### Spotila, 2012: Data Repository

## **Methods**

Figure DR-1 (a-d) illustrates conceptually how divide elevation depends on the geometry of intersecting ridges. Ridgeline slope depends on both hillside gradient and the obliquity of opposing hillside trends. The simple relationship between ridgeline slope and hillside obliquity for varying hillside gradients (Fig. DR-1c) is based on the simplifying assumption of planar hillsides, although natural hillsides generally exhibit curvature in 3D. The height, shape, and dynamic evolution of ridgelines will also depend on the competition of relative advance of opposing hillsides (Fig. DR-1d).

In the global survey, groups of peaks worldwide were screened using *GoogleEarth*. Peaks were selected based on regional hierarchies (i.e. top highest peaks in a given area), such as the top 100 peaks in the world (Table 1). The peaks screened are listed in Table DR-1 (n=255), along with location coordinates. The locations span a range of erosional (glacial and fluvial), climatic (arid to humid), and tectonic (erosion and uplift rates) settings. Lists of top peaks in different areas were based on various websites, primarily including Wikipedia and PeakBagger:

http://en.wikipedia.org/wiki/List\_of\_highest\_mountains

http://www.peakbagger.com/ListIndx.aspx

Although these are un-refereed internet sources, all coordinates of peaks listed were checked and the elevation verified using *GoogleEarth*. Minor errors in these lists, such as missing peaks or specific values of prominence, cannot be completely ruled out. However, the intention of using these regional hierarchies was to eliminate bias in which peaks were selected for inspection in the global survey. All peaks in these lists were screened and included in Table DR-1, regardless of appearance, and all peaks in these lists are significant, prominent peaks in their respective areas. Note that peak prominence is defined as the height of a peak above the lowest contour that encircles it and nothing higher (Fig. DR-1e). Prominence is typically set at ~5-10% of the total local relief of a range (e.g. ~500 m in the high Himalaya; Table 1), such that many high peaks may not be included in the list because they are too close in elevation to a nearby higher peak. Figure DR-1f shows a comparison of a parabolic ridge with only one prominent peak relative to a ridge with lower saddles that yields many more prominent peaks. As an aside, the frequency of prominent peaks per area may actually be an interesting metric for comparison of mountain topography.

Peaks were screened using unexaggerated 3D visualization of digital topography (on a template combining satellite imagery) using *GoogleEarth* at a uniform scale of approximately 1:10,000. *GoogleEarth* uses a variety of elevation data, ranging from 10 m to 90 m resolution (SRTM data). In most mountain ranges examined, the resolution was 10 m or 30 m. Regardless of the DEM resolution, however, the *GoogleEarth* was adequate for identifying ridges shorter than ~0.5 km at all locations at 1:10,000 scale. Spatial variation in DEM resolution should thus not affect the results of the global survey. Peaks located within 0.2 km of divide intersections were classified as dividejunction peaks (Fig. DR-2). The contributing divides had to be a minimum of ~0.5 km long and separate tributary valleys by at least 1 km. This threshold was designed to include divides that separate first-order drainages, but to exclude minor rill-like crenulations along hillsides within individual basins. An additional criteria was that divide-junction peaks had to appear with three (or more) hillside faces that clearly drain into separate basins with clear concave contours. Examples of peaks that were classified as ridge-only (vs. divide-junction) based on this criteria are shown in Fig. DR-3.

Most divide-junction peaks consist of divide triple junctions, although a significant fraction of quadruple junctions also occur (Table DR-1). The minimum lengths of contributing divides were measured in map view for each location (Table DR-1). Since the goal of the survey was to identify peaks that have at least three intersecting divides, the third-shortest contributing divide was measured for all divide junctions (i.e. not the absolute minimum on quadruple junctions). The distribution of these third-shortest divide lengths shows that 3/4 of the divide-junction peaks are made by divides that exceed 3 km length (Fig. 2). Where the shortest-contributing divide length exceeds 5-10 km, length measurements may be ambiguous due to the possibility of taking multiple paths off of the divide network (Figure DR-1g).

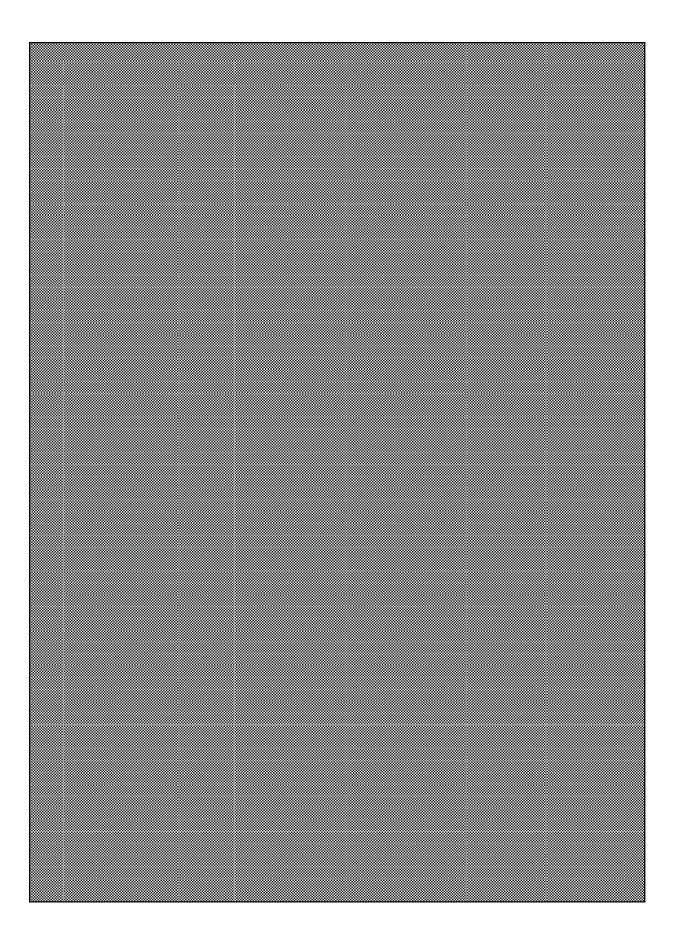
The relationship between peak and divide-junction locations was also tested at the local scale. Ten primarily glacial and fluvial areas of rugged topography were selected for examination of drainage divide structure in map and/or profile view (Table DR-2; Fig. DR-4, DR-5). Note that some of the glacial areas are now deglaciated, but exhibit topography that is characteristically glacial. Similarly, the highest elevations of some of the fluvial areas may have experienced minor glacial or periglacial influence during the last glacial maximum (e.g. the Atlas Mountains), but the topography of these ranges is dominantly fluvial. The areas mapped exclude volcanic terrain, low-relief areas, and high-relief areas that exhibit interfluves with relict surfaces. Sources for the long-term denudation rates reported for these areas are provided in Table DR-2. Results of profile and map-view analysis are presented in Tables DR-3 and DR-4.

Divide maps were constructed using shaded relief images from *GoogleMaps*. All maps were shaded from the northwest and mapped at 1:200,000 scale on a graphical interface. Divides were easy to identify using this interface, given that side illumination highlights most ridges as white lines. Given that ridges and divides exhibit semi-fractal distributions and that the resolution of DEMs may vary by location, a mapping threshold of minimum ridge size was employed; only divides >5 km long and separated by >3 km (i.e. valley spacing) were mapped. Mapped ridges also had to have significant relief from hillsides and separate clearly-developed basins with curved contours. This criteria made mapping of ridges somewhat subjective, but was used to screen out topographic crenulations along individual hillsides that do not separate first or higher order basins. Divide junctions were mapped for each area based on the mapped ridge networks. Where two triple junctions came within  $\sim 1$  km of each other, they were combined into a quadruple junction. Various statistics of the occurrence of divide junctions and total divide length per mapped area are reported in Table DR-4. When counting divide junctions in each area, quadruple junctions were counted twice (given that each is equivalent to 2 triple junctions joined together).

Five glacial and fluvial areas were selected for ridge profile analysis (Table DR-3, Fig. DR-5). Ridge profiles were constructed using *GoogleEarth* in the same geographic interface as the global peak survey, but at a uniform scale of ~1:20,000. Elevations were sampled at approximately 1-km spacing, so that only significant peaks and undulations are represented. This spacing was selected to reduce data volume, given that the profiles would eventually be analyzed at small scale only. The elevations of all divide junctions were also directly sampled. Ridge profiles follow the irregular trace of ridges in map

view and include all ridges in a connected ridge network using the criteria listed above for ridge maps. Profiles generally cover 80-km-long primary ridges, and thus do not cover the entire area of each map. In some cases, profiles stop abruptly mid-ridge, because a profile was stopped after a representative length had been obtained. Secondary ridges are plotted as extending in either the positive or negative x-direction depending on the orientation of the primary ridge and the side from which the secondary ridge joins (Fig. DR-5). Several ridge profiles were constructed using 1:250,000 topographic maps (Chugach, St. Elias, Smoky Mtns., San Gabriel Mountains), but corrected for the same pattern of ridges as the *GoogleEarth* profiles. Once completed, divide junctions were identified and compared to peak locations. The divide junctions on profiles are identical to those on the maps of the same area, given that they share defining criteria. Peaks were defined as any positive relief form, regardless of prominence. The slope of primary ridges was calculated between each elevation spacing and thus has a wavelength of 1 km and may miss slight undulations. The topographic roughness was measured in two ways;  $\Psi_1$ is the horizontal ridge length divided by the total ridge length in profile (i.e. akin to sinuosity, but measured in profile at 8x exaggeration), and  $\Psi_2$  is the normalized distance of the ridge profile over which 50% of the profile's relief is obtained.

This study was made possible by the easily-used geographic tools provided by *Google*. GoogleEarth and GoogleMaps enable instant access to global topography, without having to download and process numerous individual patches of DEMs. Although the association of peaks and ridge junctions has previously been observed Gilbert, 1880; Twidale, 1976; Gonzalez, 2003), recognition of the influence of drainage divide structure on peaks required the advent of easily accessible digital topography.



