Minified Polygon Grid File Specification (.min.pgrd)

File Header:

Position	Field	Туре	Value	Number	Byte Order
Byte 0	Bounding box	double	Minimum	1	Big
			latitude		
Byte 8	Bounding box	double	Minimum	1	Big
			longitude		
Byte 16	Bounding box	double	Maximum	1	Big
			latitude		
Byte 24	Bounding box	double	Maximum	1	Big
			longitude		
Byte 32	Interval	double	Latitude	1	Big
	between		interval		
	points				
Byte 40	Interval	double	Longitude	1	Big
	between		interval		
	points				
Byte 48	Latitude line	Int	Number of	1	Big
	count		equal latitude		
			lines		
Byte 52	Index	Int	Identifier type	1	Big
	identifier type		index (1 –		
			byte, 2 –		
			short)		
Byte 56 +	Start position	Int	Byte offset	lineCount	Big
lineIndex*4	of latitude line				

Line Header:

Position	Field	Туре	Value	Number	Byte Order
Byte 0	Line size	Int	Byte length	1	Big
			of line		
Byte 4	Part count	Int	Number	1	Big
			separate		
			parts		
Byte 8	Short	Int	Number	1	Big
	overflows		short		
	count		overflows		
Byte 12	Short	[Int, Short]	Segment	overflowCount	Big
+(overflowCount*6)	overflow		offset of		
			overflow,		
			overflow		
			index		
Byte 12	Part start	Int	Byte offset	partCount	Big
+(overflowCount*6)	position		of start part		
+ (partCount*4)			start		

Part Header:

Position	Field	Туре	Value	Number	Byte Order
0	startLongitude	Float	Longitude of first point in	1	Big
			part		
4	pointCount	Int	Number of	1	Big
			points in part		

Point Layout:

Position	Field	Туре	Value	Number	Byte Order
0	Segment index	Byte or short	Segment's associated index	1	Big
1 or 2	Segement length	Int	Segment length in number of points	1	Big