- vvp_results structure, 3-31

- in VVP product file, 3-50

W

- WARN product, file format, 3-50

- warn_psi_struct structure, 3-32

- warning_results structure, 3-32 , 3-50

Width

- 1-byte data format, 3-43

- 2-byte data format, 3-43

- WIND product, file format, 3-50

- Wind shear, data format, 3-40

- wind_psi_struct structure, 3-33

- wind_results structure, 3-33 , 3-50

X

- XMT01 communication format, A-1

- XMT01 serial format, A-4

- XMT02 communication format, A-1

- XMT02 serial format, A-6

Y

- ymds_time structure, 3-33

Z

ZDR

- 2-byte data format, 3-44

- ingest file format, 1-byte, 3-44