69	Skil Brum	7410	Karakoram	35.8508 N, 76.4286 E		quad.
70	Haramosh	7409	Karakoram	35.8400 N, 74.8975 E	10.9	triple
71	Istor-o-Nal	7403	Hindu Kush	36.3756 N, 71.8983 E	2.1	triple, nested
72	Ghent Kangri	7401	Karakoram	35.5178 N, 76.8006 E		triple
	Ultar Sar	7388	Karakoram	36.3908 N, 74.7167 E		triple
	Rimo I	7385	Karakoram	35.3550 N, 77.3689 E		triple
	Churen Himal	7385	Himalaya	28.7347 N, 83.2175 E		triple
	Teram Kangri III	7382	Karakoram	35.5997 N, 77.0481 E		quad.
	Sherpi Kangri	7380	Karakoram	35.4661 N, 76.7814 E		triple
78	Labuche Kang	7367	Himalaya	28.3042 N, 86.3508 E	9.2	triple
79	Kirat Chuli	7362	Himalaya	27.7878 N, 88.1953 E	3.9	triple
80	Abi Gamin	7355	Himalaya	30.9325 N, 79.6025 E	11.9	quad.
	Nangpai Gosum	7350	Himalaya	28.0733 N, 86.6142 E		triple
	Saraghrar	7349	Hindu Kush	36.5475 N, 72.1150 E		triple, nested
	Chamlang	7321	1	27.7750 N, 86.9797 E		triple
			Himalaya			
	Chongtar	7315	Karakoram	35.9153 N, 76.4292 E		quad., nested
	Baltoro Kangri	7312	Karakoram	35.6392 N, 76.6733 E	2	triple
86	Siguang Ri	7309	Himalaya	28.1472 N, 86.6850 E		triple
87	The Crown	7295	Karakoram	36.1067 N, 76.2058 E	1.2	quad. (cone)
88	Gyala Peri	7294	Himalaya	29.8144 N, 94.9686 E		triple
	Porong Ri	7292	Himalaya	28.3894 N, 85.7200 E		ridge only
	Baintha Brakk	7285	Karakoram	35.9475 N, 75.7533 E	<u>}</u>	ridge only
	Yutmaru Sar	7283			}	triple
	(		Karakoram	36.2264 N, 75.3672 E		
	Baltistan Peak (K6)	7282	Karakoram	35.4183 N, 76.5517 E	23.7	triple
	Kangpenqing	7281	Himalaya	28.5508 N, 85.5456 E	}	ridge only
	Muztagh Tower	7276	Karakoram	35.8278 N, 76.3611 E	}	ridge only
95	Diran	7266	Karakoram	36.1203 N, 74.6617 E	20.4	quad.
	Labuche Kang III	7250	Himalaya	28.3014 N, 86.3839 E		triple
	Putha Hiunchuli	7246	Himalaya	28.7478 N, 83.1461 E		quad.
	Apsarasas Kangri	7245	Karakoram	35.5386 N, 77.1486 E		triple
	Rimo III	7245	Karakoram	35.3753 N, 77.3617 E	כ.+ רי	triple
100	Langtan Lirung	7227	Himalaya	28.2561 N, 85.5169 E	5.1	triple
	idge-only peaks = 10.	Triple/qua	d peaks = 90%		}	
	idge-only peaks = 10.	Triple/qua	d peaks = 90%			
# of ri						
# of ri				inence), all of which are	or have been g	laciated.
# of ri <u>GROU</u>		in North Ai	merica (500 m prom	<i>inence), all of which are</i> Location		
# of ri <u>GROU</u> <u>Rank</u>	P 2: 50 highest peaks Name	<i>in North Ai</i> Elev. (m)	merica (500 m prom Region	Location	Shortest Ridge	Peak type
# of ri <u>GROU</u> <u>Rank</u> 1	P 2: 50 highest peaks Name Mt. McKinley	<i>in North Aı</i> <u>Elev. (m)</u> 6194	merica (500 m prom Region Alaska Range	Location 63.0690 N, 151.0063 W	Shortest Ridge 19.1	<b>Peak type</b> triple
# of ri <u>GROU</u> <u>Rank</u> 1 2	P 2: 50 highest peaks Name Mt. McKinley Mt. Logan	<i>in North Aı</i> Elev. (m) 6194 5956	merica (500 m prom Region Alaska Range St. Elias Range	Location 63.0690 N, 151.0063 W 60.5666 N, 140.4072 W	Shortest Ridge 19.1	<b>Peak type</b> triple triple
# of ri <u>GROU</u> <u>Rank</u> 1 2 3	P 2: 50 highest peaks Name Mt. McKinley Mt. Logan Citlaltepetl	<i>in North Ai</i> <u>Elev. (m)</u> 6194 5956 5635	merica (500 m prom Region Alaska Range St. Elias Range Mexico	Location 63.0690 N, 151.0063 W 60.5666 N, 140.4072 W 19.0305 N, 97.2698 W	Shortest Ridge 19.1 11.2	<b>Peak type</b> triple triple volcano
# of ri <u>GROU</u> <u>Rank</u> 1 2 3 4	P 2: 50 highest peaks Name Mt. McKinley Mt. Logan Citlaltepetl Mt. St. Elias	<i>in North A</i> Elev. (m) 6194 5956 5635 5489	merica (500 m prom Region Alaska Range St. Elias Range Mexico St. Elias Range	Location 63.0690 N, 151.0063 W 60.5666 N, 140.4072 W 19.0305 N, 97.2698 W 60.2927 N, 140.9307 W	Shortest Ridge 19.1 11.2	Peak type triple triple volcano quad.
# of ri <u>GROU</u> <u>Rank</u> 1 2 3 4 5	P 2: 50 highest peaks Name Mt. McKinley Mt. Logan Citlaltepetl Mt. St. Elias Pococatepetl	<i>in North A</i> Elev. (m) 6194 5956 5635 5489 5410	merica (500 m prom Region Alaska Range St. Elias Range Mexico St. Elias Range Mexico	Location 63.0690 N, 151.0063 W 60.5666 N, 140.4072 W 19.0305 N, 97.2698 W 60.2927 N, 140.9307 W 19.0225 N, 98.6278 W	Shortest Ridge 19.1 11.2 17.4	Peak type triple triple volcano quad. volcano
# of ri <u>GROU</u> <u>Rank</u> 1 2 3 4 5 6	P 2: 50 highest peaks Name Mt. McKinley Mt. Logan Citlaltepetl Mt. St. Elias Pococatepetl Mt. Foraker	in North Ai Elev. (m) 6194 5956 5635 5489 5410 5304	merica (500 m prom Region Alaska Range St. Elias Range Mexico St. Elias Range Mexico Alaska Range	Location 63.0690 N, 151.0063 W 60.5666 N, 140.4072 W 19.0305 N, 97.2698 W 60.2927 N, 140.9307 W 19.0225 N, 98.6278 W 62.9605 N, 151.3992 W	<u>Shortest Ridge</u> 19.1 11.2 17.4 14.8	Peak type triple triple volcano quad. volcano quad.
# of ri <u>GROU</u> <u>Rank</u> 1 2 3 4 5 6	P 2: 50 highest peaks Name Mt. McKinley Mt. Logan Citlaltepetl Mt. St. Elias Pococatepetl	<i>in North A</i> Elev. (m) 6194 5956 5635 5489 5410	merica (500 m prom Region Alaska Range St. Elias Range Mexico St. Elias Range Mexico	Location 63.0690 N, 151.0063 W 60.5666 N, 140.4072 W 19.0305 N, 97.2698 W 60.2927 N, 140.9307 W 19.0225 N, 98.6278 W	<u>Shortest Ridge</u> 19.1 11.2 17.4 14.8	Peak type triple triple volcano quad. volcano
# of ri <u>GROU</u> <u>Rank</u> 1 2 3 4 5 6 7	P 2: 50 highest peaks Name Mt. McKinley Mt. Logan Citlaltepetl Mt. St. Elias Pococatepetl Mt. Foraker	in North Ai Elev. (m) 6194 5956 5635 5489 5410 5304	merica (500 m prom Region Alaska Range St. Elias Range Mexico St. Elias Range Mexico Alaska Range	Location 63.0690 N, 151.0063 W 60.5666 N, 140.4072 W 19.0305 N, 97.2698 W 60.2927 N, 140.9307 W 19.0225 N, 98.6278 W 62.9605 N, 151.3992 W	Shortest Ridge 19.1 11.2 17.4 14.8 10.5	Peak type triple triple volcano quad. volcano quad. triple volcano
# of r GROU Rank 1 2 3 4 5 6 7 8	P 2: 50 highest peaks Name Mt. McKinley Mt. Logan Citlaltepetl Mt. St. Elias Pococatepetl Mt. Foraker Mt. Foraker Mt. Lucania	in North Ai Elev. (m) 6194 5956 5635 5489 5410 5304 5260	merica (500 m prom Region Alaska Range St. Elias Range Mexico St. Elias Range Mexico Alaska Range St. Elias Range	Location 63.0690 N, 151.0063 W 60.5666 N, 140.4072 W 19.0305 N, 97.2698 W 60.2927 N, 140.9307 W 19.0225 N, 98.6278 W 62.9605 N, 151.3992 W 61.0215 N, 140.4661 W	Shortest Ridge 19.1 11.2 17.4 14.8 10.5	Peak type triple triple volcano quad. volcano quad. triple volcano
# of ri <u>GROU</u> <u>Rank</u> 1 2 3 4 5 6 7 8 9	P 2: 50 highest peaks Name Mt. McKinley Mt. Logan Citlaltepetl Mt. St. Elias Pococatepetl Mt. Foraker Mt. Foraker Mt. Lucania Iztaccihuatl King Peak	<i>in North Ai</i> <u>Elev. (m)</u> 6194 5956 5635 5489 5410 5304 5260 5230 5173	merica (500 m prom Region Alaska Range St. Elias Range Mexico St. Elias Range Mexico Alaska Range St. Elias Range Mexico St. Elias Range	Location 63.0690 N, 151.0063 W 60.5666 N, 140.4072 W 19.0305 N, 97.2698 W 60.2927 N, 140.9307 W 19.0225 N, 98.6278 W 62.9605 N, 151.3992 W 61.0215 N, 140.4661 W 19.1792 N, 98.6419 W 60.5834 N, 140.6561 W	Shortest Ridge 19.1 11.2 17.4 14.8 10.5 8.8	Peak type triple triple volcano quad. volcano quad. triple volcano triple
# of ri <u>GROU</u> <u>Rank</u> 1 2 3 4 5 6 7 8 9 10	P 2: 50 highest peaks Name Mt. McKinley Mt. Logan Citlaltepetl Mt. St. Elias Pococatepetl Mt. Foraker Mt. Lucania Iztaccihuatl King Peak Mt. Bona	<i>in North Ai</i> Elev. (m) 6194 5956 5635 5489 5410 5304 5260 5230 5173 5044	merica (500 m prom Region Alaska Range St. Elias Range Mexico St. Elias Range Mexico St. Elias Range Mexico St. Elias Range St. Elias Range St. Elias Range	Location 63.0690 N, 151.0063 W 60.5666 N, 140.4072 W 19.0305 N, 97.2698 W 60.2927 N, 140.9307 W 19.0225 N, 98.6278 W 62.9605 N, 151.3992 W 61.0215 N, 140.4661 W 19.1792 N, 98.6419 W 60.5834 N, 140.6561 W 61.3845 N, 141.7529 W	Shortest Ridge 19.1 11.2 17.4 14.8 10.5 8.8 32.9	Peak type triple triple volcano quad. volcano quad. triple volcano triple triple
# of ri GROU Rank 1 2 3 4 5 6 7 8 9 10 11	P 2: 50 highest peaks Name Mt. McKinley Mt. Logan Citlaltepetl Mt. St. Elias Pococatepetl Mt. Foraker Mt. Lucania Iztaccihuatl King Peak Mt. Bona Mt. Steele	<i>in North Ai</i> Elev. (m) 5956 5635 5489 5410 5304 5230 5173 5044 5020	merica (500 m prom Region Alaska Range St. Elias Range Mexico St. Elias Range Mexico Alaska Range St. Elias Range Mexico St. Elias Range St. Elias Range St. Elias Range St. Elias Range	Location 63.0690 N, 151.0063 W 60.5666 N, 140.4072 W 19.0305 N, 97.2698 W 60.2927 N, 140.9307 W 19.0225 N, 98.6278 W 62.9605 N, 151.3992 W 61.0215 N, 140.4661 W 19.1792 N, 98.6419 W 60.5834 N, 140.6561 W 61.3845 N, 141.7529 W 61.0929 N, 140.3118 W	Shortest Ridge 19.1 11.2 17.4 14.8 10.5 8.8 32.9 15.4	Peak type triple triple volcano quad. volcano quad. triple volcano triple triple triple quad.
# of ri <u>GROU</u> <u>Rank</u> 1 2 3 4 5 6 7 8 9 100 111 12	P 2: 50 highest peaks Name Mt. McKinley Mt. Logan Citlaltepetl Mt. St. Elias Pococatepetl Mt. Foraker Mt. Lucania Iztaccihuatl King Peak Mt. Bona Mt. Steele Mt. Blackburn	<i>in North Au</i> Elev. (m) 6194 5956 5635 5489 5410 5304 5260 5230 5173 5044 5020 4996	merica (500 m prom Region Alaska Range St. Elias Range Mexico St. Elias Range Mexico Alaska Range St. Elias Range Mexico St. Elias Range St. Elias Range St. Elias Range St. Elias Range St. Elias Range	Location 63.0690 N, 151.0063 W 60.5666 N, 140.4072 W 19.0305 N, 97.2698 W 60.2927 N, 140.9307 W 19.0225 N, 98.6278 W 62.9605 N, 151.3992 W 61.0215 N, 140.4661 W 19.1792 N, 98.6419 W 60.5834 N, 140.6561 W 61.3845 N, 141.7529 W 61.0929 N, 140.3118 W 61.7305 N, 143.4031 W	Shortest Ridge 19.1 11.2 17.4 14.8 10.5 8.8 32.9 15.4 11.7	Peak type triple triple volcano quad. volcano quad. triple volcano triple triple quad. volcano (eroded)
# of ri GROU Rank 1 2 3 4 5 6 7 8 9 10 0 11 12 13	P 2: 50 highest peaks Name Mt. McKinley Mt. Logan Citlaltepetl Mt. St. Elias Pococatepetl Mt. Foraker Mt. Lucania Iztaccihuatl King Peak Mt. Bona Mt. Steele Mt. Blackburn Mt. Sanford	in North Au Elev. (m) 6194 5956 5635 5489 5410 5304 5260 5230 5173 5044 5020 4996 4949	merica (500 m prom Region Alaska Range St. Elias Range Mexico St. Elias Range Mexico Alaska Range St. Elias Range Mexico St. Elias Range St. Elias Range St. Elias Range St. Elias Range Wrangell Mtns.	Location 63.0690 N, 151.0063 W 60.5666 N, 140.4072 W 19.0305 N, 97.2698 W 60.2927 N, 140.9307 W 19.0225 N, 98.6278 W 62.9605 N, 151.3992 W 61.0215 N, 140.4661 W 19.1792 N, 98.6419 W 60.5834 N, 140.6561 W 61.3845 N, 141.7529 W 61.0929 N, 140.3118 W 61.7305 N, 143.4031 W 62.2132 N, 144.1292 W	Shortest Ridge 19.1 11.2 17.4 14.8 10.5 8.8 32.9 15.4 11.7	Peak type triple triple volcano quad. volcano quad. triple volcano triple triple quad. volcano triple volcano triple volcano volcano triple volcano triple
# of ri GROU Rank 1 2 3 4 5 6 7 8 9 10 11 12 13 14	P 2: 50 highest peaks Name Mt. McKinley Mt. Logan Citlaltepetl Mt. St. Elias Pococatepetl Mt. Foraker Mt. Foraker Mt. Lucania Iztaccihuatl King Peak Mt. Bona Mt. Steele Mt. Blackburn Mt. Sanford Mt. Wood	in North Ai Elev. (m) 6194 5956 5635 5489 5410 5304 5260 5230 5173 5044 5020 4996 4949 4860	merica (500 m prom Region Alaska Range St. Elias Range Mexico St. Elias Range Mexico Alaska Range St. Elias Range St. Elias Range St. Elias Range St. Elias Range St. Elias Range Wrangell Mtns. Wrangell Mtns.	Location 63.0690 N, 151.0063 W 60.5666 N, 140.4072 W 19.0305 N, 97.2698 W 60.2927 N, 140.9307 W 19.0225 N, 98.6278 W 62.9605 N, 151.3992 W 61.0215 N, 140.4661 W 19.1792 N, 98.6419 W 60.5834 N, 140.6561 W 61.3845 N, 141.7529 W 61.0929 N, 140.3118 W 61.7305 N, 143.4031 W 62.2132 N, 144.1292 W 61.2323 N, 140.5139 W	Shortest Ridge 19.1 11.2 17.4 14.8 10.5 8.8 32.9 15.4 11.7 7.9	Peak type triple triple volcano quad. volcano quad. triple volcano triple triple quad. volcano (eroded) volcano triple
# of ri GROU Rank 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	P 2: 50 highest peaks Name Mt. McKinley Mt. Logan Citlaltepetl Mt. St. Elias Pococatepetl Mt. Foraker Mt. Lucania Iztaccihuatl King Peak Mt. Bona Mt. Steele Mt. Blackburn Mt. Sanford Mt. Wood Mt. Vancouver	in North Ai Elev. (m) 6194 5956 5635 5489 5410 5304 5260 5230 5173 5044 5020 4996 4949 4860 4812	merica (500 m prom Region Alaska Range St. Elias Range Mexico St. Elias Range Mexico Alaska Range St. Elias Range Mexico St. Elias Range St. Elias Range St. Elias Range Wrangell Mtns. Wrangell Mtns. St. Elias Range St. Elias Range St. Elias Range	Location 63.0690 N, 151.0063 W 60.5666 N, 140.4072 W 19.0305 N, 97.2698 W 60.2927 N, 140.9307 W 19.0225 N, 98.6278 W 62.9605 N, 151.3992 W 61.0215 N, 140.4661 W 19.1792 N, 98.6419 W 60.5834 N, 140.6561 W 61.3845 N, 141.7529 W 61.0929 N, 140.3118 W 61.7305 N, 143.4031 W 62.2132 N, 144.1292 W 61.2323 N, 140.5139 W 60.3589 N, 139.6980 W	Shortest Ridge 19.1 11.2 17.4 14.8 10.5 8.8 32.9 15.4 11.7 7.9 9.0	Peak type triple triple volcano quad. volcano quad. triple volcano triple quad. volcano (eroded) volcano triple triple triple triple triple triple triple triple triple triple triple
# of ri GROU Rank 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	P 2: 50 highest peaks Name Mt. McKinley Mt. Logan Citlaltepetl Mt. St. Elias Pococatepetl Mt. Foraker Mt. Foraker Mt. Lucania Iztaccihuatl King Peak Mt. Bona Mt. Steele Mt. Blackburn Mt. Sanford Mt. Wood	in North Ai Elev. (m) 6194 5956 5635 5489 5410 5304 5260 5230 5173 5044 5020 4996 4949 4860	merica (500 m prom Region Alaska Range St. Elias Range Mexico St. Elias Range Mexico Alaska Range St. Elias Range St. Elias Range St. Elias Range St. Elias Range St. Elias Range Wrangell Mtns. Wrangell Mtns.	Location 63.0690 N, 151.0063 W 60.5666 N, 140.4072 W 19.0305 N, 97.2698 W 60.2927 N, 140.9307 W 19.0225 N, 98.6278 W 62.9605 N, 151.3992 W 61.0215 N, 140.4661 W 19.1792 N, 98.6419 W 60.5834 N, 140.6561 W 61.3845 N, 141.7529 W 61.0929 N, 140.3118 W 61.7305 N, 143.4031 W 62.2132 N, 144.1292 W 61.2323 N, 140.5139 W	Shortest Ridge 19.1 11.2 17.4 14.8 10.5 8.8 32.9 15.4 11.7 7.9 9.0	Peak type triple triple volcano quad. volcano quad. triple volcano triple triple quad. volcano (eroded) volcano triple triple triple triple triple triple
# of ri GROU Rank 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	P 2: 50 highest peaks Name Mt. McKinley Mt. Logan Citlaltepetl Mt. St. Elias Pococatepetl Mt. Foraker Mt. Foraker Mt. Lucania Iztaccihuatl King Peak Mt. Bona Mt. Steele Mt. Blackburn Mt. Sanford Mt. Sanford Mt. Vancouver Mt. Slaggard Nevado de Toluca	in North Ai Elev. (m) 6194 5956 5635 5489 5410 5304 5260 5230 5173 5044 5020 4996 4949 4860 4812	merica (500 m prom Region Alaska Range St. Elias Range Mexico St. Elias Range Mexico Alaska Range St. Elias Range Mexico St. Elias Range St. Elias Range St. Elias Range Wrangell Mtns. Wrangell Mtns. St. Elias Range St. Elias Range St. Elias Range	Location 63.0690 N, 151.0063 W 60.5666 N, 140.4072 W 19.0305 N, 97.2698 W 60.2927 N, 140.9307 W 19.0225 N, 98.6278 W 62.9605 N, 151.3992 W 61.0215 N, 140.4661 W 19.1792 N, 98.6419 W 60.5834 N, 140.6561 W 61.3845 N, 141.7529 W 61.0929 N, 140.3118 W 61.7305 N, 143.4031 W 62.2132 N, 144.1292 W 61.2323 N, 140.5139 W 60.3589 N, 139.6980 W	Shortest Ridge 19.1 11.2 17.4 14.8 10.5 8.8 32.9 15.4 11.7 7.9 9.0	Peak type triple triple volcano quad. volcano quad. triple volcano triple quad. volcano (eroded) volcano triple triple triple triple triple triple triple triple triple triple triple
# of ri GROU Rank 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	P 2: 50 highest peaks Name Mt. McKinley Mt. Logan Citlaltepetl Mt. St. Elias Pococatepetl Mt. Foraker Mt. Foraker Mt. Lucania Iztaccihuatl King Peak Mt. Bona Mt. Steele Mt. Blackburn Mt. Sanford Mt. Sanford Mt. Vancouver Mt. Slaggard Nevado de Toluca	in North Ai Elev. (m) 6194 5956 5635 5489 5410 5304 5260 5230 5173 5044 5020 4996 4949 4860 4812 4742	merica (500 m prom Region Alaska Range St. Elias Range Mexico St. Elias Range Mexico St. Elias Range St. Elias Range St. Elias Range St. Elias Range St. Elias Range Wrangell Mtns. Wrangell Mtns. St. Elias Range St. Elias Range St. Elias Range St. Elias Range St. Elias Range	Location 63.0690 N, 151.0063 W 60.5666 N, 140.4072 W 19.0305 N, 97.2698 W 60.2927 N, 140.9307 W 19.0225 N, 98.6278 W 62.9605 N, 151.3992 W 61.0215 N, 140.4661 W 19.1792 N, 98.6419 W 60.5834 N, 140.6561 W 61.3845 N, 141.7529 W 61.0929 N, 140.3118 W 61.7305 N, 143.4031 W 62.2132 N, 144.1292 W 61.2323 N, 140.5139 W 60.3589 N, 139.6980 W 61.1723 N, 140.5869 W	Shortest Ridge 19.1 11.2 17.4 14.8 10.5 8.8 32.9 15.4 11.7 7.9 9.0 22.4	Peak type triple triple volcano quad. volcano quad. triple volcano triple triple quad. volcano (eroded) volcano triple triple triple triple triple triple triple triple triple triple triple triple
# of ri GROU Rank 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	P 2: 50 highest peaks Name Mt. McKinley Mt. Logan Citlaltepetl Mt. St. Elias Pococatepetl Mt. Foraker Mt. Foraker Mt. Lucania Iztaccihuatl King Peak Mt. Bona Mt. Steele Mt. Blackburn Mt. Sanford Mt. Sanford Mt. Vancouver Mt. Slaggard Nevado de Toluca Mt. Fairweather	<i>in North Ai</i> Elev. (m) 6194 5956 5635 5489 5410 5304 5230 5173 5044 5020 4996 4949 4949 4812 4742 4690 4671	merica (500 m prom Region Alaska Range St. Elias Range Mexico St. Elias Range Mexico Alaska Range St. Elias Range St. Elias Range St. Elias Range St. Elias Range Wrangell Mtns. Wrangell Mtns. St. Elias Range St. Elias Range St. Elias Range St. Elias Range St. Elias Range St. Elias Range St. Elias Range	Location 63.0690 N, 151.0063 W 60.5666 N, 140.4072 W 19.0305 N, 97.2698 W 60.2927 N, 140.9307 W 19.0225 N, 98.6278 W 62.9605 N, 151.3992 W 61.0215 N, 140.4661 W 19.1792 N, 98.6419 W 60.5834 N, 140.6561 W 61.3845 N, 141.7529 W 61.0929 N, 140.3118 W 61.7305 N, 143.4031 W 62.2132 N, 144.1292 W 61.2323 N, 140.5139 W 60.3589 N, 139.6980 W 61.1723 N, 140.5869 W 19.1020 N, 99.7676 W 58.9064 N, 137.5265 W	Shortest Ridge 19.1 11.2 17.4 14.8 10.5 8.8 32.9 15.4 11.7 7.9 9.0 22.4 13.5	Peak type triple triple volcano quad. volcano quad. triple volcano triple triple quad. volcano (eroded) volcano triple triple triple triple triple volcano triple triple triple triple triple triple triple triple triple triple triple triple triple
# of ri GROU Rank 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	P 2: 50 highest peaks Name Mt. McKinley Mt. Logan Citlaltepetl Mt. St. Elias Pococatepetl Mt. Foraker Mt. Foraker Mt. Lucania Iztaccihuatl King Peak Mt. Bona Mt. Steele Mt. Blackburn Mt. Sanford Mt. Sanford Mt. Vancouver Mt. Slaggard Nevado de Toluca Mt. Fairweather Mt. Hubbard	<i>in North Ai</i> Elev. (m) 6194 5956 5635 5489 5410 5304 5230 5173 5044 5020 4996 4949 4860 4949 4860 4812 4742 4690 4671 4557	merica (500 m prom Region Alaska Range St. Elias Range Mexico St. Elias Range Mexico Alaska Range St. Elias Range Mexico St. Elias Range St. Elias Range Wrangell Mtns. Wrangell Mtns. St. Elias Range St. Elias Range	Location 63.0690 N, 151.0063 W 60.5666 N, 140.4072 W 19.0305 N, 97.2698 W 60.2927 N, 140.9307 W 19.0225 N, 98.6278 W 62.9605 N, 151.3992 W 61.0215 N, 140.4661 W 19.1792 N, 98.6419 W 60.5834 N, 140.6561 W 61.3845 N, 141.7529 W 61.0929 N, 140.3118 W 61.7305 N, 143.4031 W 62.2132 N, 144.1292 W 61.2323 N, 140.5139 W 60.3589 N, 139.6980 W 19.1020 N, 99.7676 W 58.9064 N, 137.5265 W 60.3189 N, 139.0719 W	Shortest Ridge 19.1 11.2 17.4 14.8 10.5 8.8 32.9 15.4 11.7 7.9 9.0 22.4 13.5 6.6	Peak type triple triple volcano quad. volcano quad. triple volcano triple triple quad. volcano (eroded) volcano triple triple triple triple triple triple triple triple triple triple triple triple triple triple
# of ri <u>GROU</u> <u>Rank</u> 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 17 18 19 20	P 2: 50 highest peaks Name Mt. McKinley Mt. Logan Citlaltepetl Mt. St. Elias Pococatepetl Mt. Foraker Mt. Foraker Mt. Lucania Iztaccihuatl King Peak Mt. Bona Mt. Steele Mt. Blackburn Mt. Steele Mt. Blackburn Mt. Sanford Mt. Vancouver Mt. Slaggard Nevado de Toluca Mt. Fairweather Mt. Hubbard Mt. Bear	<i>in North Ai</i> Elev. (m) 6194 5956 5635 5489 5410 5304 5260 5230 5173 5044 5020 4996 4949 4860 4812 4742 4690 4671 4557 4520	merica (500 m prom Region Alaska Range St. Elias Range Mexico St. Elias Range Mexico Alaska Range St. Elias Range	Location 63.0690 N, 151.0063 W 60.5666 N, 140.4072 W 19.0305 N, 97.2698 W 60.2927 N, 140.9307 W 19.0225 N, 98.6278 W 62.9605 N, 151.3992 W 61.0215 N, 140.4661 W 19.1792 N, 98.6419 W 60.5834 N, 140.4661 W 61.3845 N, 141.7529 W 61.0929 N, 140.3118 W 61.7305 N, 143.4031 W 62.2132 N, 144.1292 W 61.2323 N, 140.5139 W 60.3589 N, 139.6980 W 61.1723 N, 140.5869 W 19.1020 N, 99.7676 W 58.9064 N, 137.5265 W 60.3189 N, 139.0719 W 61.2834 N, 141.1433 W	Shortest Ridge 19.1 11.2 17.4 14.8 10.5 8.8 32.9 15.4 11.7 7.9 9.0 22.4 13.5 6.6 7.4	Peak type triple triple volcano quad. volcano quad. triple volcano triple triple quad. volcano (eroded) volcano triple triple triple triple triple triple triple triple triple triple triple triple triple triple triple
# of ri GROU Rank 1 2 3 4 5 6 7 8 9 100 111 122 133 144 155 166 177 188 19 200 21	P 2: 50 highest peaks Name Mt. McKinley Mt. Logan Citlaltepetl Mt. St. Elias Pococatepetl Mt. Foraker Mt. Foraker Mt. Lucania Iztaccihuatl King Peak Mt. Bona Mt. Steele Mt. Blackburn Mt. Steele Mt. Blackburn Mt. Sanford Mt. Vancouver Mt. Slaggard Nevado de Toluca Mt. Fairweather Mt. Hubbard Mt. Bear Mt. Walsh	in North Ai Elev. (m) 6194 5956 5635 5489 5410 5304 5260 5230 5173 5044 5020 4996 4949 4860 4812 4742 4690 4671 4557 4520 4506	merica (500 m prom Region Alaska Range St. Elias Range Mexico St. Elias Range Mexico Alaska Range St. Elias Range Mexico St. Elias Range St. Elias Range	Location 63.0690 N, 151.0063 W 60.5666 N, 140.4072 W 19.0305 N, 97.2698 W 60.2927 N, 140.9307 W 19.0225 N, 98.6278 W 62.9605 N, 151.3992 W 61.0215 N, 140.4661 W 19.1792 N, 98.6419 W 60.5834 N, 140.6561 W 61.3845 N, 141.7529 W 61.0929 N, 140.3118 W 61.7305 N, 143.4031 W 62.2132 N, 144.1292 W 61.2323 N, 140.5139 W 60.3589 N, 139.6980 W 61.1723 N, 140.5869 W 19.1020 N, 99.7676 W 58.9064 N, 137.5265 W 60.3189 N, 139.0719 W 61.2834 N, 141.1433 W 61.0034 N, 140.0172 W	Shortest Ridge 19.1 11.2 17.4 14.8 10.5 8.8 32.9 15.4 11.7 7.9 9.0 22.4 13.5 6.6 7.4 3.2	Peak type triple triple volcano quad. volcano quad. triple volcano triple triple quad. volcano (eroded) volcano triple triple triple triple triple triple triple triple triple triple triple triple triple triple triple triple triple triple triple
# of ri GROU Rank 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 20 21 22	P 2: 50 highest peaks Name Mt. McKinley Mt. Logan Citlaltepetl Mt. St. Elias Pococatepetl Mt. Foraker Mt. Lucania Iztaccihuatl King Peak Mt. Bona Mt. Steele Mt. Blackburn Mt. Sanford Mt. Sanford Mt. Vancouver Mt. Slaggard Nevado de Toluca Mt. Fairweather Mt. Hubbard Mt. Walsh Mt. Walsh Mt. Hunter	in North Ai Elev. (m) 6194 5956 5635 5489 5410 5304 5260 5230 5173 5044 5020 4996 4949 4860 4812 4742 4690 4812 4742 4690 4671 4557 4520 4506 4442	merica (500 m prom Region Alaska Range St. Elias Range Mexico St. Elias Range Mexico Alaska Range St. Elias Range Mexico St. Elias Range St. Elias Range	Location 63.0690 N, 151.0063 W 60.5666 N, 140.4072 W 19.0305 N, 97.2698 W 60.2927 N, 140.9307 W 19.0225 N, 98.6278 W 62.9605 N, 151.3992 W 61.0215 N, 140.4661 W 19.1792 N, 98.6419 W 60.5834 N, 140.6561 W 61.3845 N, 141.7529 W 61.0929 N, 140.3118 W 61.7305 N, 143.4031 W 62.2132 N, 144.1292 W 61.2323 N, 140.5139 W 60.3589 N, 139.6980 W 61.1723 N, 140.5869 W 19.1020 N, 99.7676 W 58.9064 N, 137.5265 W 60.3189 N, 139.0719 W 61.0034 N, 140.0172 W 62.9496 N, 151.0921 W	Shortest Ridge 19.1 11.2 17.4 14.8 10.5 8.8 32.9 15.4 11.7 7.9 9.0 22.4 13.5 6.6 7.4 3.2	Peak type triple triple volcano quad. volcano quad. triple volcano triple quad. volcano (eroded) volcano triple
# of ri GROU Rank 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	P 2: 50 highest peaks Name Mt. McKinley Mt. Logan Citlaltepetl Mt. St. Elias Pococatepetl Mt. Foraker Mt. Lucania Iztaccihuatl King Peak Mt. Bona Mt. Steele Mt. Blackburn Mt. Steele Mt. Blackburn Mt. Sanford Mt. Vancouver Mt. Slaggard Nevado de Toluca Mt. Fairweather Mt. Hubbard Mt. Bear Mt. Bear Mt. Bear Mt. Bear Mt. Malsh Mt. Hunter Matlalcueyetl	<i>in North Ai</i> <u>Elev. (m)</u> 6194 5956 5635 5489 5410 5304 5260 5230 5173 5044 5020 4996 4949 4860 4812 4742 4690 4671 4557 4520 4506 4442 4430	merica (500 m prom Region Alaska Range St. Elias Range Mexico St. Elias Range Mexico St. Elias Range St. Elias Range	Location 63.0690 N, 151.0063 W 60.5666 N, 140.4072 W 19.0305 N, 97.2698 W 60.2927 N, 140.9307 W 19.0225 N, 98.6278 W 62.9605 N, 151.3992 