

Index

A

Antenna library, subdirectory, 1-1
AWS product transmission format, B-1
Axis of Dillitation, 2-byte data format, 3-35

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, 3-47
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, 3-49
data format, 3-1
 structure, 3-1
 tape, 3-53
 TIFF, 3-54
data type, constants, 3-55
data types, 3-35
DB_AXDIL2 constant, 3-56
DB_CDBZ constant, 3-55
DB_CDBZ2 constant, 3-55
DB_DEFORM2 constant, 3-56
DB_DIVERGE2 constant, 3-56
DB_FLIQUID2 constant, 3-56
DB_HDIR2 constant, 3-56
DB_HEIGHT constant, 3-55

DB_HVEL2 constant, 3-56
DB_OTHER constant, 3-56
DB_RAW constant, 3-56
DB_SHEAR constant, 3-56
DB_UDBZ constant, 3-55
DB_UDBZ2 constant, 3-55
DB_USER constant, 3-56
DB_VEL constant, 3-55
DB_VEL2 constant, 3-55
DB_VIL2 constant, 3-55
DB_VVEL2 constant, 3-56
DB_WIDTH constant, 3-55
DB_WIDTH2 constant, 3-55
DB_XHDR constant, 3-55
DB_ZDR constant, 3-55
DB_ZDR2 constant, 3-55
Deformation, data format, 3-36 , 3-44
Divergence, data format, 3-36
DSP library, subdirectory, 1-1
dsp_data_mask structure, 3-4

E

Echo Tops, data format, 3-37
extended_header format, ingest file, 3-35
extended_header_v0 structure, 3-4
 in ingest file data format, 3-35
extended_header_v1 structure, 3-4
 in ingest file data format, 3-35

F

FCAST product, file format, 3-47
fcast_psi_struct structure, 3-5
floating liquid format, ingest file, 2-byte,
 3-36

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, 3-37

I

Ingest file
 data format, 3-46
 naming convention, 3-46
ingest_configuration structure, 3-6
ingest_data_header structure, 3-7
ingest_header structure, 3-8

K

KDP, 2-byte data format, 3-38
KDP format, 3-37

L

LDR
 1-byte data format, 3-38
 2-byte data format, 3-39
legend, for user-generated products, 2-4
llwas_psi_struct structure, 3-29

M

Makefile, 1-5
max_psi_struct structure, 3-8

N

NDOP product, file format, 3-47
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, 3-39
 2-byte data format, 3-39
PHIdp
 1-byte data format, 3-39
 2-byte data format, 3-39
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, 3-47
 naming convention, 3-51
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, 3-50
 in TRACK product file, 3-50
 in WARN product file, 3-51

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, 3-40
RAW product, file format, 3-47
 example, 3-49
raw_prod_bhdr structure, 3-15
 in RAW product file, 3-48
 in RAW product ingest data file, 3-48
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, 3-35
 2-byte data format, 3-35
rhi_psi_struct structure, 3-16
Rho
 1-byte data format, 3-40
 2-byte data format, 3-40
RhoHV
 1-byte data format, 3-41
 2-byte data format, 3-41
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, 3-50
sline_psi_struct structure, 3-17
sline_results structure, 3-18
 in SLINE product file, 3-50
SQI
 1-byte data format, 3-41
 2-byte data format, 3-42
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, 3-53
tape_header_record structure, 3-23
 in tape format, 3-53
task_calib_info structure, 3-23
task_configuration structure, 3-24
task_dsp_info structure, 3-25
 in the RAW product file, 3-48
task_dsp_mode_batch structure, 3-26
task_end_info structure, 3-26
task_file_scan_info structure, 3-26
task_manual_scan_info structure, 3-26
task_misc_info structure, 3-27
task_ppi_scan_info structure, 3-27
task_range_info structure, 3-27
task_rhi_scan_info structure, 3-28
task_scan_info structure, 3-28
task_sched_info structure, 3-28
TDWR product, file format, 3-50
tdwr_results structure, 3-29
 in TDWR file format, 3-50
text_results structure, 3-29
TIFF
 fields used by IRIS, 3-54
 file format, 3-54
Time, 2-byte data format, 3-42
time packet, A-11
top_psi_struct structure, 3-30
TRACK product, file format, 3-50
track_psi_struct structure, 3-30
track_results structure, 3-30
 in track file format, 3-50
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, 3-42
- 1-byte unfolded format, 3-43
- 2-byte data format, 3-43
- 2-byte unfolded format, 3-43

vertical product type, 2-4

VIL, ingest file format, 2-byte, 3-43

vil_psi_struct structure, 3-31

Virtual TV library, subdirectory, 1-2

VVP product, file format, 3-51

vvp_psi_struct structure, 3-31

vvp_results structure, 3-31

- in VVP product file, 3-51

W

WARN product, file format, 3-51

warn_psi_struct structure, 3-32

warning_results structure, 3-32 , 3-51

Width

- 1-byte data format, 3-44

2-byte data format, 3-44

WIND product, file format, 3-51

Wind shear, data format, 3-41

wind_psi_struct structure, 3-33

wind_results structure, 3-33 , 3-51

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, 3-34

Z

ZDR

2-byte data format, 3-45

ingest file format, 1-byte, 3-45