W 61.0215 N, 140.4661 W 19.1792 N, 98.6419 W 60.5834 N, 140.6561 W 61.3845 N, 141.7529 W 61.0929 N, 140.3118 W 61.7305 N, 143.4031 W 62.2132 N, 144.1292 W 61.2323 N, 140.5139 W 60.3589 N, 139.6980 W 61.1723 N, 140.5869 W 19.1020 N, 99.7676 W 58.9064 N, 137.5265 W 60.3189 N, 139.0719 W 61.2834 N, 141.1433 W 61.0034 N, 140.0172 W 62.9496 N, 151.0921 W 19.2302 N, 98.0316 W	Shortest Ridge 19.1 11.2 17.4 14.8 10.5 8.8 32.9 15.4 11.7 7.9 9.0 22.4 13.5 6.6 7.4 3.2 6.4	Peak type triple triple volcano quad. volcano quad. triple volcano triple triple quad. volcano (eroded) volcano triple triple triple triple triple triple triple triple triple triple triple triple triple volcano triple volcano triple volcano triple volcano triple volcano triple volcano triple volcano triple volcano triple triple volcano triple triple volcano triple volcano triple triple triple volcano triple triple triple
# of ri <u>GROU</u> <u>Rank</u> 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	P 2: 50 highest peaks Name Mt. McKinley Mt. Logan Citlaltepetl Mt. St. Elias Pococatepetl Mt. Foraker Mt. Lucania Iztaccihuatl King Peak Mt. Bona Mt. Steele Mt. Blackburn Mt. Sanford Mt. Vancouver Mt. Slaggard Nevado de Toluca Mt. Fairweather Mt. Hubbard Mt. Hubbard Mt. Hubbard Mt. Hubbard Mt. Walsh Mt. Hunter Matlalcueyetl Mt. Whitney	<i>in North Ai</i> Elev. (m) 6194 5956 5635 5489 5410 5304 5260 5230 5173 5044 5020 4996 4949 4860 4812 4742 4690 4671 4557 4520 4657 4520 4657 4520 4690 4671	merica (500 m prom Region Alaska Range St. Elias Range Mexico St. Elias Range Mexico St. Elias Range St. Elias Range Mexico Sierra Nevada	Location 63.0690 N, 151.0063 W 60.5666 N, 140.4072 W 19.0305 N, 97.2698 W 60.2927 N, 140.9307 W 19.0225 N, 98.6278 W 62.9605 N, 151.3992 W 61.0215 N, 140.4661 W 19.1792 N, 98.6419 W 60.5834 N, 140.6561 W 61.3845 N, 141.7529 W 61.0929 N, 140.3118 W 61.7305 N, 143.4031 W 62.2132 N, 144.1292 W 61.2323 N, 144.1292 W 61.2323 N, 140.5139 W 60.3589 N, 139.6980 W 61.1723 N, 140.5869 W 19.1020 N, 99.7676 W 58.9064 N, 137.5265 W 60.3189 N, 139.0719 W 61.2834 N, 141.1433 W 61.0034 N, 140.0172 W 62.9496 N, 151.0921 W 19.2302 N, 98.0316 W 36.5786 N, 118.2920 W	Shortest Ridge 19.1 11.2 17.4 14.8 10.5 8.8 32.9 15.4 11.7 7.9 9.0 22.4 13.5 6.6 7.4 3.2 6.4 1.2	Peak type triple triple volcano quad. volcano quad. triple volcano triple triple quad. volcano (eroded) volcano triple
# of ri <u>GROU</u> <u>Rank</u> 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	P 2: 50 highest peaks Name Mt. McKinley Mt. Logan Citlaltepetl Mt. St. Elias Pococatepetl Mt. Foraker Mt. Lucania Iztaccihuatl King Peak Mt. Bona Mt. Steele Mt. Blackburn Mt. Steele Mt. Blackburn Mt. Sanford Mt. Vancouver Mt. Slaggard Nevado de Toluca Mt. Fairweather Mt. Hubbard Mt. Bear Mt. Bear Mt. Bear Mt. Bear Mt. Malsh Mt. Hunter Matlalcueyetl	<i>in North Ai</i> <u>Elev. (m)</u> 6194 5956 5635 5489 5410 5304 5260 5230 5173 5044 5020 4996 4949 4860 4812 4742 4690 4671 4557 4520 4506 4442 4430	merica (500 m prom Region Alaska Range St. Elias Range Mexico St. Elias Range Mexico Alaska Range St. Elias Range Mexico St. Elias Range St. Elias Range Mexico St. Elias Range Alaska Range Mexico Sierra Nevada St. Elias Range	Location 63.0690 N, 151.0063 W 60.5666 N, 140.4072 W 19.0305 N, 97.2698 W 60.2927 N, 140.9307 W 19.0225 N, 98.6278 W 62.9605 N, 151.3992 W 61.0215 N, 140.4661 W 19.1792 N, 98.6419 W 60.5834 N, 140.6561 W 61.3845 N, 141.7529 W 61.0929 N, 140.3118 W 61.7305 N, 143.4031 W 62.2132 N, 144.1292 W 61.2323 N, 140.5139 W 60.3589 N, 139.6980 W 61.1723 N, 140.5869 W 19.1020 N, 99.7676 W 58.9064 N, 137.5265 W 60.3189 N, 139.0719 W 61.2834 N, 141.1433 W 61.0034 N, 140.0172 W 62.9496 N, 151.0921 W 19.2302 N, 98.0316 W	Shortest Ridge 19.1 11.2 17.4 14.8 10.5 8.8 32.9 15.4 11.7 7.9 9.0 22.4 13.5 6.6 7.4 3.2 6.4 1.2	Peak type triple triple volcano quad. volcano quad. triple volcano triple triple quad. volcano (eroded) volcano triple triple triple triple triple triple triple triple triple triple triple triple triple volcano triple volcano triple volcano triple volcano triple volcano triple volcano triple volcano triple volcano triple triple volcano triple triple volcano triple volcano triple triple volcano triple triple volcano triple triple volcano triple triple volcano triple triple triple volcano triple triple volcano triple triple
# of ri GROU Rank 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 223 24 25	P 2: 50 highest peaks Name Mt. McKinley Mt. Logan Citlaltepetl Mt. St. Elias Pococatepetl Mt. Foraker Mt. Lucania Iztaccihuatl King Peak Mt. Bona Mt. Steele Mt. Blackburn Mt. Sanford Mt. Vancouver Mt. Slaggard Nevado de Toluca Mt. Fairweather Mt. Hubbard Mt. Hubbard Mt. Hubbard Mt. Hubbard Mt. Walsh Mt. Hunter Matlalcueyetl Mt. Whitney	<i>in North Ai</i> Elev. (m) 6194 5956 5635 5489 5410 5304 5260 5230 5173 5044 5020 4996 4949 4860 4812 4742 4690 4671 4557 4520 4657 4520 4657 4520 4690 4671	merica (500 m prom Region Alaska Range St. Elias Range Mexico St. Elias Range Mexico Alaska Range St. Elias Range Mexico St. Elias Range St. Elias Range Mexico St. Elias Range Alaska Range Mexico Sierra Nevada St. Elias Range	Location 63.0690 N, 151.0063 W 60.5666 N, 140.4072 W 19.0305 N, 97.2698 W 60.2927 N, 140.9307 W 19.0225 N, 98.6278 W 62.9605 N, 151.3992 W 61.0215 N, 140.4661 W 19.1792 N, 98.6419 W 60.5834 N, 140.6561 W 61.3845 N, 141.7529 W 61.0929 N, 140.3118 W 61.7305 N, 143.4031 W 62.2132 N, 144.1292 W 61.2323 N, 144.1292 W 61.2323 N, 140.5139 W 60.3589 N, 139.6980 W 61.1723 N, 140.5869 W 19.1020 N, 99.7676 W 58.9064 N, 137.5265 W 60.3189 N, 139.0719 W 61.2834 N, 141.1433 W 61.0034 N, 140.0172 W 62.9496 N, 151.0921 W 19.2302 N, 98.0316 W 36.5786 N, 118.2920 W	Shortest Ridge 19.1 11.2 17.4 14.8 10.5 8.8 32.9 15.4 11.7 7.9 9.0 22.4 13.5 6.6 7.4 3.2 6.4 1.2 33.1	Peak type triple triple volcano quad. volcano quad. triple volcano triple triple quad. volcano (eroded) volcano triple
# of ri GROU Rank 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26	P 2: 50 highest peaks Name Mt. McKinley Mt. Logan Citlaltepetl Mt. St. Elias Pococatepetl Mt. Foraker Mt. Foraker Mt. Lucania Iztaccihuatl King Peak Mt. Bona Mt. Steele Mt. Bona Mt. Steele Mt. Blackburn Mt. Sanford Mt. Sanford Mt. Vancouver Mt. Slaggard Nevado de Toluca Mt. Fairweather Mt. Hubbard Mt. Bear Mt. Walsh Mt. Hunter Matlalcueyetl Mt. Whitney Mt. Alverstone University Peak	<i>in North Ai</i> Elev. (m) 6194 5956 5635 5489 5410 5304 5230 5230 5173 5044 5020 4996 4949 4860 4949 4860 4812 4742 4690 4671 4557 4520 4506 4442 4430 4421 4420 4410	merica (500 m prom Region Alaska Range St. Elias Range Mexico St. Elias Range Mexico Alaska Range St. Elias Range Mexico St. Elias Range St. Elias Range Mexico Sierra Nevada St. Elias Range St. Elias Range St. Elias Range	Location 63.0690 N, 151.0063 W 60.5666 N, 140.4072 W 19.0305 N, 97.2698 W 60.2927 N, 140.9307 W 19.0225 N, 98.6278 W 62.9605 N, 151.3992 W 61.0215 N, 140.4661 W 19.1792 N, 98.6419 W 60.5834 N, 140.6561 W 61.3845 N, 141.7529 W 61.0929 N, 140.3118 W 61.7305 N, 143.4031 W 62.2132 N, 144.1292 W 61.2323 N, 140.5139 W 60.3589 N, 139.6980 W 61.1723 N, 140.5869 W 19.1020 N, 99.7676 W 58.9064 N, 137.5265 W 60.3189 N, 139.0719 W 61.2834 N, 141.1433 W 61.0034 N, 140.0172 W 62.9496 N, 151.0921 W 19.2302 N, 98.0316 W 36.5786 N, 118.2920 W 60.3519 N, 139.0752 W 61.3272 N, 141.7867 W	Shortest Ridge 19.1 11.2 17.4 14.8 10.5 8.8 32.9 15.4 11.7 7.9 9.0 22.4 13.5 6.6 7.4 3.2 6.4 1.2 3.3.1 3.6	Peak type triple triple volcano quad. volcano quad. triple volcano triple triple quad. volcano (eroded) volcano triple
# of ri GROU Rank 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 16 17 18 19 20 21 22 23 24 25 26 27	P 2: 50 highest peaks Name Mt. McKinley Mt. Logan Citlaltepetl Mt. St. Elias Pococatepetl Mt. Foraker Mt. Lucania Iztaccihuatl King Peak Mt. Bona Mt. Steele Mt. Bona Mt. Steele Mt. Blackburn Mt. Steele Mt. Blackburn Mt. Steele Mt. Blackburn Mt. Steele Mt. Blackburn Mt. Steele Mt. Blackburn Mt. Steele Mt. Fairweather Mt. Hubbard Mt. Hunter Matlalcueyetl Mt. Alverstone University Peak Mt. Elbert	<i>in North Ai</i> Elev. (m) 6194 5956 5635 5489 5410 5304 5230 5230 5173 5044 5020 4996 4949 4860 4949 4860 4812 4742 4690 4671 4557 4520 4506 4442 4430 44421 4420 4410	merica (500 m prom Region Alaska Range St. Elias Range Mexico St. Elias Range Mexico Alaska Range St. Elias Range Mexico St. Elias Range St. Elias Range	Location 63.0690 N, 151.0063 W 60.5666 N, 140.4072 W 19.0305 N, 97.2698 W 60.2927 N, 140.9307 W 19.0225 N, 98.6278 W 62.9605 N, 151.3992 W 61.0215 N, 140.4661 W 19.1792 N, 98.6419 W 60.5834 N, 140.6561 W 61.3845 N, 141.7529 W 61.0929 N, 140.3118 W 61.7305 N, 143.4031 W 62.2132 N, 140.5139 W 60.3589 N, 139.6980 W 61.1723 N, 140.5139 W 60.3589 N, 139.6980 W 61.1723 N, 140.5565 W 60.3189 N, 139.0719 W 61.2834 N, 141.1433 W 61.0034 N, 140.0172 W 62.9496 N, 151.0921 W 19.2302 N, 98.0316 W 36.5786 N, 118.2920 W 60.3519 N, 139.0752 W 61.3272 N, 141.7867 W 39.1178 N, 106.4454 W	Shortest Ridge 19.1 11.2 17.4 14.8 10.5 8.8 32.9 15.4 11.7 7.9 9.0 22.4 13.5 6.6 7.4 3.2 6.4 1.2 3.1 3.6 4.2	Peak type triple triple volcano quad. volcano quad. triple volcano triple triple quad. volcano (eroded) volcano triple
# of ri <u>GROU</u> <u>Rank</u> 1 2 3 3 4 5 6 7 8 9 100 111 122 133 144 155 166 17 17 16 16 17 17 20 21 22 23 24 25 26 27 28	P 2: 50 highest peaks Name Mt. McKinley Mt. Logan Citlaltepetl Mt. St. Elias Pococatepetl Mt. Foraker Mt. Foraker Mt. Lucania Iztaccihuatl King Peak Mt. Bona Mt. Steele Mt. Bona Mt. Steele Mt. Blackburn Mt. Sanford Mt. Sanford Mt. Vancouver Mt. Slaggard Nevado de Toluca Mt. Fairweather Mt. Hubbard Mt. Fairweather Mt. Hubbard Mt. Bear Mt. Hubbard Mt. Hunter Matlalcueyetl Mt. Alverstone University Peak Mt. Elbert Mt. Massive	<i>in North Ai</i> Elev. (m) 6194 5956 5635 5489 5410 5304 5260 5230 5173 5044 5020 4996 4949 4860 4812 4742 4690 4867 4871 4557 4520 4506 4442 4557 4520 4506 4442 4430 44410 4401 4398	merica (500 m prom Region Alaska Range St. Elias Range Mexico St. Elias Range Mexico Alaska Range St. Elias Range	Location 63.0690 N, 151.0063 W 60.5666 N, 140.4072 W 19.0305 N, 97.2698 W 60.2927 N, 140.9307 W 19.0225 N, 98.6278 W 62.9605 N, 151.3992 W 61.0215 N, 140.4661 W 19.1792 N, 98.6419 W 60.5834 N, 140.6561 W 61.3845 N, 141.7529 W 61.0929 N, 140.3118 W 61.7305 N, 143.4031 W 62.2132 N, 144.1292 W 61.2323 N, 140.5139 W 60.3589 N, 139.6980 W 61.1723 N, 140.5139 W 60.3589 N, 139.6980 W 61.1723 N, 140.5139 W 60.3189 N, 139.6980 W 19.1020 N, 99.7676 W 58.9064 N, 137.5265 W 60.3189 N, 139.0719 W 61.2834 N, 141.1433 W 61.0034 N, 140.0172 W 62.9496 N, 151.0921 W 19.2302 N, 98.0316 W 36.5786 N, 118.2920 W 60.3519 N, 139.0752 W 61.3272 N, 141.7867 W 39.1178 N, 106.4454 W 39.1875 N, 106.4757 W	Shortest Ridge 19.1 11.2 17.4 14.8 10.5 8.8 32.9 15.4 11.7 7.9 9.0 22.4 13.5 6.6 7.4 3.2 6.4 1.2 3.1 3.6 6.4 2.5	Peak type           triple           triple           volcano           quad.           volcano           quad.           triple           volcano           quad.           triple           volcano           triple           triple           quad.           volcano (eroded)           volcano (eroded)           volcano           triple
# of ri <u>GROU</u> <u>Rank</u> 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29	P 2: 50 highest peaks Name Mt. McKinley Mt. Logan Citlaltepetl Mt. St. Elias Pococatepetl Mt. Foraker Mt. Lucania Iztaccihuatl King Peak Mt. Bona Mt. Steele Mt. Blackburn Mt. Sanford Mt. Sanford Mt. Vancouver Mt. Slaggard Nevado de Toluca Mt. Fairweather Mt. Hubbard Mt. Bear Mt. Hubbard Mt. Bear Mt. Hubter Mt. Hubter Matlalcueyetl Mt. Mitney Mt. Alverstone University Peak Mt. Elbert Mt. Massive Mt. Harvard	in North Ai Elev. (m) 6194 5956 5635 5489 5410 5304 5260 5230 5173 5044 5020 4996 4949 4860 4812 4742 4690 4671 4557 4520 4660 4671 4557 4520 4506 4442 4430 4421 4420 4440	merica (500 m prom         Region         Alaska Range         St. Elias Range         Mexico         St. Elias Range         St. Elias Range         St. Elias Range         Wrangell Mtns.         St. Elias Range         St. Elias Range	Location 63.0690 N, 151.0063 W 60.5666 N, 140.4072 W 19.0305 N, 97.2698 W 60.2927 N, 140.9307 W 19.0225 N, 98.6278 W 62.9605 N, 151.3992 W 61.0215 N, 140.4661 W 19.1792 N, 98.6419 W 60.5834 N, 140.6561 W 61.3845 N, 141.7529 W 61.0929 N, 140.3118 W 61.7305 N, 143.4031 W 62.2132 N, 144.1292 W 61.2323 N, 140.5139 W 60.3589 N, 139.6980 W 61.1723 N, 140.5869 W 19.1020 N, 99.7676 W 58.9064 N, 137.5265 W 60.3189 N, 139.0719 W 61.2834 N, 141.1433 W 61.0034 N, 140.0172 W 62.9496 N, 151.0921 W 19.2302 N, 98.0316 W 36.5786 N, 118.2920 W 61.3272 N, 141.7867 W 39.1178 N, 106.4454 W 39.1875 N, 106.4757 W 38.9244 N, 106.3207 W	Shortest Ridge 19.1 11.2 17.4 14.8 10.5 8.8 32.9 15.4 11.7 7.9 9.0 22.4 13.5 6.6 7.4 3.2 6.4 1.2 3.1 3.6 6.4 2.5	Peak type triple triple volcano quad. volcano quad. triple volcano triple triple quad. volcano (eroded) volcano triple
<b># of r</b> i <b>GROU</b> <b>Rank</b> 1 2 3 4 5 6 7 8 9 10 11 12 13 14 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	P 2: 50 highest peaks Name Mt. McKinley Mt. Logan Citlaltepetl Mt. St. Elias Pococatepetl Mt. Foraker Mt. Lucania Iztaccihuatl King Peak Mt. Bona Mt. Steele Mt. Blackburn Mt. Steele Mt. Blackburn Mt. Sanford Mt. Vancouver Mt. Slaggard Nevado de Toluca Mt. Fairweather Mt. Hubbard Mt. Fairweather Mt. Hubbard Mt. Bear Mt. Hubbard Mt. Bear Mt. Walsh Mt. Hunter Matlalcueyetl Mt. Alverstone University Peak Mt. Elbert Mt. Massive Mt. Harvard Mt. Ranier	<i>in North Ai</i> Elev. (m) 6194 5956 5635 5489 5410 5304 5260 5230 5173 5044 5020 4996 4949 4860 4812 4742 4690 4671 4557 4520 4506 4442 4430 4421 4420 4410 4410 44398 4397 4394	merica (500 m prom Region Alaska Range St. Elias Range Mexico St. Elias Range Mexico St. Elias Range St. Elias Range Sawatch R., CO Collegiate Pks., CO	Location 63.0690 N, 151.0063 W 60.5666 N, 140.4072 W 19.0305 N, 97.2698 W 60.2927 N, 140.9307 W 19.0225 N, 98.6278 W 62.9605 N, 151.3992 W 61.0215 N, 140.4661 W 19.1792 N, 98.6419 W 60.5834 N, 140.6561 W 61.3845 N, 141.7529 W 61.0929 N, 140.3118 W 61.7305 N, 143.4031 W 62.2132 N, 144.1292 W 61.2323 N, 140.5139 W 60.3589 N, 139.6980 W 61.1723 N, 140.5869 W 19.1020 N, 99.7676 W 58.9064 N, 137.5265 W 60.3189 N, 139.0719 W 61.2034 N, 141.1433 W 61.0034 N, 140.0172 W 62.9496 N, 151.0921 W 19.2302 N, 98.0316 W 36.5786 N, 118.2920 W 60.3519 N, 139.0752 W 61.3272 N, 141.7867 W 39.1178 N, 106.4454 W 39.1875 N, 106.4757 W 38.9244 N, 106.3207 W	Shortest Ridge 19.1 11.2 17.4 14.8 10.5 8.8 32.9 15.4 11.7 7.9 9.0 22.4 13.5 6.6 7.4 3.2 6.4 1.2 33.1 3.6 2.5 2.8	Peak type triple triple volcano quad. volcano quad. triple volcano triple triple quad. volcano (eroded) volcano triple
# of ri <u>GROU</u> <u>Rank</u> 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	P 2: 50 highest peaks Name Mt. McKinley Mt. Logan Citlaltepetl Mt. St. Elias Pococatepetl Mt. Foraker Mt. Lucania Iztaccihuatl King Peak Mt. Bona Mt. Steele Mt. Blackburn Mt. Steele Mt. Blackburn Mt. Sanford Mt. Vancouver Mt. Slaggard Nevado de Toluca Mt. Fairweather Mt. Hubbard Mt. Hubbard Mt. Bear Mt. Hubbard Mt. Bear Mt. Hubbard Mt. Bear Mt. Hubbard Mt. Hunter Matlalcueyetl Mt. Alverstone University Peak Mt. Alverstone University Peak Mt. Harvard Mt. Ranier Mt. Ranier	<i>in North Ai</i> Elev. (m) 6194 5956 5635 5489 5410 5304 5260 5230 5173 5044 5020 4996 4949 4812 4742 4690 4671 4557 4520 4690 4671 4557 4520 4690 4671 4557 4520 4690 4671 4455 4420 4420 4440 4421 4420 4438	merica (500 m prom Region Alaska Range St. Elias Range Mexico St. Elias Range Mexico St. Elias Range St. Elias Range Sawatch R., CO Collegiate Pks., CO Cascade Range	Location 63.0690 N, 151.0063 W 60.5666 N, 140.4072 W 19.0305 N, 97.2698 W 60.2927 N, 140.9307 W 19.0225 N, 98.6278 W 62.9605 N, 151.3992 W 61.0215 N, 140.4661 W 19.1792 N, 98.6419 W 60.5834 N, 140.6561 W 61.3845 N, 141.7529 W 61.0929 N, 140.3118 W 61.7305 N, 143.4031 W 62.2132 N, 144.1292 W 61.2323 N, 140.5139 W 60.3589 N, 139.6980 W 61.1723 N, 140.5869 W 19.1020 N, 99.7676 W 58.9064 N, 137.5265 W 60.3189 N, 139.0719 W 61.2834 N, 141.1433 W 61.0034 N, 140.0172 W 62.9496 N, 151.0921 W 19.2302 N, 98.0316 W 36.5786 N, 118.2920 W 60.3519 N, 139.0752 W 61.3272 N, 141.7867 W 39.1875 N, 106.4757 W 38.9244 N, 106.3207 W 46.8521 N, 121.7579 W 36.6559 N, 118.3111 W	Shortest Ridge 19.1 11.2 17.4 14.8 10.5 8.8 32.9 15.4 11.7 7.9 9.0 22.4 13.5 6.6 7.4 13.5 8.8 8.8 8.8 8.8 8.8 8.8 8.8 8	Peak type triple triple volcano quad. volcano quad. triple volcano triple triple quad. volcano (eroded) volcano triple volcano quad. triple
# of ri <u>GROU</u> <u>Rank</u> 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	P 2: 50 highest peaks Name Mt. McKinley Mt. Logan Citlaltepetl Mt. St. Elias Pococatepetl Mt. Foraker Mt. Lucania Iztaccihuatl King Peak Mt. Bona Mt. Steele Mt. Blackburn Mt. Steele Mt. Blackburn Mt. Sanford Mt. Vancouver Mt. Slaggard Nevado de Toluca Mt. Fairweather Mt. Hubbard Mt. Fairweather Mt. Hubbard Mt. Bear Mt. Hubbard Mt. Bear Mt. Walsh Mt. Hunter Matlalcueyetl Mt. Alverstone University Peak Mt. Elbert Mt. Massive Mt. Harvard Mt. Ranier	<i>in North Ai</i> Elev. (m) 6194 5956 5635 5489 5410 5304 5230 5173 5044 5020 4996 4949 4812 4742 4690 4812 4742 4690 4671 4557 4520 4506 4442 4430 4442 4430 4442 4440 4440 4441 4398 4397 4394 4386 4380	merica (500 m prom Region Alaska Range St. Elias Range Mexico St. Elias Range Mexico St. Elias Range St. Elias Range Sawatch R., CO Collegiate Pks., CO	Location 63.0690 N, 151.0063 W 60.5666 N, 140.4072 W 19.0305 N, 97.2698 W 60.2927 N, 140.9307 W 19.0225 N, 98.6278 W 62.9605 N, 151.3992 W 61.0215 N, 140.4661 W 19.1792 N, 98.6419 W 60.5834 N, 140.6561 W 61.3845 N, 141.7529 W 61.0929 N, 140.3118 W 61.7305 N, 143.4031 W 62.2132 N, 144.1292 W 61.2323 N, 144.1292 W 61.3233 N, 140.5139 W 60.3589 N, 139.6980 W 61.1723 N, 140.5869 W 19.1020 N, 99.7676 W 58.9064 N, 137.5265 W 60.3189 N, 139.0792 W 61.2834 N, 141.1433 W 61.0034 N, 140.0172 W 62.9496 N, 151.0921 W 19.2302 N, 98.0316 W 36.5786 N, 118.2920 W 60.3519 N, 139.0752 W 61.3272 N, 141.7867 W 39.1178 N, 106.4454 W 39.1875 N, 106.4757 W 38.9244 N, 106.3207 W 36.6559 N, 118.3111 W 60.6061 N, 140.2160 W	Shortest Ridge 19.1 11.2 17.4 14.8 10.5 8.8 32.9 15.4 11.7 7.9 9.0 22.4 13.5 6.6 7.4 3.2 6.4 1.2 33.1 3.6 4.2 2.5 2.8 8.3 4.1	Peak type triple triple volcano quad. volcano quad. triple volcano triple
# of ri GROU Rank 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 223 24 25 26 27 28 29 30 31 32	P 2: 50 highest peaks Name Mt. McKinley Mt. Logan Citlaltepetl Mt. St. Elias Pococatepetl Mt. Foraker Mt. Lucania Iztaccihuatl King Peak Mt. Bona Mt. Steele Mt. Blackburn Mt. Steele Mt. Blackburn Mt. Sanford Mt. Vancouver Mt. Slaggard Nevado de Toluca Mt. Fairweather Mt. Hubbard Mt. Hubbard Mt. Bear Mt. Hubbard Mt. Bear Mt. Hubbard Mt. Bear Mt. Hubbard Mt. Hunter Matlalcueyetl Mt. Alverstone University Peak Mt. Alverstone University Peak Mt. Harvard Mt. Ranier Mt. Ranier	<i>in North Ai</i> Elev. (m) 6194 5956 5635 5489 5410 5304 5260 5230 5173 5044 5020 4996 4949 4812 4742 4690 4671 4557 4520 4690 4671 4557 4520 4690 4671 4557 4520 4690 4671 4455 4420 4420 4440 4421 4420 4438	merica (500 m prom Region Alaska Range St. Elias Range Mexico St. Elias Range Mexico St. Elias Range St. Elias Range Sawatch R., CO Collegiate Pks., CO Cascade Range	Location 63.0690 N, 151.0063 W 60.5666 N, 140.4072 W 19.0305 N, 97.2698 W 60.2927 N, 140.9307 W 19.0225 N, 98.6278 W 62.9605 N, 151.3992 W 61.0215 N, 140.4661 W 19.1792 N, 98.6419 W 60.5834 N, 140.6561 W 61.3845 N, 141.7529 W 61.0929 N, 140.3118 W 61.7305 N, 143.4031 W 62.2132 N, 144.1292 W 61.2323 N, 140.5139 W 60.3589 N, 139.6980 W 61.1723 N, 140.5869 W 19.1020 N, 99.7676 W 58.9064 N, 137.5265 W 60.3189 N, 139.0719 W 61.2834 N, 141.1433 W 61.0034 N, 140.0172 W 62.9496 N, 151.0921 W 19.2302 N, 98.0316 W 36.5786 N, 118.2920 W 60.3519 N, 139.0752 W 61.3272 N, 141.7867 W 39.1875 N, 106.4757 W 38.9244 N, 106.3207 W 46.8521 N, 121.7579 W 36.6559 N, 118.3111 W	Shortest Ridge 19.1 11.2 17.4 14.8 10.5 8.8 32.9 15.4 11.7 7.9 9.0 22.4 13.5 6.6 7.4 3.2 6.4 1.2 33.1 3.6 4.2 2.5 2.8 8.3 4.1	Peak type triple triple volcano quad. volcano quad. triple volcano triple triple quad. volcano (eroded) volcano triple volcano quad. triple
# of ri GROU Rank 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 23 24 25 26 27 28 29 30 31 32 33 24 25 26 27 28 29 30 31 32 33 33 34 32 33 33 34 35 35 35 35 35 35 35 35 35 35	P 2: 50 highest peaks Name Mt. McKinley Mt. Logan Citlaltepetl Mt. St. Elias Pococatepetl Mt. Foraker Mt. Lucania Iztaccihuatl King Peak Mt. Bona Mt. Steele Mt. Blackburn Mt. Steele Mt. Blackburn Mt. Sanford Mt. Vancouver Mt. Slaggard Nevado de Toluca Mt. Fairweather Mt. Hubbard Mt. Hubbard Mt. Bear Mt. Walsh Mt. Hunter Matlalcueyetl Mt. Alverstone University Peak Mt. Elbert Mt. Massive Mt. Harvard Mt. Ranier Mt. Williamson McArthur Peak	<i>in North Ai</i> Elev. (m) 6194 5956 5635 5489 5410 5304 5230 5173 5044 5020 4996 4949 4812 4742 4690 4671 4557 4520 4690 4671 4557 4520 4506 4442 4430 4442 4430 4442 4440 4440 4441 4398 4397 4394 4386 4380	merica (500 m prom Region Alaska Range St. Elias Range Mexico St. Elias Range Mexico Alaska Range St. Elias Range Mexico St. Elias Range St. Elias Range Sierra Nevada St. Elias Range Sierra Nevada St. Elias Range Sierra Nevada St. Elias Range Sierra Nevada St. Elias Range Collegiate Pks., CO	Location 63.0690 N, 151.0063 W 60.5666 N, 140.4072 W 19.0305 N, 97.2698 W 60.2927 N, 140.9307 W 19.0225 N, 98.6278 W 62.9605 N, 151.3992 W 61.0215 N, 140.4661 W 19.1792 N, 98.6419 W 60.5834 N, 140.6561 W 61.3845 N, 141.7529 W 61.0929 N, 140.3118 W 61.7305 N, 143.4031 W 62.2132 N, 144.1292 W 61.2323 N, 144.1292 W 61.3233 N, 140.5139 W 60.3589 N, 139.6980 W 61.1723 N, 140.5869 W 19.1020 N, 99.7676 W 58.9064 N, 137.5265 W 60.3189 N, 139.0792 W 61.2834 N, 141.1433 W 61.0034 N, 140.0172 W 62.9496 N, 151.0921 W 19.2302 N, 98.0316 W 36.5786 N, 118.2920 W 60.3519 N, 139.0752 W 61.3272 N, 141.7867 W 39.1178 N, 106.4454 W 39.1875 N, 106.4757 W 38.9244 N, 106.3207 W 36.6559 N, 118.3111 W 60.6061 N, 140.2160 W	Shortest Ridge 19.1 11.2 17.4 14.8 10.5 8.8 32.9 15.4 11.7 7.9 9.0 22.4 13.5 6.6 7.4 3.2 6.4 1.2 3.3.1 3.6 4.2 2.5 2.8 8.3 4.1 3.2	Peak type triple triple volcano quad. volcano quad. triple volcano triple triple quad. volcano (eroded) volcano triple
# of ri GROU Rank 1 2 3 3 4 5 6 7 8 9 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 24 25 26 27 28 29 30 31 31 31 31 32 33 34 33 34 33 34 33 34 33 34 33 34 35 35 35 35 35 35 35 35 35 35	P 2: 50 highest peaks Name Mt. McKinley Mt. Logan Citlaltepetl Mt. St. Elias Pococatepetl Mt. Foraker Mt. Lucania Iztaccihuatl King Peak Mt. Bona Mt. Steele Mt. Bona Mt. Steele Mt. Blackburn Mt. Sanford Mt. Sanford Mt. Vancouver Mt. Slaggard Nevado de Toluca Mt. Fairweather Mt. Hubbard Mt. Bear Mt. Hubbard Mt. Bear Mt. Walsh Mt. Hunter Matlalcueyetl Mt. Whitney Mt. Alverstone University Peak Mt. Harvard Mt. Ranier Mt. Milliamson McArthur Peak La Plata Peak	<i>in North Ai</i> Elev. (m) 6194 5956 5635 5489 5410 5304 5230 5230 5173 5044 5020 4996 4949 4860 4812 4742 4690 4671 4557 4520 4690 4671 4557 4520 4469 44742 4430 4421 4420 4410 4421 44398 4397 4394 4386 4380 4379	merica (500 m prom Region Alaska Range St. Elias Range Mexico St. Elias Range Mexico Alaska Range St. Elias Range Mexico St. Elias Range St. Elias Range Sierra Nevada St. Elias Range Sierra Nevada St. Elias Range Sierra Nevada St. Elias Range Sierra Nevada St. Elias Range Collegiate Pks., CO	Location 63.0690 N, 151.0063 W 60.5666 N, 140.4072 W 19.0305 N, 97.2698 W 60.2927 N, 140.9307 W 19.0225 N, 98.6278 W 62.9605 N, 151.3992 W 61.0215 N, 140.4661 W 19.1792 N, 98.6419 W 60.5834 N, 140.6561 W 61.3845 N, 141.7529 W 61.0929 N, 140.3118 W 61.7305 N, 143.4031 W 62.2132 N, 144.1292 W 61.2323 N, 140.5139 W 60.3589 N, 139.6980 W 61.1723 N, 140.5869 W 19.1020 N, 99.7676 W 58.9064 N, 137.5265 W 60.3189 N, 139.0719 W 61.2834 N, 141.1433 W 61.0034 N, 140.0172 W 62.9496 N, 151.0921 W 19.2302 N, 98.0316 W 36.5786 N, 118.2920 W 60.3519 N, 139.0752 W 61.3272 N, 141.7867 W 39.1178 N, 106.4454 W 39.1875 N, 106.4757 W 38.9244 N, 106.3207 W 46.8521 N, 121.7579 W 36.6559 N, 118.3111 W 60.6061 N, 140.2160 W 39.0294 N, 106.4729 W	Shortest Ridge 19.1 11.2 17.4 14.8 10.5 8.8 32.9 15.4 11.7 7.9 9.0 22.4 13.5 6.6 7.4 3.2 6.4 1.2 3.31 3.6 4.2 2.5 2.8 8.3 4.1 3.2 6.6	Peak type triple triple volcano quad. volcano quad. triple volcano triple

36						
	Creston Peak	4359		37.9668 N, 105.5855 W		quad.
	Mt. Lincoln	4357	Mosquito R., CO	39.3515 N, 106.1116 W		triple
	Castle Peak	4352	Elk Mtns., CO	39.0097 N, 106.8614 W		quad.
	Grays Peak	4352	Front R., CO	39.6339 N, 105.8176 W		quad.
	Mt. Antero	4351	Sawatch R., CO	38.6741 N, 106.2462 W		triple
	Mt. Evans	4348	Front R., CO	39.5883 N, 105.6438 W		triple
	Longs Peak	4346	Front R., CO	40.2550 N, 105.6151 W		triple
	Mt. Wilson	4344		37.8391 N, 107.9916 W		quad.
	White Mountain Pk.	4344	White Mtns., CA	37.6341 N, 118.2557 W	9.9	triple
	North Palisade	4343	Sierra Nevada, CA	37.0943 N, 118.5147 W	4.5	ridge only
	Mt. Princeton Mt. Yale	4329	Collegiate Pks., CO	38.7492 N, 106.2424 W		triple triple
	Mt. Shasta	4329 4322	Collegiate Pks., CO Cascade Range, CA	38.8442 N, 106.3138 W 41.4092 N, 122.1949 W	3.9	
	Maroon Pk.	4322	Elk Mtns., CO	39.0708 N, 106.9890 W	20.3	volcano
	Maroon Pk. Mt. Wrangell	4317	Wrangell Mtns.	62.0059 N, 144.0187 W	20.3	1
	ks are constructional;					volcano
9 pear	ts are constructional,		age-only. Triple/qua	u = 30%.		
GROU	P 3: Top 20 peaks of E	uropean A	ps (~100 m prominei	nce); all are above the	glacial limit	
	Name	Elev. (m)		Location	Shortest Ridge	Peak type
1	Mont Blanc	4808	Alps	45.8336 N, 6.8650 E		triple
	Monte Rosa	4634	Alps	45.9368 N, 7.8671 E		triple
	Zumsteinspitze	4563	Alps	45.9319 N, 7.8714 E		triple
	Dom		Alps	46.0950 N, 7.8600 E		quad.
	Liskamm	4527	Alps	45.9225 N, 7.8356 E		triple
	Weisshorn	4506	Alps	46.1017 N, 7.7161 E	(	triple
	Matterhorn	4478	Alps	45.9764 N, 7.6583 E		quad.
	Dent Blanche	4356	Alps	46.0342 N, 7.6119 E		quad.
9	Nadelhorn	4327	Alps	46.1088 N, 7.8642 E		triple
10	Grand Combin	4314	Alps	45.9375 N, 7.2992 E	12.5	triple
11	Lenzspitze	4294	Alps	46.1046 N, 7.8684 E		triple
12	Finsteraarhorn	4274	Alps	46.5375 N, 8.1260 E		triple
13	Zinalrothorn	4221	Alps	46.0647 N, 7.6900 E	7.4	quad.
14	Grandes Jorasses	4208	Alps	45.8689 N, 6.9881 E		triple
15	Alphubel	4206	Alps	46.0629 N, 7.8639 E	1.2	triple
16	Rimpfischhorn	4199	Alps	46.0231 N, 7.8839 E		triple
17	Strahlhorn	4190	Alps	46.0132 N, 7.9018 E	3.7	quad.
18	Dent d'Herens	4171	Alps	45.9701 N, 7.6051 E		ridge only
19	Breithorn	4164	Alps	45.9411 N, 7.7472 E	1.1	triple
20	Jungfrau	4158	Alps	46.5368 N, 7.9626 E	4.0	triple
# of ri	idge-only peaks = 1. T	riple/quad	peaks = 95%			
	<u></u>	*****	of countries /Tslands /	of SE Asia and Pacific; a	all flunvial	
	P 4: Highest non-volca					
Rank	<u>Name</u>	Elev. (m)	Region	Location	Shortest Ridge	
Rank 1	<u>Name</u> Mt. Wilhelm	<u>Elev. (m)</u> 4509	<b>Region</b> Papua NG	Location 5.8000 S, 145.0333 E	Shortest Ridge	quad.
<u>Rank</u> 1 2	<b>Name</b> Mt. Wilhelm Gunung Kinabalu	<b>Elev. (m)</b> 4509 4095	<b>Region</b> Papua NG Borneo	Location 5.8000 S, 145.0333 E 6.0724 N, 116.5616 E	Shortest Ridge 7.8	quad. ridge only (rounded
Rank 1 2 3	<u>Name</u> Mt. Wilhelm Gunung Kinabalu Yushan	Elev. (m) 4509 4095 3952	<b>Region</b> Papua NG Borneo Taiwan	Location 5.8000 S, 145.0333 E 6.0724 N, 116.5616 E 23.4700 N, 120.9573 E	Shortest Ridge 7.8 9.1	quad. ridge only (rounded, quad.
<u>Rank</u> 1 2 3 4	<b>Name</b> Mt. Wilhelm Gunung Kinabalu Yushan Phou Bia	Elev. (m) 4509 4095 3952 2819	<b>Region</b> Papua NG Borneo Taiwan Laos	Location 5.8000 S, 145.0333 E 6.0724 N, 116.5616 E 23.4700 N, 120.9573 E 18.9796 N, 103.1515 E	Shortest Ridge 7.8 9.1 10.4	quad. ridge only (rounded quad. quad.
Rank 1 2 3 4 5	Name Mt. Wilhelm Gunung Kinabalu Yushan Phou Bia Jirisan	Elev. (m) 4509 4095 3952 2819 1915	<b>Region</b> Papua NG Borneo Taiwan Laos South Korea (mainland	Location 5.8000 S, 145.0333 E 6.0724 N, 116.5616 E 23.4700 N, 120.9573 E 18.9796 N, 103.1515 E 35.3370 N, 127.7167 E	Shortest Ridge 7.8 9.1 10.4 3.8	quad. <b>ridge only (rounded</b> quad. quad. triple
Rank 1 2 3 4 5 6	Name Mt. Wilhelm Gunung Kinabalu Yushan Phou Bia Jirisan Hokusuihaku-san	Elev. (m) 4509 4095 3952 2819 1915 2522	<b>Region</b> Papua NG Borneo Taiwan Laos South Korea (mainland North Korea (non-volc.)	Location 5.8000 S, 145.0333 E 6.0724 N, 116.5616 E 23.4700 N, 120.9573 E 18.9796 N, 103.1515 E 35.3370 N, 127.7167 E 40.7105 N, 127.7505 E	Shortest Ridge 7.8 9.1 10.4 3.8 8.5	quad. ridge only (rounded quad. quad. triple triple
Rank 1 2 3 4 5 6 7	Name Mt. Wilhelm Gunung Kinabalu Yushan Phou Bia Jirisan Hokusuihaku-san Doi Inthanon	Elev. (m) 4509 4095 3952 2819 1915 2522 2565	Region Papua NG Borneo Taiwan Laos South Korea (mainland North Korea (non-volc.) Thailand	Location 5.8000 S, 145.0333 E 6.0724 N, 116.5616 E 23.4700 N, 120.9573 E 18.9796 N, 103.1515 E 35.3370 N, 127.7167 E 40.7105 N, 127.7505 E 18.5922 N, 98.4867 E	Shortest Ridge 7.8 9.1 10.4 3.8 8.5 5.3	quad. ridge only (rounded quad. quad. triple triple triple (but rounded,
Rank 1 2 3 4 5 6 7 8	Name Mt. Wilhelm Gunung Kinabalu Yushan Phou Bia Jirisan Hokusuihaku-san Doi Inthanon Phnom Aural	Elev. (m) 4509 4095 3952 2819 1915 2522 2565 1813	Region Papua NG Borneo Talwan Laos South Korea (mainland North Korea (non-volc.) Thailand Cambodia	Location 5.8000 S, 145.0333 E 6.0724 N, 116.5616 E 23.4700 N, 120.9573 E 18.9796 N, 103.1515 E 35.3370 N, 127.7167 E 40.7105 N, 127.7505 E 18.5922 N, 98.4867 E 12.0333 N, 104.1667 E	Shortest Ridge 7.8 9.1 10.4 3.8 8.5 5.3 6.9	quad. ridge only (rounded quad. quad. triple triple triple triple (but rounded, triple
Rank 1 2 3 4 5 6 7 8 9	Name Mt. Wilhelm Gunung Kinabalu Yushan Phou Bia Jirisan Hokusuihaku-san Doi Inthanon Phnom Aural Fansipan	Elev. (m) 4509 4095 3952 2819 1915 2522 2565 1813 3143	Region Papua NG Borneo Taiwan Laos South Korea (mainland North Korea (non-volc.) Thailand Cambodia Vietnam	Location 5.8000 S, 145.0333 E 6.0724 N, 116.5616 E 23.4700 N, 120.9573 E 18.9796 N, 103.1515 E 35.3370 N, 127.7167 E 40.7105 N, 127.7505 E 18.5922 N, 98.4867 E 12.0333 N, 104.1667 E 22.3033 N, 103.7750 E	Shortest Ridge 7.8 9.1 10.4 3.8 8.5 5.3 6.9 8.7	quad. ridge only (rounded quad. triple triple triple (but rounded, triple triple
Rank 1 2 3 4 5 6 7 8 9 9	Name Mt. Wilhelm Gunung Kinabalu Yushan Phou Bia Jirisan Hokusuihaku-san Doi Inthanon Phnom Aural Fansipan Pulag	Elev. (m) 4509 4095 3952 2819 1915 2522 2565 1813 3143 2922	Region Papua NG Borneo Taiwan Laos South Korea (mainland North Korea (non-volc.) Thailand Cambodia Vietnam Luzon	Location 5.8000 S, 145.0333 E 6.0724 N, 116.5616 E 23.4700 N, 120.9573 E 18.9796 N, 103.1515 E 35.3370 N, 127.7167 E 40.7105 N, 127.7505 E 18.5922 N, 98.4867 E 12.0333 N, 104.1667 E	Shortest Ridge 7.8 9.1 10.4 3.8 8.5 5.3 6.9 8.7	quad. ridge only (rounded quad. quad. triple triple triple triple (but rounded, triple
Rank 1 2 3 4 5 6 7 8 9 9	Name Mt. Wilhelm Gunung Kinabalu Yushan Phou Bia Jirisan Hokusuihaku-san Doi Inthanon Phnom Aural Fansipan	Elev. (m) 4509 4095 3952 2819 1915 2522 2565 1813 3143 2922	Region Papua NG Borneo Taiwan Laos South Korea (mainland North Korea (non-volc.) Thailand Cambodia Vietnam Luzon	Location 5.8000 S, 145.0333 E 6.0724 N, 116.5616 E 23.4700 N, 120.9573 E 18.9796 N, 103.1515 E 35.3370 N, 127.7167 E 40.7105 N, 127.7505 E 18.5922 N, 98.4867 E 12.0333 N, 104.1667 E 22.3033 N, 103.7750 E	Shortest Ridge 7.8 9.1 10.4 3.8 8.5 5.3 6.9 8.7	quad. ridge only (rounded quad. triple triple triple (but rounded, triple triple
Rank 1 2 3 4 5 6 7 8 9 10 <b>1 peal</b>	Name Mt. Wilhelm Gunung Kinabalu Yushan Phou Bia Jirisan Hokusuihaku-san Doi Inthanon Phnom Aural Fansipan Pulag K is ridge-only. Triple/	Elev. (m) 4509 4095 3952 2819 1915 2522 2565 1813 3143 2922 quad = 90	Region Papua NG Borneo Taiwan Laos South Korea (mainland North Korea (non-volc.) Thailand Cambodia Vietnam Luzon	Location 5.8000 S, 145.0333 E 6.0724 N, 116.5616 E 23.4700 N, 120.9573 E 18.9796 N, 103.1515 E 35.3370 N, 127.7167 E 40.7105 N, 127.7505 E 18.5922 N, 98.4867 E 12.0333 N, 104.1667 E 22.3033 N, 103.7750 E 16.5971 N, 120.8995 E	Shortest Ridge 7.8 9.1 10.4 3.8 8.5 5.3 6.9 8.7 1.4	quad. ridge only (rounded quad. triple triple triple (but rounded, triple triple
Rank           1           2           3           4           5           6           7           8           9           10           1 peal           GROU	Name Mt. Wilhelm Gunung Kinabalu Yushan Phou Bia Jirisan Hokusuihaku-san Doi Inthanon Phnom Aural Fansipan Pulag K is ridge-only. Triple/	Elev. (m) 4509 4095 3952 2819 1915 2522 2565 1813 3143 2922 quad = 90 In Austral	Region         Papua NG         Borneo         Taiwan         Laos         South Korea (mainland         North Korea (non-volc.)         Thailand         Cambodia         Vietnam         Luzon         %.	Location 5.8000 S, 145.0333 E 6.0724 N, 116.5616 E 23.4700 N, 120.9573 E 18.9796 N, 103.1515 E 35.3370 N, 127.7505 E 18.5922 N, 98.4867 E 12.0333 N, 104.1667 E 22.3033 N, 103.7750 E 16.5971 N, 120.8995 E (5) in Victoria, AU (all	Shortest Ridge 7.8 9.1 10.4 3.8 8.5 5.3 6.9 8.7 1.4 <i>fluvial)</i>	quad. ridge only (rounded quad. triple triple triple (but rounded, triple triple triple
Rank           1           2           3           4           5           6           7           8           9           10           1 peal           GROU           Rank	Name Mt. Wilhelm Gunung Kinabalu Yushan Phou Bia Jirisan Hokusuihaku-san Doi Inthanon Phnom Aural Fansipan Pulag K is ridge-only. Triple/ P 5: Highest peaks (5) Name	Elev. (m) 4509 4095 3952 2819 1915 2522 2565 1813 3143 2922 quad = 90 in Austral Elev. (m)	Region         Papua NG         Borneo         Taiwan         Laos         South Korea (mainland         North Korea (non-volc.)         Thailand         Cambodia         Vietnam         Luzon         %.         ia and highest peaks         Region	Location 5.8000 S, 145.0333 E 6.0724 N, 116.5616 E 23.4700 N, 120.9573 E 18.9796 N, 103.1515 E 35.3370 N, 127.7167 E 40.7105 N, 127.7505 E 18.5922 N, 98.4867 E 12.0333 N, 104.1667 E 22.3033 N, 103.7750 E 16.5971 N, 120.8995 E (5) in Victoria, AU (all Location	Shortest Ridge 7.8 9.1 10.4 3.8 8.5 5.3 6.9 8.7 1.4	quad. ridge only (rounded quad. triple triple (but rounded, triple triple triple triple Peak type
Rank           1           2           3           4           5           6           7           8           9           10           1 peal           GROU           Rank           1	Name Mt. Wilhelm Gunung Kinabalu Yushan Phou Bia Jirisan Hokusuihaku-san Doi Inthanon Phnom Aural Fansipan Pulag K is ridge-only. Triple/ P 5: Highest peaks (5) Name Mt. Kosculszko	Elev. (m) 4509 4095 3952 2819 1915 2522 2565 1813 3143 2922 quad = 90 in Austral Elev. (m) 2228	Region         Papua NG         Borneo         Taiwan         Laos         South Korea (mainland         North Korea (non-volc.)         Thailand         Cambodia         Vietnam         Luzon         %.         Ta and highest peaks         Region         New South Wales	Location 5.8000 S, 145.0333 E 6.0724 N, 116.5616 E 23.4700 N, 120.9573 E 18.9796 N, 103.1515 E 35.3370 N, 127.7167 E 40.7105 N, 127.7505 E 18.5922 N, 98.4867 E 12.0333 N, 104.1667 E 22.3033 N, 103.7750 E 16.5971 N, 120.8995 E (5) in Victoria, AU (all Location 36.4559 S, 148.2633 E	Shortest Ridge 7.8 9.1 10.4 3.8 8.5 5.3 6.9 8.7 1.4 <i>fluvial</i> ) Shortest Ridge	quad. ridge only (rounded quad. triple triple (but rounded) triple triple triple triple triple triple triple triple triple triple
Rank           1           2           3           4           5           6           7           8           9           10           1 peal           GROU           Rank           1           2	Name Mt. Wilhelm Gunung Kinabalu Yushan Phou Bia Jirisan Hokusuihaku-san Doi Inthanon Phnom Aural Fansipan Pulag K is ridge-only. Triple/ P 5: Highest peaks (5) Name Mt. Kosculszko Mt. Townsend	Elev. (m) 4509 4095 3952 2819 1915 2522 2565 1813 3143 2922 quad = 90 0 in Austral Elev. (m) 2228 2209	Region Papua NG Borneo Taiwan Laos South Korea (mainland North Korea (non-volc.) Thailand Cambodia Vietnam Luzon %. ia and highest peaks Region New South Wales New South Wales	Location 5.8000 S, 145.0333 E 6.0724 N, 116.5616 E 23.4700 N, 120.9573 E 18.9796 N, 103.1515 E 35.3370 N, 127.7167 E 40.7105 N, 127.7505 E 18.5922 N, 98.4867 E 12.0333 N, 104.1667 E 22.3033 N, 103.7750 E 16.5971 N, 120.8995 E (5) in Victoria, AU (all Location 36.4559 S, 148.2633 E 36.4228 S, 148.2586 E	Shortest Ridge 7.8 9.1 10.4 3.8 8.5 5.3 6.9 8.7 1.4 <i>fluvial</i> ) Shortest Ridge 6.9	quad. ridge only (rounded quad. quad. triple triple triple triple triple triple triple triple triple triple triple triple triple triple triple triple
Rank           1           2           3           4           5           6           7           8           9           10           1 peal           GROU           Rank           1           2           3	Name Mt. Wilhelm Gunung Kinabalu Yushan Phou Bia Jirisan Hokusuihaku-san Doi Inthanon Phnom Aural Fansipan Pulag K is ridge-only. Triple/ P 5: Highest peaks (5) Name Mt. Koscuiszko Mt. Townsend Mt. Townsend	Elev. (m) 4509 4095 3952 2819 1915 2522 2565 1813 3143 2922 quad = 90 1 in Austral Elev. (m) 2228 2209 2196	Region         Papua NG         Borneo         Taiwan         Laos         South Korea (mainland         North Korea (non-volc.)         Thailand         Cambodia         Vietnam         Luzon         %.         Ia and highest peaks         Region         New South Wales         New South Wales         New South Wales	Location 5.8000 S, 145.0333 E 6.0724 N, 116.5616 E 23.4700 N, 120.9573 E 18.9796 N, 103.1515 E 35.3370 N, 127.7167 E 40.7105 N, 127.7505 E 18.5922 N, 98.4867 E 12.0333 N, 104.1667 E 22.3033 N, 103.7750 E 16.5971 N, 120.8995 E <b>(5) in Victoria, AU (all)</b> Location 36.4559 S, 148.2633 E 36.4228 S, 148.2586 E 36.3933 S, 148.3147 E	Shortest Ridge 7.8 9.1 10.4 3.8 8.5 5.3 6.9 8.7 1.4 <i>fluvial</i> ) Shortest Ridge 6.9 3.0	quad. ridge only (rounded quad. quad. triple
Rank           1           2           3           4           5           6           7           8           9           10           1 peal           GROU           Rank           1           2           3           4	Name Mt. Wilhelm Gunung Kinabalu Yushan Phou Bia Jirisan Hokusuihaku-san Doi Inthanon Phnom Aural Fansipan Pulag K is ridge-only. Triple/ P 5: Highest peaks (5) Name Mt. Kosculszko Mt. Townsend Mt. Townsend Mt. Townam Rams Head	Elev. (m) 4509 4095 3952 2819 1915 2522 2565 1813 3143 2922 quad = 90 in Austral Elev. (m) 2228 2209 2196 2190	Region         Papua NG         Borneo         Taiwan         Laos         South Korea (mainland         North Korea (non-volc.)         Thailand         Cambodia         Vietnam         Luzon         %.         Ia and highest peaks         Region         New South Wales	Location 5.8000 S, 145.0333 E 6.0724 N, 116.5616 E 23.4700 N, 120.9573 E 18.9796 N, 103.1515 E 35.3370 N, 127.7167 E 40.7105 N, 127.7505 E 18.5922 N, 98.4867 E 12.0333 N, 104.1667 E 22.3033 N, 103.7750 E 16.5971 N, 120.8995 E <b>(5) in Victoria, AU (all)</b> Location 36.4559 S, 148.2633 E 36.4228 S, 148.2586 E 36.3933 S, 148.3147 E 36.3930 S, 148.3150 E	Shortest Ridge 7.8 9.1 10.4 3.8 8.5 5.3 6.9 8.7 1.4 <i>fluvial</i> ) Shortest Ridge 6.9 3.0	quad. ridge only (rounded quad. quad. triple triple triple triple triple triple triple triple triple triple triple triple triple (but rounded triple triple triple triple (low relief) quad. (low relief) triple (low relief)
Rank           1           2           3           4           5           6           7           8           9           10           1 peal           GROU           Rank           1           2           3           4           5	Name Mt. Wilhelm Gunung Kinabalu Yushan Phou Bia Jirisan Hokusuihaku-san Doi Inthanon Phnom Aural Fansipan Pulag K is ridge-only. Triple/ P 5: Highest peaks (5) Name Mt. Kosculszko Mt. Townsend Mt. Townsend Mt. Twynam Rams Head Jagungal	Elev. (m) 4509 4095 3952 2819 1915 2522 2565 1813 3143 2922 quad = 90 0 in Austral Elev. (m) 2228 2209 2196 2190 2061	Region         Papua NG         Borneo         Talwan         Laos         South Korea (mainland         North Korea (non-volc.)         Thailand         Cambodia         Vietnam         Luzon         %o.         ia and highest peaks         Region         New South Wales	Location 5.8000 S, 145.0333 E 6.0724 N, 116.5616 E 23.4700 N, 120.9573 E 18.9796 N, 103.1515 E 35.3370 N, 127.7167 E 40.7105 N, 127.7505 E 18.5922 N, 98.4867 E 12.0333 N, 104.1667 E 22.3033 N, 103.7750 E 16.5971 N, 120.8995 E <b>(5) in Victoria, AU (all Location</b> 36.4559 S, 148.2633 E 36.3933 S, 148.3147 E 36.3930 S, 148.3150 E 36.1486 S, 148.3877 E	Shortest Ridge 7.8 9.1 10.4 3.8 8.5 5.3 6.9 8.7 1.4 fluvial) Shortest Ridge 6.9 3.0 3.0 2.9	quad. ridge only (rounded quad. quad. triple triple (but rounded, triple triple triple triple Peak type ridge only (rounded triple (low relief) quad. (low relief) ridge only (rounded
Rank 1 2 3 4 5 6 7 8 9 10 1 peal GROU Rank 1 2 3 4 5 6 7 8 9 10 1 peal 5 6 7 8 9 10 1 9 10 1 9 10 1 10 10 10 10 10 10 10 10	Name Mt. Wilhelm Gunung Kinabalu Yushan Phou Bia Jirisan Hokusuihaku-san Doi Inthanon Phnom Aural Fansipan Pulag K is ridge-only. Triple/ P 5: Highest peaks (5) Name Mt. Koscuiszko Mt. Townsend Mt. Townsend Mt. Twynam Rams Head Jagungal Mt. Bagong	Elev. (m) 4509 4095 3952 2819 1915 2522 2565 1813 3143 2922 quad = 90 in Austral Elev. (m) 2228 2209 2196 2196 2196 2190 2061 1986	Region         Papua NG         Borneo         Taiwan         Laos         South Korea (mainland         North Korea (non-volc.)         Thailand         Cambodia         Vietnam         Luzon         %.         Ia and highest peaks         Region         New South Wales         New South Wales	Location 5.8000 S, 145.0333 E 6.0724 N, 116.5616 E 23.4700 N, 120.9573 E 18.9796 N, 103.1515 E 35.3370 N, 127.7167 E 40.7105 N, 127.7505 E 18.5922 N, 98.4867 E 12.0333 N, 104.1667 E 22.3033 N, 104.1667 E 22.3033 N, 103.7750 E 16.5971 N, 120.8995 E <b>(5) in Victoria, AU (all Location</b> 36.4559 S, 148.2633 E 36.3933 S, 148.3147 E 36.3930 S, 148.3150 E 36.1486 S, 148.3877 E 36.7333 S, 147.3060 E	Shortest Ridge 7.8 9.1 10.4 3.8 8.5 5.3 6.9 8.7 1.4 <i>fluvial)</i> Shortest Ridge 6.9 3.0 2.9 3.8	quad. ridge only (rounded quad. triple triple triple (but rounded, triple triple triple triple triple triple <b>Peak type</b> ridge only (rounded triple (low relief) quad. (low relief) ridge only (rounded quad.
Rank           1           2           3           4           5           6           7           8           9           10           1 peal           GROU           Rank           1           2           3           4           5           6           7	Name Mt. Wilhelm Gunung Kinabalu Yushan Phou Bia Jirisan Hokusuihaku-san Doi Inthanon Phnom Aural Fansipan Pulag K is ridge-only. Triple/ P 5: Highest peaks (5) Name Mt. Koscuiszko Mt. Townsend Mt. Townsend Mt. Twynam Rams Head Jagungal Mt. Bagong Mt. Feathertop	Elev. (m) 4509 4095 3952 2819 1915 2522 2565 1813 3143 2922 quad = 90 in Austral Elev. (m) 2228 2209 2196 2190 2061 1986 1922	Region         Papua NG         Borneo         Taiwan         Laos         South Korea (mainland         North Korea (non-volc.)         Thailand         Cambodia         Vietnam         Luzon         %.         Ia and highest peaks         Region         New South Wales         Victoria         Victoria	Location 5.8000 S, 145.0333 E 6.0724 N, 116.5616 E 23.4700 N, 120.9573 E 18.9796 N, 103.1515 E 35.3370 N, 127.7167 E 10.7105 N, 127.7505 E 18.5922 N, 98.4867 E 12.0333 N, 104.1667 E 22.3033 N, 103.7750 E 16.5971 N, 120.8995 E <b>(5) in Victoria, AU (all)</b> Location 36.4559 S, 148.2633 E 36.4228 S, 148.2586 E 36.3933 S, 148.3147 E 36.3933 S, 148.3150 E 36.1486 S, 148.3877 E 36.7333 S, 147.3060 E 36.8948 S, 147.1365 E	Shortest Ridge 7.8 9.1 10.4 3.8 8.5 5.3 6.9 8.7 1.4 fluvial) Shortest Ridge 6.9 3.0 2.9 3.8 4.8	quad. ridge only (rounded quad. triple triple (but rounded triple triple triple triple triple triple <b>Peak type</b> ridge only (rounded triple (low relief) quad. (low relief) triple
Rank           1           2           3           4           5           6           7           8           9           10           1 peak           6           7           8           9           10           1 peak           6           7           3           4           5           6           7           8           7           8	Name Mt. Wilhelm Gunung Kinabalu Yushan Phou Bia Jirisan Hokusuihaku-san Doi Inthanon Phnom Aural Fansipan Pulag K is ridge-only. Triple/ P 5: Highest peaks (5) Name Mt. Koscuiszko Mt. Townsend Mt. Townsend Mt. Twynam Rams Head Jagungal Mt. Bagong Mt. Feathertop Mt. Hotham	Elev. (m) 4509 4095 3952 2819 1915 2522 2565 1813 3143 2922 quad = 90 in Austral Elev. (m) 2228 2209 2196 2190 2061 1986 1922 1861	Region         Papua NG         Borneo         Taiwan         Laos         South Korea (mainland         North Korea (non-volc.)         Thailand         Cambodia         Vietnam         Luzon         %.         Ia and highest peaks         Region         New South Wales         Net South Wales         Net South Wales         Net South Wales         Net South Wales	Location 5.8000 S, 145.0333 E 6.0724 N, 116.5616 E 23.4700 N, 120.9573 E 18.9796 N, 103.1515 E 35.3370 N, 127.7167 E 40.7105 N, 127.7505 E 18.5922 N, 98.4867 E 12.0333 N, 104.1667 E 22.3033 N, 103.7750 E 16.5971 N, 120.8995 E <b>(5) in Victoria, AU (all)</b> Location 36.4559 S, 148.2633 E 36.4228 S, 148.2586 E 36.3933 S, 148.3147 E 36.3930 S, 148.3150 E 36.1486 S, 148.3877 E 36.8948 S, 147.1365 E 36.9759 S, 147.1312 E	Shortest Ridge 7.8 9.1 10.4 3.8 8.5 5.3 6.9 8.7 1.4 fluvial) Shortest Ridge 6.9 3.0 2.9 3.0 2.9 3.8 4.8 1.6	quad. ridge only (rounded quad. triple triple (but rounded) triple triple triple triple triple triple <b>Peak type</b> ridge only (rounded triple (low relief) quad. (low relief) ridge only (rounded quad.
Rank           1           2           3           4           5           6           7           8           9           10           1 peal           GROU           Rank           1           2           3           4           5           6           7           8           9           10           1           2           3           4           5           6           7           8           9	Name Mt. Wilhelm Gunung Kinabalu Yushan Phou Bia Jirisan Hokusuihaku-san Doi Inthanon Phnom Aural Fansipan Pulag K is ridge-only. Triple/ P 5: Highest peaks (5) Name Mt. Koscuiszko Mt. Townsend Mt. Townsend Mt. Twynam Rams Head Jagungal Mt. Bagong Mt. Feathertop	Elev. (m) 4509 4095 3952 2819 1915 2522 2565 1813 3143 2922 quad = 90 in Austral Elev. (m) 2228 2209 2196 2190 2061 1986 1922	Region         Papua NG         Borneo         Taiwan         Laos         South Korea (mainland         North Korea (non-volc.)         Thailand         Cambodia         Vietnam         Luzon         %.         Ia and highest peaks         Region         New South Wales         Victoria         Victoria	Location 5.8000 S, 145.0333 E 6.0724 N, 116.5616 E 23.4700 N, 120.9573 E 18.9796 N, 103.1515 E 35.3370 N, 127.7167 E 10.7105 N, 127.7505 E 18.5922 N, 98.4867 E 12.0333 N, 104.1667 E 22.3033 N, 103.7750 E 16.5971 N, 120.8995 E <b>(5) in Victoria, AU (all)</b> Location 36.4559 S, 148.2633 E 36.4228 S, 148.2586 E 36.3933 S, 148.3147 E 36.3933 S, 148.3150 E 36.1486 S, 148.3877 E 36.7333 S, 147.3060 E 36.8948 S, 147.1365 E	Shortest Ridge 7.8 9.1 10.4 3.8 8.5 5.3 6.9 8.7 1.4 fluvial) Shortest Ridge 6.9 3.0 2.9 3.0 2.9 3.8 4.8 1.6	quad. ridge only (rounded quad. triple triple (but rounded, triple triple triple triple triple triple <b>Peak type</b> ridge only (rounded triple (low relief) quad. (low relief) triple

<u></u>	D.C. Wahaat a sa		-f			
				al/South America (* = g		Deelstree
	Name Como Chimino	Elev. (m)		Location	Shortest Ridge	
	Cerro Chirripo Mogoton	3820 2107	Costa Rica	9.4841 N, 83.4887 W 13.7629 N, 86.3985 W		triple triple
	Cristobal Colon*	5700	Nicaraugua Colombia			
	Bolivar	4981	Venezuela	10.8383 N, 73.6867 W 8.5411 N, 71.0465 W	1	quad.
	Neblina		1	0.8005 N, 66.0075 W		quad. quad.
		2994	Brazil			1
	Cerro Pero	842	Paraguay	25.9017 N, 56.1600 W		triple
	Aconcagua* Picos de Barroso*^	6962	Argentina	32.6534 S, 70.0111 W	)	quad.
		5142	Andes, Arg/Chile	34.2868 S, 70.0332 W		triple
9	Yerupaja*	6635	Peru	10.2687 S, 76.9056 W		triple
10	Illimani*	6438	Bolivia	16.6333 S, 67.7908 W	4.5	quad.
	^approximate highes		<u> </u>			
No pe	aks are ridge-only.	Triple/quad =	= 100%.			
	<u> </u>				· · · · · · · · · · · · · · · · · · ·	
				n the San Gabriel Mtns.,		
	Name Mb. Con Antonio	Elev. (m)	·	Location	Shortest Ridge	
	Mt. San Antonio	3051	San Gabriel Mtns.	34.2891 N, 117.6462 W		quad.
	Pine Mt.	2947	San Gabriel Mtns.	34.3137 N, 117.6443 W		triple
	Dawson Pk.	2914	San Gabriel Mtns.	34.3033 N, 117.6362 W		triple
	Mt. Baden Powell	2862	San Gabriel Mtns.	34.3585 N, 117.7646 W		triple
	Throop Pk.	2786	San Gabriel Mtns.	34.3506 N, 117.7992 W		quad.
	Telegraph Pk.	2738	San Gabriel Mtns.	34.2616 N, 117.5985 W	(	quad.
	Cucamonga Pk.	2703	San Gabriel Mtns.	34.2226 N, 117.5853 W	6.7	triple
	Ontario Mt.	2651	San Gabriel Mtns.	34.2277 N, 117.6241 W		ridge only
	Timber Mt.	2522	San Gabriel Mtns.	34.2448 N, 117.5935 W		quad.
10	Mt. Williamson	2516	San Gabriel Mtns.	34.3754 N, 117.8639 W	0.9	triple
11	Mt. Islip	2508	San Gabriel Mtns.	34.3452 N, 117.8399 W	2.0	triple
12	Waterman Mt.	2445	San Gabriel Mtns.	34.3364 N, 117.9368 W		ridge only (rounded)
13	Iron Mtn.	2438	San Gabriel Mtns.	34.2884 N, 117.7134 W	4.3	quad.
14	no name	2432	San Gabriel Mtns.	34.3898 N, 117.9092 W	3.6	triple
15	Pallett Mtn.	2372	San Gabriel Mtns.	34.3856 N, 117.8855 W		triple
	Twin Peks East	2364	San Gabriel Mtns.	34.3159 N, 117.9267 W		triple
	Kratka Ridge	2290	San Gabriel Mtns.	34.3469 N, 117.8991 W		triple
	Table Mtn.	2281	San Gabriel Mtns.	34.3824 N, 117.6851 W		ridge only
	Winston Peak	2270	San Gabriel Mtns.	34.3578 N, 117.9359 W		ridge only (rounded)
	Pacifico	2163	San Gabriel Mtns.	34.3820 N, 118.0346 W		triple
	Mt. Gleason	1989	San Gabriel Mtns.	34.3762 N, 118.1769 W		triple
	Bare Mt.	1989	San Gabriel Mtns.	34.3469 N, 117.9925 W		triple
	(					
	Strawberry Pk.	1878	San Gabriel Mtns.	34.2835 N, 118.1206 W		quad.
	San Gabriel Pk.	1857	San Gabriel Mtns. San Gabriel Mtns.	34.2435 N, 118.0984 W		quad.
	Mt. Lawlor	1814		34.2706 N, 118.1039 W		quad.
	Sunset Pk.	1767	San Gabriel Mtns.	34.2167 N, 117.6894 W		triple
	Rattlesnake Pk.	1763	San Gabriel Mtns.	34.2719 N, 117.7769 W		quad.
	Mt. Wilson	1739	San Gabriel Mtns.	34.2239 N, 118.0615 W		triple
	Iron Mtn.	1716	San Gabriel Mtns.	34.3488 N, 118.2292 W		quad.
	Condor Peak	1651	San Gabriel Mtns.	34.3256 N, 118.2193 W		triple
	Josephine Pk.	1643	San Gabriel Mtns.	34.2870 N, 118.1542 W		triple
	Monrovia Pk.	1640	San Gabriel Mtns.	34.2138 N, 117.9685 W	6.3	triple
	Mt. Lukens	1542	San Gabriel Mtns.	34.2691 N, 118.2391 W		triple
	Snow Mt.	1508	San Gabriel Mtns.	34.3958 N, 118.2720 W	1.7	triple
35	Magic Mtn.	1484	San Gabriel Mtns.	34.3865 N, 118.3293 W	3.2	quad.
36	Yerba Buena Ridge	1181	San Gabriel Mtns.	34.3042 N, 118.2983 W	2.9	quad.
4 pea	ks are ridge-only. Ti	riple/quad =	89%.		1	
	<b>---</b>		[	1	1	
			1		+	
GROU	P 8: All peaks with	prominence >	500 m in the Mt. Eve	erest area of Himlaya (se	ee Figure) (all a	lacial)
	Name		Region	Location	Shortest Ridge	
	Everest	8848	Himalaya	27.9881 N, 86.9253 E	}	triple
	Lhotse	8516	Himalaya	27.9617 N, 86.9331 E		triple
	Makalu	8485	Himalaya	27.8897 N, 87.0889 E		triple
	Nuptse	7864	Himalaya	27.9675 N, 86.8869 E		triple
	Chomo Lonzo	7804	Himalaya	27.9306 N, 87.1078 E		triple, almost quad.
	Changtse	7543	Himalaya	28.0247 N, 86.9142 E		quad.
		7343	A			
	Chamlong Kharta Dhu		Himalaya	27.7761 N, 86.9799 E		triple
	Kharta Phu	7184	Himalaya	28.0637 N, 86.9767 E	b.2	triple
	Baruntse	7128	Himalaya	27.8716 N, 86.9802 E		ridge only
	no name	6848	Himalaya	28.0692 N, 86.8994 E		triple
	Hongku Chuli	6790	Himalaya	27.8175 N, 87.0089 E		triple
	Ama Dablam	6776	Himalaya	27.8616 N, 86.8614 E	31	quad.

16         no name         6693         Himalaya         27.9576 N, 87.0165 E         3.3         triple           17         no name         6688         Himalaya         27.8268 N, 87.0483 E         2.4         triple           18         Cho Pulo         6658         Himalaya         27.9195 N, 86.9811 E         1.9         triple           19         no name         6598         Himalaya         27.7743 N, 86.9087 E         2.5         triple           20         Thamserku         6568         Himalaya         27.7743 N, 86.9087 E         2.5         triple           21         no name         6503         Himalaya         27.8078 N, 86.7852 E         3.7         triple           21         no name         6503         Himalaya         27.8078 N, 86.8668 E         2.8         quad.           22         no name         6380         Himalaya         27.7309 N, 86.7893 E         6.2         triple           23         Mt. Kanguru         6334         Himalaya         27.7309 N, 86.7893 E         6.2         triple           24         no name         6252         Himalaya         27.7273 N, 87.0074 E         25.8         triple           25         Tuolakangboqie         6121		Kyashar	6723	Himalaya	27.7549 N, 86.8229 E	1.8 triple
17         no name         6688         Himalaya         27.8268 N, 87.0483 E         2.4         triple           18         Cho Pulo         6658         Himalaya         27.9195 N, 86.9811 E         1.9         triple           19         no name         6598         Himalaya         27.7743 N, 86.9087 E         2.5         triple           20         Thamserku         6568         Himalaya         27.77899 N, 86.7852 E         3.7         triple           21         no name         6503         Himalaya         27.8078 N, 86.8668 E         2.8         quad.           22         no name         6303         Himalaya         27.8366 N, 87.1415 E         2.9         triple           23         Mt. Kanguru         6334         Himalaya         27.7273 N, 87.0074 E         25.8         triple           24         no name         6252         Himalaya         27.7273 N, 87.0074 E         25.8         triple           25         Tuolakangboqie         6121         Himalaya         28.0688 N, 87.1642 E         1.0         triple	5		6694	Himalaya	27.7720 N, 87.0989 E	2.9 triple
18         Cho Pulo         6658         Himalaya         27.9195 N, 86.9811 E         1.9         triple           19         no name         6598         Himalaya         27.7743 N, 86.9087 E         2.5         triple           20         Thamserku         6568         Himalaya         27.7899 N, 86.7852 E         3.7         triple           21         no name         6503         Himalaya         27.8078 N, 86.8668 E         2.8         quad.           22         no name         6380         Himalaya         27.8366 N, 87.1415 E         2.9         triple           23         Mt. Kanguru         6334         Himalaya         27.7273 N, 87.0074 E         25.8         triple           24         no name         6252         Himalaya         27.7273 N, 87.0074 E         25.8         triple           25         Tuolakangboqie         6121         Himalaya         28.0688 N, 87.1642 E         1.0         triple	- 1			1		(- <b>r</b> -
19         no name         6598         Himalaya         27.7743 N, 86.9087 E         2.5         triple           20         Thamserku         6568         Himalaya         27.7899 N, 86.7852 E         3.7         triple           21         no name         6503         Himalaya         27.8078 N, 86.8668 E         2.8         quad.           22         no name         6380         Himalaya         27.8366 N, 87.1415 E         2.9         triple           23         Mt. Kanguru         6334         Himalaya         27.7730 N, 86.7893 E         6.2         triple           24         no name         6252         Himalaya         27.7273 N, 87.0074 E         25.8         triple           25         Tuolakangboqie         6121         Himalaya         28.0688 N, 87.1642 E         1.0         triple	(			( <b>1</b>		
20         Thamserku         6568         Himalaya         27.7899 N, 86.7852 E         3.7         triple           21         no name         6503         Himalaya         27.8078 N, 86.8668 E         2.8         quad.           22         no name         6380         Himalaya         27.7309 N, 86.7853 E         2.9         triple           23         Mt. Kanguru         6334         Himalaya         27.7309 N, 86.7893 E         6.2         triple           24         no name         6252         Himalaya         27.7273 N, 87.0074 E         25.8         triple           25         Tuolakangboqie         6121         Himalaya         28.0688 N, 87.1642 E         1.0         triple				) /		
21         no name         6503         Himalaya         27.8078 N, 86.8668 E         2.8         quad.           22         no name         6380         Himalaya         27.8366 N, 87.1415 E         2.9         triple           23         Mt. Kanguru         6334         Himalaya         27.7309 N, 86.7893 E         6.2         triple           24         no name         6252         Himalaya         27.7273 N, 87.0074 E         25.8         triple						· ·
22 no name         6380         Himalaya         27.8366 N, 87.1415 E         2.9         triple           23 Mt. Kanguru         6334         Himalaya         27.7309 N, 86.7893 E         6.2         triple           24 no name         6252         Himalaya         27.7273 N, 87.0074 E         25.8         triple           25 Tuolakangboqie         6121         Himalaya         28.0688 N, 87.1642 E         1.0         triple						//
23         Mt. Kanguru         6334         Himalaya         27.7309 N, 86.7893 E         6.2         triple           24         no name         6252         Himalaya         27.7273 N, 87.0074 E         25.8         triple           25         Tuolakangboqie         6121         Himalaya         28.0688 N, 87.1642 E         1.0         triple						
24 no name         6252         Himalaya         27.7273 N, 87.0074 E         25.8         triple           25 Tuolakangboqie         6121         Himalaya         28.0688 N, 87.1642 E         1.0         triple				, ,		
25 Tuolakangboqie 6121 Himalaya 28.0688 N, 87.1642 E 1.0 <i>triple</i>						· · · · · · · · · · · · · · · · · · ·
peaks is ridge-only. Triple/quad = 96%. Six peaks in bold are counted above for the synthesis below.		5 1		, ,		
	peak	s is ridge-only. Trip	le/quad = 9	96%. Six peaks i	in bold are counted above for the	synthesis below.

Location	Denudation rate (mm/yr)*	References
Coast Range, B.C.	0.5	1, 2
St. Elias, AK	1.5	3
Mt. Everest, Nep.	1.0	4
Alps, Swtz.	0.2	5,6
Highlands, Scot.	0.05	7,8
Chugach R., AK	0.2	9
Alaska R., AK	1.0	10
Nanga Parbat, Pak.	5.0	11,12
Tierra d. Fuego	1.0	13,14
S. Alps, NZ	3.0	15,16
Smoky Mtn., NC	0.04	17
San Gabriel Mtn., CA	2.0	18
Central Range, Taiw.	3.0	19,20
Caucasus, Russ./Geo	org. 0.5	21
Atlas Mtns., Morr.	0.2	22,23
Bermejo, Ecuad.	0.3	24,25
Lesser Himal., Nep.	0.3	26,27
Nanga Parbat, Pak.	1.0	11,12
Marsyandi, Nep.	3.0	28,29
King Range, CA	0.5	30

### Table DR-2: Location information.

Long-term erosion rates were interpreted from combinations of references and data types spanning a range of timescales, including thermochromometry, cosmochronometry, and sediment yields. In some cases, the rates used are reported directly from papers, but in other cases data were re-interpreted to provide a simple estimate of exhumation rate. This commonly required assumption of geothermal gradient and averaging regional data or using a geologically-controlled time of onset of orogenesis and the total exhumation since that time. For example, if low-temperature apatite (U-Th)/He cooling ages have not been reset in an area with a moderately high geothermal gradient and in which exhumation began 3 Ma, the total exhumation possible is likely <1.5 km/3 Ma = <0.5 mm/yr. In other cases, exhumation rates were assumed based on the gradient of age-elevation relationships. In many cases, constraints were not available in the exact area of the ridge maps, so extrapolation from neighboring areas was required (often from multiple sources and directions). As a result, the erosion rates used here should be treated as poorly constrained (e.g.  $\pm$ 100%). Although this is a large error, the erosion rates should be approximately correct (i.e. order of magnitude) and thus provide the means for at least a first-order comparison with ridge network metrics.

#### References

- 1) Ehlers, T.A., Farley, K.A., Rusmore, M.E., and Woodsworth, G.J., 2006, Apatite (U-Th)/He signal of largemagnitude accelerated glacial erosion, British Columbia, Geology, 34, 765-768.
- 2) Densmore, M.S., Ehlers, T.A., and Woodsworth, G.J., 2007, Effect of alpine glaciation on thermochronometer age-elevation profiles, Geophys. Res. Lett., 34, L02502.
- 3) Berger, A.L., and Spotila, J.A., 2008, Denudation and deformation of a glaciated orogenic wedge: The St. Elias orogen, Alaska, Geology, 36, 523-526.
- 4) Bergman, S.C., Coffield, D.Q., Donelick, R., Corrigan, J., Talbot, J., Cerveny, P., and Kelley, S., 1993, Late Cenozoic compressinoal and extensional cooling and exhumation of the Qomolagma (Mt. Everest) region, Nepal, Geol. Soc. Amer. Abstr. with Programs, 25, 6, A-176.
- 5) Cederborn, C.E., Sinclair, H.D., Schlunegger, F., and Rahn, M.K., 2004, Climate-induced rebound and exhumation of the European Alps, Geology, 32, 709-712.
- 6) Champagnac, J.D., Schlunegger, F., Norton, K., Blanckenburg, F., Abbuhl, L.M., and Schwab, M., 2009, Erosion-driven uplift of the modern Central Alps, Tectonophysics, 474, 236-249.
- 7) Thomson, K., Underhill, J.R., Green, P.F., Bray, R.J., and Gibson, H.J., 1999, Evidence from apatite fission track analysis for the post-Devonian burial and exhumation history of the northern Highlands, Scotland, Marine and Petroleum Geology, 16, 27-39.
- Persano, C., Stuart, F.M., Barfod, D.N., Bishop, P., ad Brown, R.W., 2005, Constraining denudation in Scotland by using a combination of low temperature thermochronometers, Goldschmidt Conference Abstracts, Geochimica et Cosmochimica Acta, 299.
- 9) Spotila, J.A., and Berger, A.L., 2010, Exhumation at orogenic indentor corners under long-term glacial conditions: Example of the St. Elias Orogen, Southern Alaska, Tectonophysics, 490, 241-256.
- 10) Benowtiz, J.A., Layer, P., Armstrong, P., Perry, S., Haeussler, P., Fitzgerald, P., and VanLaningham, S., 2011, Spatial variations in focused exhumation along a continental-scale strike-slip fault: The Denali fault of the eastern Alaska Range, Geosphere.

- 11) Zeitler, P.K., Koons, P.O., Bishop, M., Chamberlain, and 16 others, 2001, Crustal reworking at Nanga Parbat, Pakistan; metamorphic consequences of thermal-mechanical coupling facilitated by erosion, Tectonics, 20, 712-728.
- 12) Schneider, D.A., Zeitler, P.K., Kidd, W.S.F., Edwards, M.A., 2001, Geochronology constraints on the tectonic evolution and exhumation of Nanga Parbat, western Himalayan syntaxis, revisited, J. Geology, 109, 563-583.
- 13) Thomson, S.N., 2002, Late Cenozoic geomorphic and tectonic evolution of the Patagonian Andes between latitudes 42°S and 46°S: An appraisal based on fission-track results from the transpressional intra-arc Liquiñe-Ofqui fault zone, Geol. Soc. Amer. Bull., 114, 1159-1173.
- 14) Thomson, S.N., Brandon, M.T., Tomkin, J.H., Reiners, P.W., Vasquez, C., and Wilson, N., 2010, Glaciation as a destructive and constructive control on mountain building, Nature, 467, 313-317.
- 15) Little, T.A., Cox, S., Vry, J.K., and Batt, G., 2005, Variations in exhumation level and uplift rate along the oblique-slip Alpine fault, central Southern Alps, New Zealand, Geol. Soc. Amer. Bull., 117, 707-723.
- 16) Batt, G.E., Braun, J., Kohn, B.P., and McDougall, I., 2000, Thermochronological analysis of the dynamics of the Southern Alps, New Zealand, Geol. Soc. Amer. Bull., 112, 250-266.
- 17) Matmon, A., Bierman, P., Larsen, J., Southworth, S., Pavich, M., and Caffee, M., 2003, Temporally and spatially uniform rates of erosion in the southern Appalachian Great Smoky Mountains, Geology, 31, 155-158.
- 18) Spotila, J.A., House, M.A., Blythe, A.E., Niemi, N.A., Bank, G.C., 2002. Controls on the erosion and geomorphic evolution of the San Bernardino and San Gabriel Mountains, Southern California, in Contributions to crustal evolution of the Southwestern United States, Spec. Pap. Geol. Soc. Am., 365, 205-230.
- 19) Beyssac, O., Simoes, M., Avouac, J.P., Farley, K.A., Chen, Y.-G., Chan, Y.-C., and Goffe, B., 2007, Late Cenozoic metamorphic evolution and exhumation of Taiwan, Tectonics, 26, TC6001.
- 20) Fuller, C.W., Willett, S.D., Fisher, D., and Lu, C.Y., 2006, A thermomechanical wedge model of Taiwan constrained by fission-track thermochronometry, Tectonophysics, 425, 1-24.
- 21) Vincent, S.J., Carter, A., Lavrishchev, V.A., Rice, S.P., Barabadze, T.G., and Hovius, N., 2010, The exhumation of the western Greater Caucasus: a thermochronometric study, Geol. Mag., 148, 1-21.
- 22) Balestrieri, M.L., Moratti, G., Bigazzi, G., and Algouti, A., 2009, Neogene exhumation of the Marrakech High Atlas (Morocco) recorded by apatite fission-track analysis, Terra Nova, 21, 75-82.
- 23) Delcaillau, B., Laville, E., Amhrar, M., Namous, M., Dugue, O., and Pedoja, K., 2010, Quaternary evolution of the Marrakech High Atlas and morphotectonic evidence of activity along the Tizi n'Test fault, Morocco, Geomorphology, 118, 262-279.
- 24) Spikings, R.A., Winkler, W., Hughes, R.A., and Handler, R., 2005, Thermochronology of allochthonous terranes in Ecuador: Unravelling the accretionary and post-accretionary history of the Northern Andes, Tectonophysics, 399, 195-220.
- 25) Spikings, R.A., and Crowhurst, P.V., 2004, (U-Th)/He thermochronometric constraints on the late Miocene-Pliocene tectonic development of the northern Cordillera Real and the Interandean Depression, Ecuador, J. S. Amer. Earth Sci., 17, 239-251.
- 26) Patel, R.C., Kumar, Y., Lal, N., and Kumar, A., 2007, Thermotectonic history of the Chiplakot Crystalline Belt in the Lesser Himalaya, Kumaon, India: Constraints from apatite fission-track thermochronology, J. Asian Earth Sci., 29, 430-439.
- 27) Herman, F., Copeland, P., Avouac, J.-P., and Bollinger, L., 2010, Exhumation, crustal deformation, and thermal structure of the Nepal Himalaya derived from the inversion of thermochronological and thermobarometric data and modeling of the topography, J. Geophys. Res., 114, B06407.
- 28) Lave, J., and Avouac, J.P., 2001, Fluvial incision and tectonic uplift across the Himalayas of central Nepal, J. Geophys. Res., 106, 26,561-26,591.
- 29) Blythe, A.E., Burbank, D.W., Carter, A., Schmidt, K., Putkonen, J., 2007, Plio-Quaternary exhumation history of the central Nepalese Himalaya: 1. Apatite and zircon fission track and apatite (U-Th)/He analyses, Tectonics, 26, TC3002.
- 30) Dumitru, T.A., 1991, Major Quaternary uplift along the northermost San Andreas fault, King Range, northwestern California, Geology, 19, 526-529.

### Table DR-3: Results from ridge profiles.

Location	DJ=pks.	Max=DJ-pks.	Avg. slope	$\Psi_1$	$\Psi_2$			
	(	<u>Glacial</u>						
Coast Range, B.C.	55%	31%	10.7°	0.24	1.92			
St. Elias, AK	73%	32%	9.1°	0.20	1.74			
Mt. Everest, Nepal	83%	38%	19.3°	0.20	3.20			
Alps, Switzerland	71%	43%	10.9°	0.13	2.05			
Highlands, Scotland	88%	23%	6.7°	0.21	1.45			
Average	74%	33%	11.3°	0.20	2.07			
<u>Fluvial</u>								
Smoky Mtn., NC	68%	59%	1.6°	0.32	1.22			
San Gabriel Mtn., CA	68%	50%	9.3°	0.32	1.76			
Central Range, Taiwar	n 72%	52%	7.1°	0.30	1.49			
Caucasus, Georgia	73%	62%	8.1°	0.25	1.62			
Atlas Mtns., Morocco	62%	35%	7.8°	0.30	1.51			
Average	69%	52%	6.8°	0.30	1.52			
Overall average	72%	43%	9.0°	0.25	1.80			

 Overall average
 72%
 43%
 9.0°

 DJ=peaks: percent of divide junctions that occur at peaks.

Max=DJ-peaks: percent of all elevation maxima that are dividejunction peaks.

Avg. slope: slope of the ridge along the profile.  $\Psi_1$ : topographic roughness #1; unit distance (relative to entire profile over which half of the ridge's relief is attained (low value = rougher).  $\Psi_2$ : topographic roughness #2; vertical irregularity (akin to sinuosity) of

profile, measured at 8x vertical exaggeration (high value = rougher).

#### Table DR-4: Results from ridge maps.

Location	ρ (km <sup>-1</sup> )	γ (km <sup>-2</sup> )	<u>χ (km<sup>-1</sup>)</u>	Sin.	Relief (m)	Denud.
			acial			
Coast Range, British Co.	0.358	0.029	0.080	1.33	4019	0.5
St. Elias, AK	0.236	0.018	0.078	1.23	2502	1.5
Mt. Everest, Nepal	0.285	0.024	0.083	1.22	7450	1.0
Alps, Switzerland	0.268	0.022	0.084	1.23	3920	0.2
Highlands, Scotland*	0.279	0.014*	0.050*	-	1060	0.05
Chugach Range, AK*	0.244	0.012*	0.051*	1.35	2139	0.2
Alaska Range, AK	0.254	0.021	0.082	1.40	5493	1.0
Nanga Parbat, Pakistan	0.308	0.033	0.107	1.21	5526	5.0
Tierra d. Fuego	0.238	0.017	0.073	1.35	2520	1.0
S. Alps, New Zealand	0.269	0.025	0.093	1.21	3680	3.0
Average	0.274	0.022	0.078	1.28		
R <sup>2</sup> vs. relief**	0.11	0.44	0.46	0.07		
R <sup>2</sup> vs. denudation rate**	0.03	0.48	0.63	0.25		
		<u>Flu</u>	<u>ivial</u>			
Smoky Mtn., NC	0.235	0.019	0.082	1.19	1750	0.04
San Gabriel Mtn., CA	0.311	0.025	0.080	1.24	2580	2.0
Central Range, Taiwan	0.302	0.028	0.093	1.27	3750	3.0
Caucasus, Georgia	0.299	0.028	0.094	1.18	3615	0.5
Atlas Mtns., Morocco*	0.282	0.016*	0.055*	1.19	3367	0.2
Bermejo, Ecuador*	0.304	0.018*	0.058*	1.24	3540	0.3
Lesser Himalaya, Nepal	0.257	0.017	0.065	1.23	4360	0.3
Nanga Parbat, Pakistan	0.307	0.024	0.078	1.20	3700	1.0
Marsyandi, Nepal	0.236	0.016	0.068	1.20	7150	3.0
King Range, CA	0.272	0.019	0.070	1.18	1113	0.5
Average	0.281	0.021	0.074	1.21		
R <sup>2</sup> vs. relief**	0.05	0.04	0.03	0.03		
R <sup>2</sup> vs. denudation rate**	0.01	0.11	0.12	0.27		
Overall average	0.278	0.021	0.076	1.25		

 $\rho$ : ridge density, or total length of ridges divided by area.

 $\gamma$ : junction density, or total number of divide junctions divided by map area.  $\chi$ : divide connectivity, number of divide junctions per unit length of ridges.

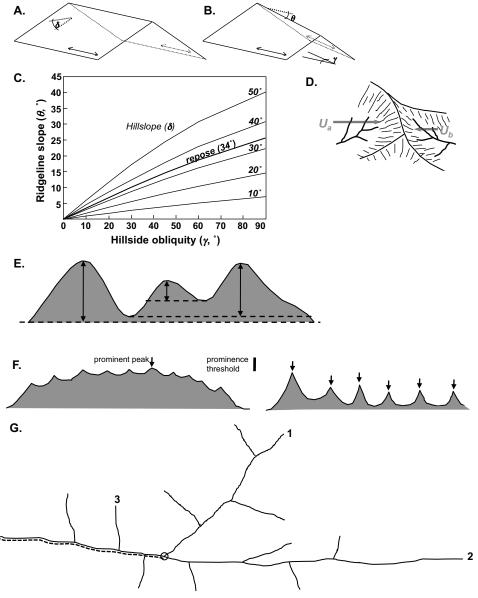
Sin: sinuosity, irregular ridge length divided by linear ridge length.

Denud.: long-term denudation rate, mm/yr (see Table DR-2).

\*Note anomalously poor divide connectivity for these four outliers; see text. \*\*Correlation coefficients based on basic regressions between  $\rho$ ,  $\gamma$ ,  $\chi$ , and sinuosity vs. relief and denudation rate. Plots not shown (no strong correlations).

## Figure DR-1

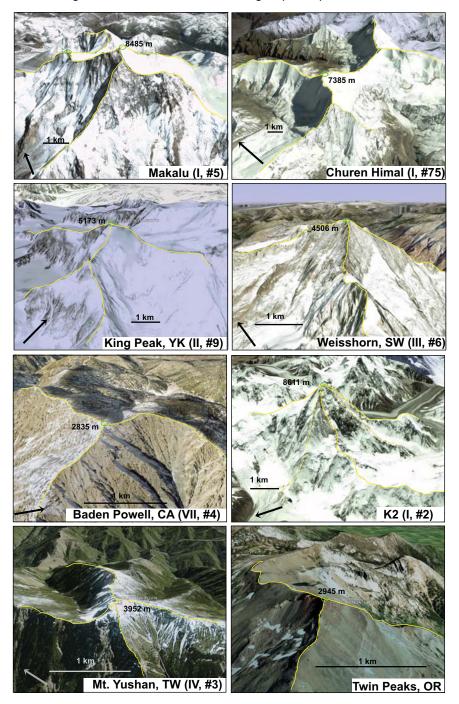
The geometry of peaks. A) Hillslopes with parallel trends, even at the angle of repose (hillslope angle =  $\delta$ ), will create a horizontal ridgeline. B) Obligue hillslopes (obliguity angle =  $\gamma$ ) will generate an inclined ridgeline (ridgeline angle =  $\theta$ ). In this example, hillsides at the angle of repose ( $\delta$ =34°) that intersect by 24° ( $\gamma$ ) will generate a ridgeline slope ( $\theta$ ) of 8°. C) Plot of increasing ridgeline slope with increasing obliguity between hillsides, for select hillslope gradients. D) Conceptual diagram illustrating how the competition of abutting basins, represented by the relative horizontal velocity of the headwall or channel head ( $U_a$  vs.  $U_b$ ), should shape the intervening ridgeline. In this case,  $U_a > U_b$  requires that the ridge migrate from left to right, although it is easy to envision a spectrum of possible scenarios. E) Illustration of peak "prominence". Prominence is defined as the relative height of a peak above the lowest contour that underlies it and no taller peak. The three peaks shown have prominence defined by the arrows. Note that although the middle peak may be very high, its prominence is simply the relative height of the peak above the saddle to its right. F) Two example ridgeline profiles with different scales of peak prominence. The parabolic ridge on the left has many peaks of small prominence, but only one peak that exceeds the prominence threshold indicated by the bar. The ridge on the right has lower mean elevation, but a higher number of prominent peaks, because of the low saddles. G) Illustration of measurement of third-shortest contributing divide. For the divide-junction circled, the path shown by dashed line would be measured as the third shortest divide. It is shorter than divides #1 and #2, but follows the primary divide leaving the junction as opposed to following a shorter secondary divide (e.g. #3) down to base level.



Spotila, 2012; DR, page 14

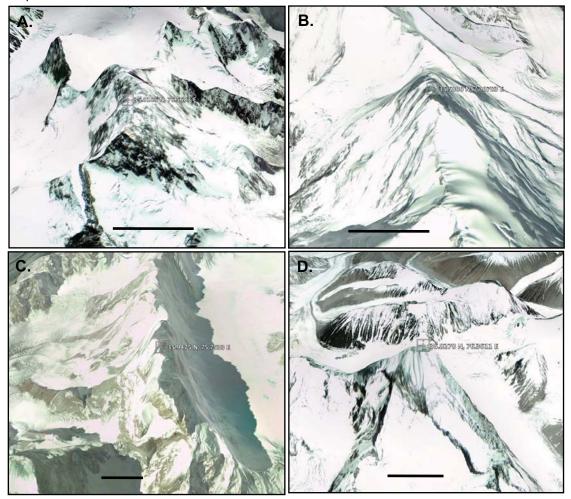
## Figure DR-2

Additional example images of prominent pyramidal peaks that occur at the junction of major ridges. The first five are from glacial settings, whereas Baden Powell, Yushan, and Twin Peaks are fluvial. Scales and aspects of each image are variable, as noted. Images were captured from GoogleEarth. Numbers refer to the group and peak number in Table DR-I.

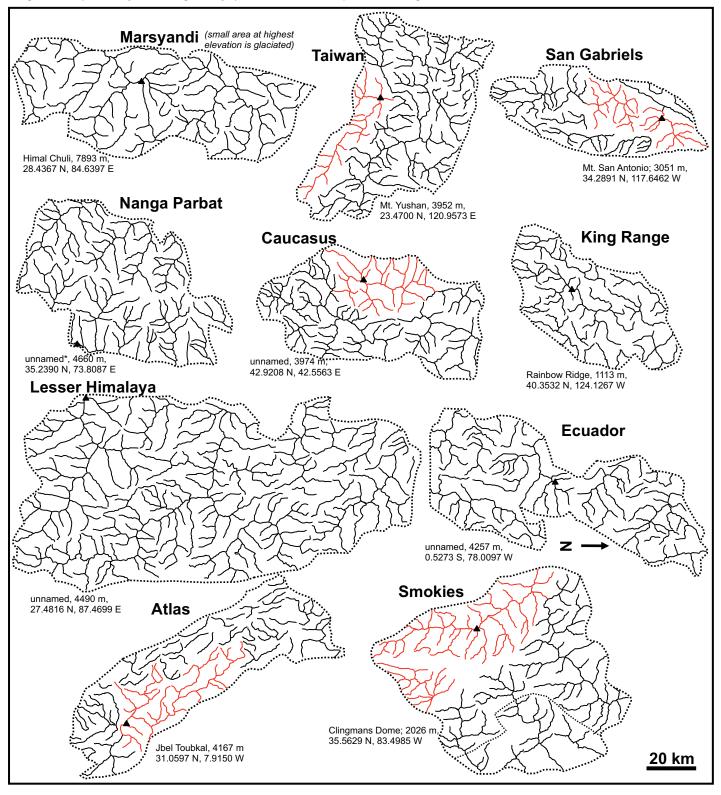


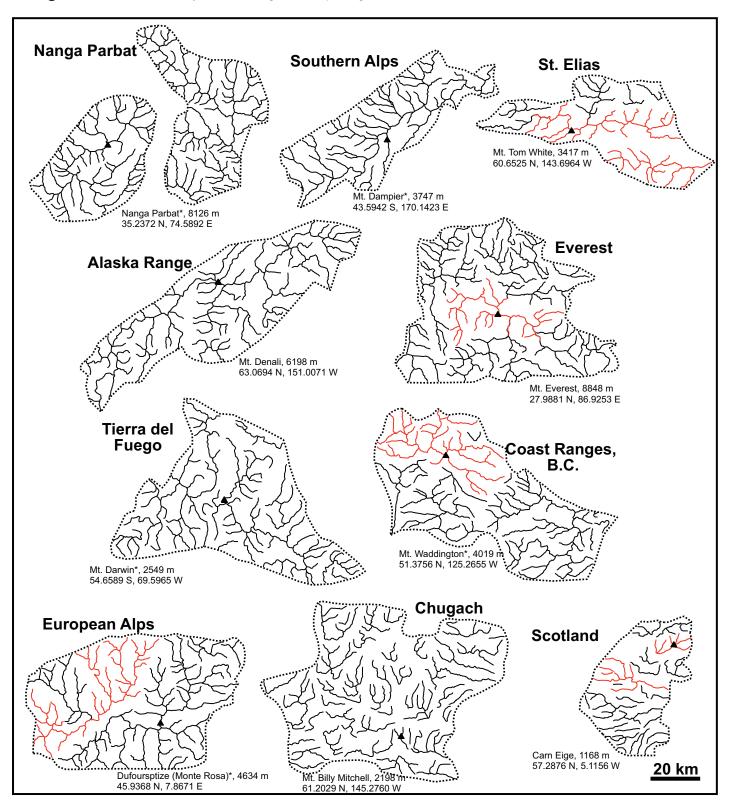
## Figure DR-3

Examples of pominent peaks identified in the global survey (numbers provided refering to Table DR-1) that would not classify as divide-juncton. These are characteristic examples of ridge-only peaks. In some cases, it may appear that a third contributing ridge exists, but on close examination these divides do not come within 0.2 km of the peak itself. All examples are from the Himalaya: A) Broad Peak (Group I, #12), B) Teram Kangri (Group I, #59), C) Baintha Brakk (Group 1, #90), D) Muztagh Tower (Group I, #94) (see Table DR-1). Scale bar represents 1 km in all cases.

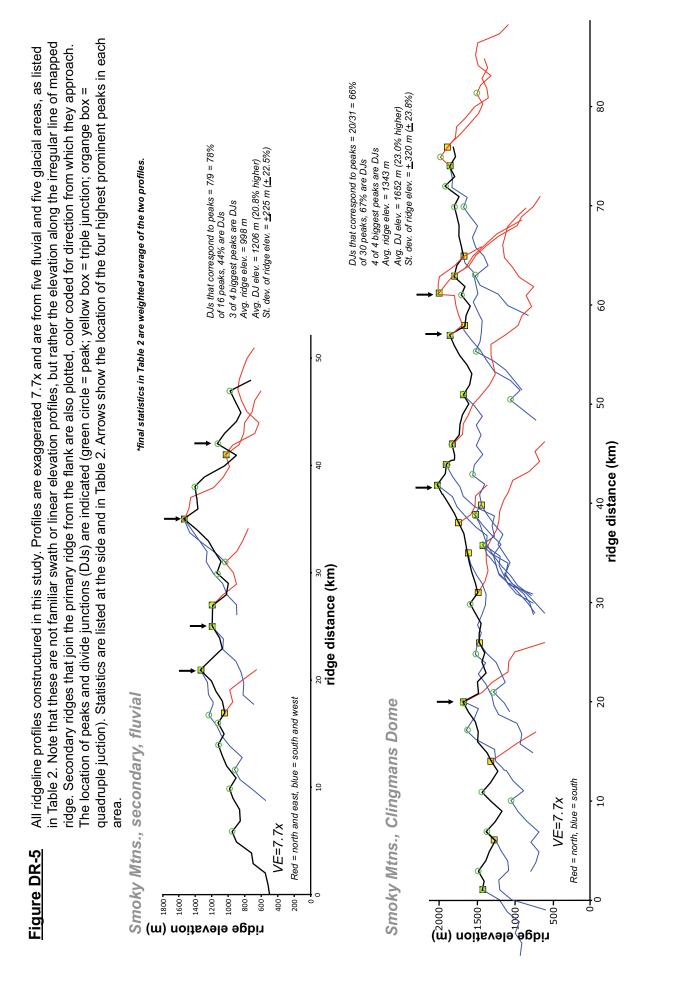


**Figure DR-4a** Summary of all 10 ridgeline maps in fluvial locations. Locations are indicated by coordinates of highest peak in each area (triangle). An asterisk indicates that the peak is not a divide-junction peak at the scale of these maps; that is, it does not co-locate with a third-shortest contributing divide that is >5 km long (note that this differes from the criteria used in Table 1, DR-1). North is vertical on all maps except Ecuador. The dashed lines enclosing the mapped areas are in some cases the boundary of a small ranges, but in others is arbitrary sampling of a larger area (normally following valleys). Red divides are profiles in Figure DR-5.

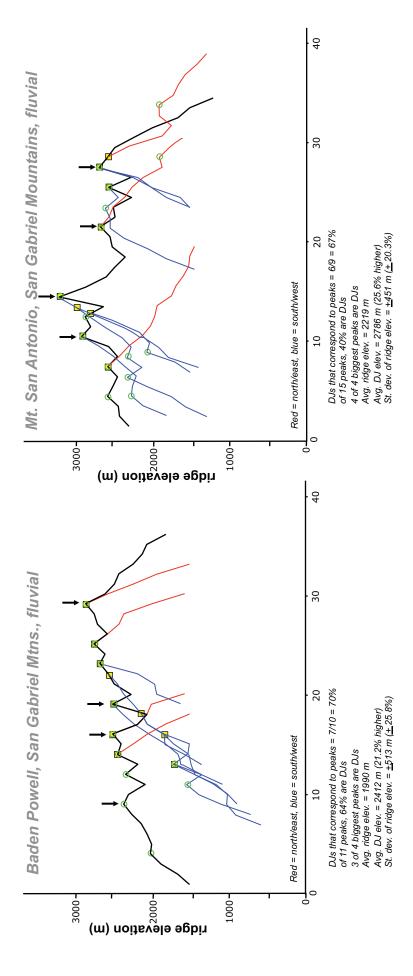


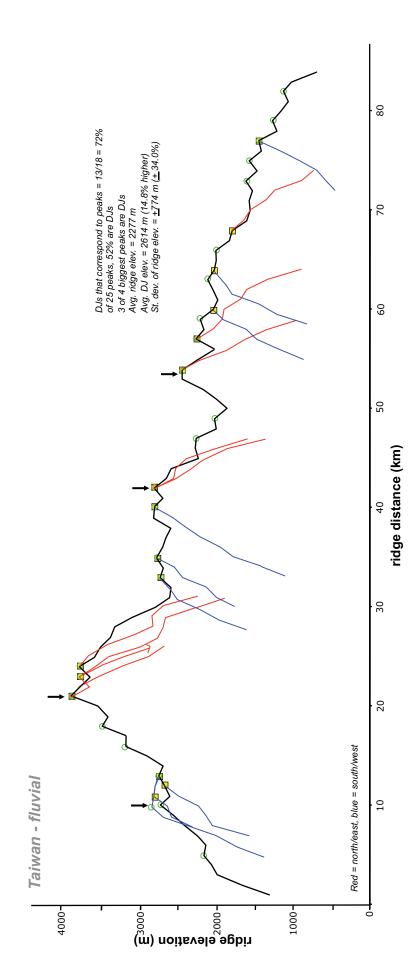


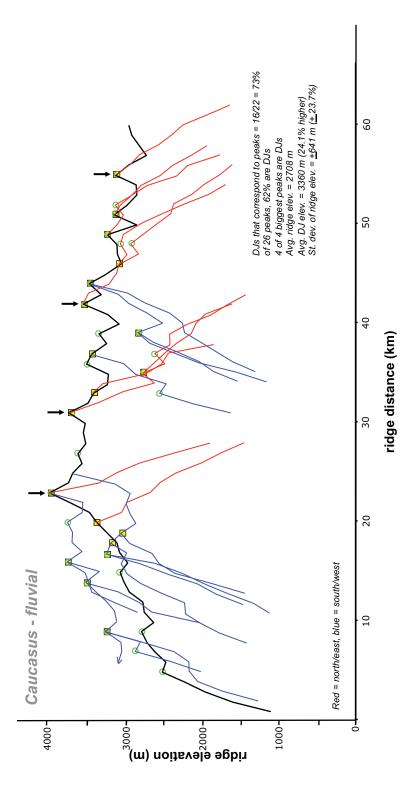
**Figure DR-4b** Summary of all 10 ridgeline maps in glacial locations.



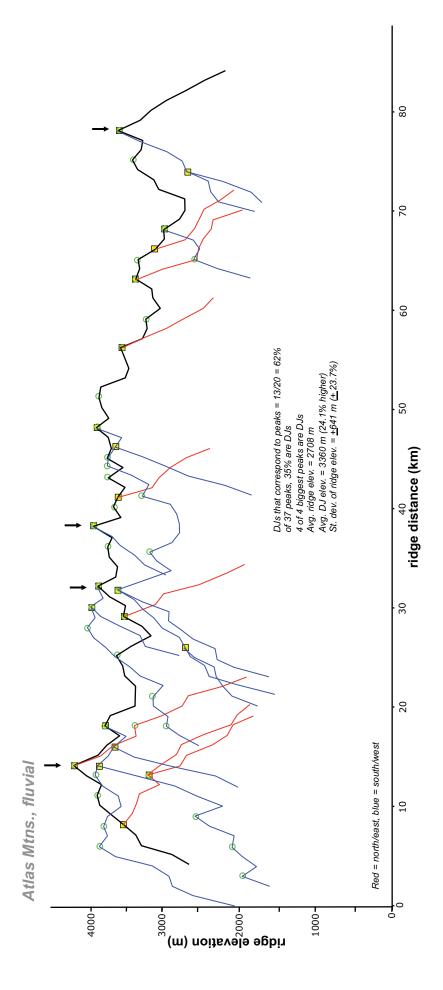


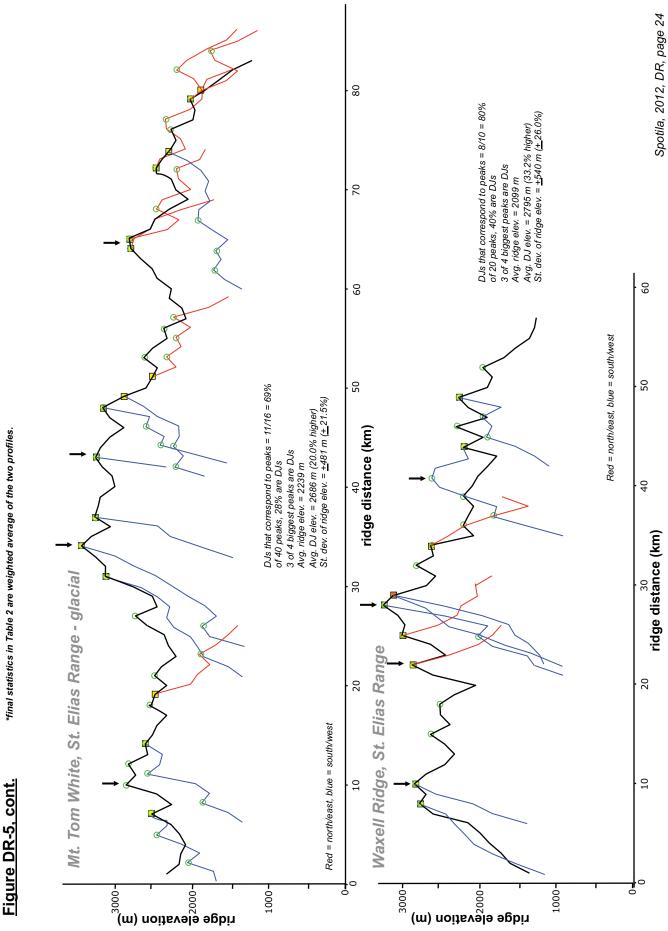




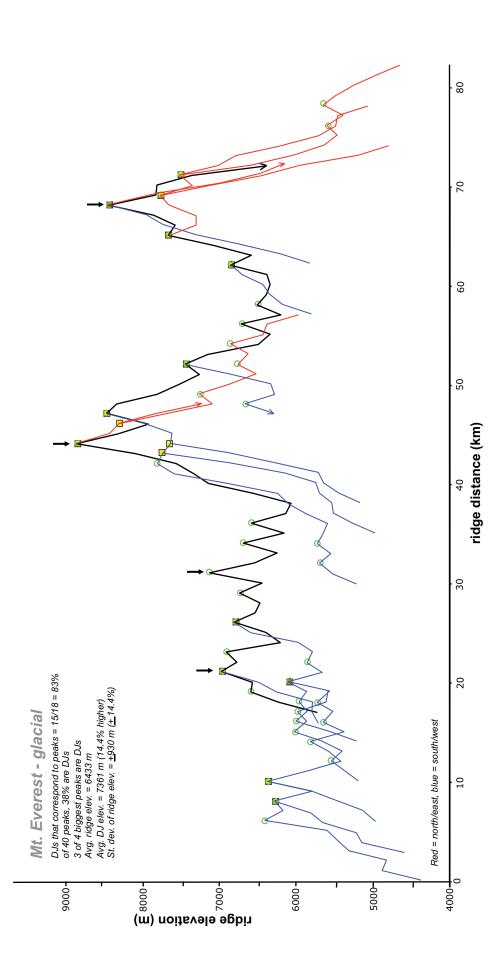


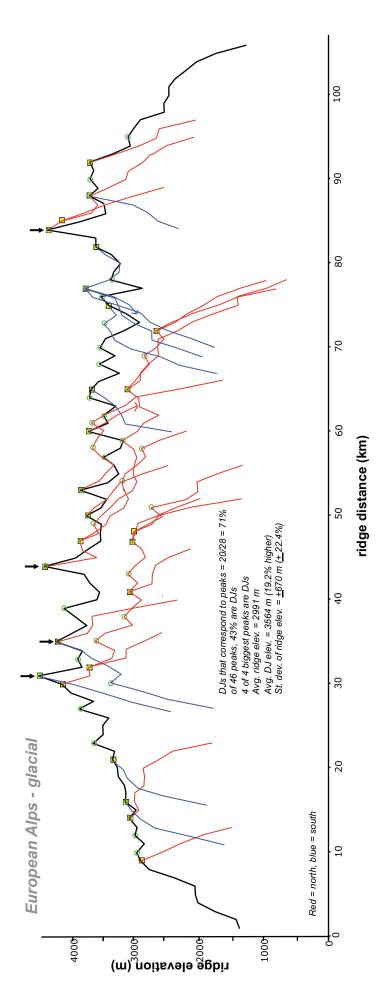






\*final statistics in Table 2 are weighted average of the two profiles.





\*plotted at a slightly smaller scale than the other 9 profiles, to fit onto one page

